

Medical Quality Product Report - COVID-19 issues

Issue 14. Data from October, November & December 2021

Part A: COVID-19 vaccines

Part B: Other COVID-19 related medical products:

- Diagnostics
- Personal Protective Equipment
- Sanitisers & disinfectants
- Medicines



The document has been produced by the Medicine Quality Research Group,
Centre of Tropical Medicine & Global Health, Nuffield Department of Medicine,
University of Oxford

This report was prepared by Inthaphavanh Kitignavong, Kerlijn Van Assche, Céline Caillet and Paul Newton of the Medicine Quality Research Group, that is part of the Infectious Diseases Data Observatory (IDDO) and the MORU Tropical Health Network, Centre for Tropical Medicine & Global Health, Nuffield Department of Medicine, University of Oxford, UK.

The [Medicine Quality Monitoring Globe system](#) was developed by Clark Freifeld (HealthMap, Boston Children's Hospital, North Eastern University) and Andrew Payne (IDDO), Alberto Olliaro (IDDO) and Gareth Blower (ex-IDDO). Curation of the reports was done by Kitignavong Inthaphavanh and Konnie Bellingham, linked to the Lao-Oxford-Mahosot Hospital-Wellcome Trust Research Unit (LOMWRU), Microbiology Laboratory, Mahosot Hospital, Vientiane, Lao PDR and by Thi Ngan Do, Jingying Xu and Ana Rosado Olmo (members of the Medicine Quality Research Group).

This document is open access but we would be grateful if you could cite it as:

Medicine Quality Research Group, University of Oxford. Medical Product Quality Report – COVID-19 Issues. Issue 14, October, November & December 2021.

This report and the underlying work are kindly supported by the Bill&Melinda Gates Foundation, the University of Oxford and the Wellcome Trust.

Any remarks or additions to content are greatly appreciated (please write to medicinequality@iddo.org).

April 22th, 2022

Table of Contents

Summary of findings	4
Introduction	5
1. Key terminology	6
2. Methodology for reporting on the lay literature	8
2.1. MQM Globe database.....	8
2.2. Six MQM Globe-reports	8
2.3. Inclusion of a report ID.....	8
2.4. Defining articles and incidents	9
2.5. Reporting on incidents from the lay press.....	10
2.6. Changes in methodology since the first report.....	10
3. Disclaimer and caveats	11
Part A. COVID-19 vaccines	12
A.1. Introduction	12
A.2. Articles of incidents in the lay literature	12
A.2.1. Incidents since the beginning of the pandemic.....	12
A.2.2. Incidents published in October, November and December 2021.....	28
A.3. Reports from scientific literature.....	29
A.4. Reports from international organisations.....	30
A.5. Miscellaneous	30
Part B. Other medical products linked to COVID-19	31
B.1. Articles of incidents in the lay literature	31
B.1.1. Overview of all categories	31
B.1.2. COVID-19 diagnostics	34
B.1.3. Personal Protective Equipment	35
B.1.4. Sanitisers & disinfectants	36
B.1.5. COVID-19 medicines	38
B.2. Reports from scientific literature.....	41
B.2.1. General.....	41
B.2.2. Seizures/Surveys/Case reports/Reviews.....	43
B.2.3. Additional publications from prior to October 2021	44
B.3. Reports from international organisations.....	45
Annexes 46	
Annex A. Methodology changes for searches in the lay literature.	46
Annex B. Table - Articles in lay literature on COVID-19 vaccine quality incidents published in 2020.....	48
Annex C. Report ID information and source articles	50
Annex C.1. Vaccines	
Annex C.2. COVID-19 diagnostics	
Annex C.3. Personal Protective Equipment	
Annex C.4 Sanitisers & disinfectants	
Annex C.5 COVID-19 medicines	

Summary of findings

Since the beginning of the pandemic we have identified 959 relevant articles on quality problems with COVID-19 medical products in the English language lay press. In this issue we report on 58 further incidents reported during the months of October (21), November (17), and December (15) 2021. All concern incidents with products that were reported as substandard, falsified, diverted, unregistered or of unclear quality that were included in the Medicine Quality Monitoring (MQM) Globe.

Part A of the report covers incidents with COVID-19 vaccines. Between 12th March 2020 and 31st December 2021, we found, excluding duplicates, 178 reports of incidents on quality issues with COVID-19 vaccines linked to 45 different countries and/or online. In October, November and

December 2021, only 6 new incidents were reported. We report for the first time on incidents in Papua New Guinea where the provincial health authority halted COVID-19 vaccines for use due to vial heat exposure while transporting and contamination upon arrival. In November, WHO issued two alerts that refer to falsified COVID-19 vaccines identified in the Islamic Republic of Iran, wrongly labelled as made by Pfizer/BioNTech and Oxford-AstraZeneca.

Part B of the report covers incidents with other COVID-19 medical products including diagnostics, Personal Protective Equipment, sanitisers & disinfectants, and medicines. Previously we have seen that alerts appear in waves by product category. However, for the months of October, November and December 2021 none of the product categories stands out as of high frequency. Since June 2021 the overall number of incidents linked to poor quality COVID-19 medical products included in the MQM Globe decreased considerably. We could not identify articles on quality issues with ventilation & oxygenation equipment and consumables. However, quality issues with masks and sanitisers continue to be reported, as do ad hoc reports of falsified or unregistered ivermectin, even though its use in COVID-19 is not proven. Both in the USA and in India there were reported issues with substandard remdesivir.

We remain concerned about the global risk of substandard or falsified COVID-19 medical products. We need to be aware of potential new virus variants and a potential resurgence in COVID-19 cases. Criminals will be quick to step in when the need for certain COVID-19 medical products rises again. Therefore, we continue to share data from the MQM Globe, that serves as warning system for potential SF quality issues.

Introduction

During the COVID-19 pandemic, the demand for COVID-19 related medical supplies has inevitably ballooned with an increased need for personal protective equipment (PPE), diagnostics and preventive & curative pharmaceuticals. The high demand and related shortages of genuine products contributes to an increased global risk of diverted, substandard and falsified (SF) medical products, for COVID-19 and for many other essential medicines. The media have been reporting diverse examples of SF products flooding the market.

This report aims to collate information and reports in the public domain on the quality of medical products that are currently in use, or that are being trialled for COVID-19's prevention or treatment. We also include reports on key subjects such as access, affordability or off label use for COVID-19 if they mention concern of the quality of the products. We do not aim to include discussion of the multiple fraudulent claims and quackery.

The current report consists of two parts. Part A contains the information related to COVID-19 vaccines. Part B contains information related to the other COVID-19 medical product categories including diagnostics, personal protective equipment (PPE), sanitisers & disinfectants, medicines, and ventilation & oxygenation equipment and consumables. The report aims to aid national medicine regulators, international organizations, manufacturers and distributors, and civil society by summarising the current public domain literature, to inform action and policy.

The reports presented here were mostly extracted from the Medicines Quality Monitoring Globe ([the MQM Globe is accessible on the IDDO website](#)¹), a system that scrapes online newspapers (referenced in Google News) for early warnings of SF medical products. This report also includes scientific literature and policy documents related to COVID-19 medical product quality identified by manual searches in PubMed (Central) and Google Scholar. In addition, alerts and reports by national and international organisations are included when captured by the members of the team or shared by colleagues.

This fourteenth issue of the 'Medical Product Quality Report – COVID-19 Issues' covers information published during the months of October, November and December 2021. Previous issues covered publications from January 1st 2020 onwards and are available on the IDDO² and MORU³ websites.

Any remarks or additions to content are greatly appreciated (please write to medicinequality@iddo.org).

¹Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe. Web Page. Published 2020. Accessed Apr 08, 2022. <https://www.iddo.org/medicine-quality-monitoring-globe>

²Infectious Diseases Data Observatory. Medical Product Quality Reports. Medical Product Quality Reports. Published 2020. Accessed Apr 08, 2022. <https://www.iddo.org/mq/research/medical-product-quality-reports>

³MORU Tropical Health Network. Medical Product Quality Report - Covid-19 issues. Medicine Quality. Published 2020. Accessed Apr 08, 2022. <https://www.tropmedres.ac/research-areas/medicine-quality/covid-19-pandemic>

1. Key terminology

In this report we refer to the terminology for different types of poor quality medical products as defined by the World Health Organisation (WHO 2017, Seventieth World Health Assembly, Appendix 3)⁴. When coming across quality issues in the lay press we first try to categorise the products as ‘falsified’, ‘substandard’ and ‘unregistered/unlicensed’. However, when dealing with lay press articles, it is sometimes hard to judge and difficult to classify the quality issues for products discussed in the different articles, very often because not enough detail is known or described in the report. Therefore, when not clearly belonging to one of the above groups, we further use the concepts of ‘substandard or falsified’ (SorF), ‘diverted’, or ‘unclear’. Please see Table 1 for our working definitions.

We emphasise the difference between the use of the terms ‘falsified’ and ‘counterfeit’ medical products. ‘Falsified’ is a broad term including all the various types of deliberate misrepresentation of a medical product from a public health perspective. The term ‘counterfeit’ is specifically linked to intellectual property rights, ‘trademark counterfeit goods’⁵ and ‘pirated copyright goods’⁶ as used in the Trade-Related Aspects of Intellectual Property Rights (TRIPS) agreement.

When the concept of ‘black market’ is used in lay press articles, we notice that the use depends on the personal interpretation of the author: it might refer to products that are illegal in themselves, it might be people trying to avoid taxes, or avoiding government price controls. The products involved can be good quality, substandard, falsified, or of unknown quality. We nevertheless report on them. We argue that products sold on the black market are a problem for the following reasons. Firstly, they are taken from people that are supposed to receive the product. Secondly, products on the black market, such as vaccines and medicines, risk degradation due to improper handling and storage. Currently, articles do not provide evidence on degradation of products on the black market since it is not something that is investigated at the moment. In this report, we will classify black market sales as products for which the quality is ‘unclear’ when it is not specified in the article or report as falsified, substandard, or a genuine product.

⁴Source: World Health Organisation. Appendix 3 WHO MEMBER STATE MECHANISM ON SUBSTANDARD/SPURIOUS/FALSELY-LABELLED/FALSIFIED/COUNTERFEIT (SSFFC) MEDICAL PRODUCTS WORKING DEFINITIONS. In: Seventieth World Health Assembly; 2017. Document no longer available online. Definitions available on the WHO website: World Health Organisation. Substandard and falsified medical products. Published January 31, 2018. Accessed April 19, 2022. <https://www.who.int/news-room/fact-sheets/detail/substandard-and-falsified-medical-products>

⁵*Trademark counterfeit goods*: any goods, including packaging, bearing without authorization a trademark which is identical to the trademark validly registered in respect of such goods, or which cannot be distinguished in its essential aspects from such a trademark, and which thereby infringes the rights of the owner of the trademark in question under the law of the country of importation.

Source: World Trade Organization. Part III — Enforcement of Intellectual Property Rights. Accessed April 08, 2022. https://www.wto.org/english/docs_e/legal_e/27-trips_05_e.htm#fnt-14

⁶*Pirated copyright goods*: any goods that are copies made without the consent of the right holder or person duly authorized by the right holder in the country of production, and which are made directly or indirectly from an article where the making of that copy would have constituted an infringement of a copyright or a related right under the law of the country of importation.

Source: World Trade Organization. Part III — Enforcement of Intellectual Property Rights. Accessed April 08, 2022. https://www.wto.org/english/docs_e/legal_e/27-trips_05_e.htm#fnt-14

Table 1. Key terminology for quality issues used in this Medical Product Quality Report

Falsified	<p>‘Falsified’ refers to products that ‘deliberately/fraudulently misrepresent their identity, composition or source’ (WHO, 2017). In this report, ‘fake’, ‘counterfeit’, ‘spurious’ and ‘falsely labelled’ medicines are regarded as synonyms or part of the group of falsified products.</p>
Substandard	<p>‘Substandard’ also called ‘out of specification’, are authorised medical products that ‘fail to meet either their quality standards or their specifications, or both’ (WHO, 2017). This may result from negligence or errors during the manufacturing process by authorised manufacturers, or degradation through deterioration because of inappropriate storage/transport in the supply chain. Information is usually insufficient to distinguish errors within factories from those in the supply chain, a key evidence gap as the solutions for the two differ.</p>
Unregistered or Unlicensed	<p>‘Unregistered/unlicensed’ medical products have not undergone evaluation and/or approval by the national or regional regulatory authority for the market in which they are marketed/distributed or used, subject to permitted conditions under national or regional regulation and legislation (WHO, 2017).</p>
When the above concepts are not applicable	
Substandard or Falsified	<p>‘Substandard or Falsified’ (SorF) was suggested by Saraswati et al. 2019⁷ because it is not possible to reliably classify a medicine as substandard or falsified without packaging analysis. It is used for products that failed at least one quality test without information on packaging authenticity, and falling outside the acceptance range of the specifications chosen as reference by the authors (either specific pharmacopoeia monograph or in-house specifications). In lay press articles the concepts of substandard and falsified products might be wrongly used, as a cautionary approach SorF is used when the information is not sufficient to make the distinction.</p>
Diverted	<p>‘Diverted’ medical products in this report are viewed as legitimate products that have been diverted outside the controlled supply chain. Theft is only one example of diversion. Due to loss of custody, diverted products are generally considered as poor quality medical products as, aside from harming the intended recipients, the products risk degradation due to inappropriate storage and transport.</p>
Unclear	<p>‘Unclear’ quality of medical products is a concept used in this report when there is insufficient information available to judge in which of the previously described category the product falls. These medical products can be good quality, substandard or falsified or of unknown quality. For example some reports discuss about suspicious online offers on the surface or dark web. Often the quality of the products is not known and from the article it is not clear if the product is for example diverted or counterfeit, though the origin and criminal intent of these products slightly differ.</p>

⁷ Saraswati K, Sichanh C, Newton PN, Caillet C. Quality of medical products for diabetes management: a systematic review. *BMJ Glob Heal.* 2019;4(5):1-14. doi:10.1136/BMJGH-2019-001636

2. Methodology for reporting on the lay literature

The reports presented in the sections on 'Articles of incidents in the lay literature' were extracted from the 'Medicine Quality Monitoring Globe'⁸ ([MQM Globe](#)). The MQM Globe contains publicly available information on the quality of medical products from non-peer-reviewed lay literature and serves as early warning system. Any article describing recalls, seizures, degradation, adulteration or contamination of COVID-19 medical products, cases of patients suffering adverse effects/lack of efficacy after using a COVID-19 medical product suspected to be substandard and falsified (SF) will be included. For the category of COVID-19 vaccines we also include scams and diversions (including theft).

2.1. MQM Globe database

The MQM Globe database uses a search system to capture data from online news sources. Articles matching the search terms are loaded into a database and curated by trained analysts. Because the Globe system mainly extracts newspaper articles from journals referenced in Google News, articles that are not referenced in Google News will not be captured. [Please consult the IDDO website for full methodology](#)⁹. On the 20th of March 2020, the search terms were adapted to capture more reports on SF medical supplies for COVID-19 from Google News. In addition, the Globe system captures some of the United States Food and Drug Administration (US FDA) medical product alerts. In the future, we will extend this feature for the US FDA and to other regulatory authorities.

2.2. Six MQM Globe-reports

Since the COVID-19 pandemic, the MQM Globe enables quick access to automatically created MQM-Globe reports, grouping articles by product categories that are linked to COVID-19. The six summary MQM Globe-reports are generated with pre-defined search terms and cover the following product categories: (a) COVID vaccines, (b) COVID diagnostics, (c) Personal Protective Equipment (PPE), (d) Sanitisers & disinfectants, (e) COVID medicines, and (f) Ventilation & oxygenation equipment and consumables. At the beginning of each MQM Globe-report the pre-defined search terms are displayed. Only the relevant articles included in the summary MQM Globe-reports are selected for the current COVID-19 report. When discussing an article the report ID (six or seven digit code) is mentioned. The original source article can be found using the report ID in the summary MQM Globe-reports in this report's annexes, or on the online MQM Globe.

2.3. Inclusion of a report ID

In this report we share details of articles captured by the MQM Globe that are linked to medical products potentially used in the context of COVID-19 or that are being trialled for COVID-19 treatment and/or prevention. In theory there is a distinction

⁸Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe. Web Page. Published 2020. Accessed April 08, 2022. <https://www.iddo.org/medicine-quality-monitoring-globe>

⁹Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe methodology. Web Page. Published 2020. Accessed April 08, 2022. <https://www.iddo.org/medicine-quality-monitoring-globe-methodology>

between (a) SF incidents that are due to or increased by the COVID-19 epidemic; and (b) incidents that would have happened in any case. It can be difficult to make the distinction between the two types of incidents and some articles cited in this report are not directly linked to the prevention or treatment of COVID-19. Nevertheless we have included them as they represent crossover risks and help to assess the evolution of the alerts on these medical products over time.

Although oxycodone is being trialled for COVID-19 treatment¹⁰, we do not include issues related to oxycodone as the system would become swamped by reports on its inappropriate use and cases of pills laced with fentanyl due to their wide occurrence on the black market.

With the information provided in the articles, it is not always possible to make the distinction between cases of financial scams, diverted, substandard or falsified products. We aim at including incidents in which it is likely that a physical product is involved. When the article clearly states that the offers are pure financial scams (without a physical purported product), we do not include the article: for example, criminals offering COVID-19 vaccines through a fake website¹¹ or COVID-19 vaccines sold over the phone¹² for which it is clearly established that it concerns a scam in which criminals are after personal details and money. In case of doubt and the possibility of a physical product behind the offer, we include the article: for example, vaccines are offered online or by phone but we cannot exclude that there is a physical product behind the offer because it is not mentioned in the article or no investigation has been done.

For this report, we only included report IDs that were published in English. For articles in French, Spanish, Mandarin, and Vietnamese; please consult the online MQM Globe. Only in Part A, dedicated to COVID-19 vaccines, do we include incidents reported in other languages if the incident was not reported in English.

2.4. Defining articles and incidents

In this report we define ‘articles’ as the number of unique report ID’s, corresponding to unique articles, that appear on our database. The same article (same report ID) can discuss incidents of different product categories. Therefore the same article might be discussed in different sections of the report.

An incident is a unique event with a specific location and timing with a specific product involved. Sometimes one article is describing several incidents. When summarizing the article, we will cite the different incidents in the text. However, for the overall number of incidents happened during a certain period, we are not

¹⁰ Hashemian SRM. Evaluation the effects of Oxycodone administration on pain control in patients with COVID-19. Iranian Registry of Clinical Trials. Published June 8, 2020. Accessed April 08, 2022. <https://en.irct.ir/trial/48534>

¹¹ For example: CBS Baltimore. 3 Maryland Men Charged With Creating Fraudulent Website To Sell COVID-19 Vaccines. CBS Baltimore. <https://baltimore.cbslocal.com/2021/02/11/3-maryland-men-face-federal-charges-for-fraud-scheme-to-sell-covid-19-vaccine/>. Published February 11, 2021. Accessed April 08, 2022.

¹² For example: Lenahan I. COVID-19 vaccine phone scam: Rye police alert residents of bogus calls. Seacoastonline. <https://eu.seacoastonline.com/story/news/local/2021/02/15/covid-19-vaccine-phone-scam-rye-police-alert-residents-bogus-calls/4488304001/>. Published February 15, 2021. Accessed April 08, 2022.

counting the number of separate incidents that are described in an article. For the purpose of this report we define 'incidents' as the number of unique report IDs per product category (i.e. vaccines, diagnostics, PPE, sanitisers & disinfectants, medicines, ventilation & oxygenation).

2.5. Reporting on incidents from the lay press.

The current report consists of two parts. Part A contains the information related to COVID-19 vaccines. Part B contains information related to the other COVID-19 medical product categories including diagnostics, personal protective equipment (PPE), sanitisers & disinfectants, medicines, and ventilation & oxygenation equipment and consumables. In Part B the lay press literature is discussed by product category. However, some articles summarize or describe multiple product categories used during the COVID-19 pandemic. When an article discusses more than 2 product categories, we describe the content of those articles in the section on 'Overview of all categories' and do not report on them in the sections for the different product categories.

Within the section of each product category we try to group the information in subheadings by product (e.g. by active pharmaceutical ingredient) that is involved and by quality issue (see Table 1 with key terminology for quality issues). Some articles discuss several products or several types of quality issues and are therefore not straight forward to classify; thus the subdivision might be arbitrary. We only discuss the articles once, even if they could be classified under different subheadings.

The MQM Globe displays one article per incident, the primary article. There are many other articles that describe the same incident, those are considered duplicate articles, and are not displayed on the MQM Globe unless they provide additional relevant information on the extend of the incident (e.g. additional quantities, additional batch numbers etc.). The information available in the lay press articles is often not very detailed which makes it sometimes difficult to separate out incidents on which we have (duplicate articles) or have not (primary articles) previously reported. To the best of our knowledge we try to only discuss primary articles, i.e. articles discussing new incidents on which we have not reported previously.

2.6. Changes in methodology since the first report

Please read more about the changes in methodology since the first report that was published in July 2020 in Annex A.

3. Disclaimer and caveats

We include abstracts and extracts from reports and articles that are subject to a takedown policy. If we are contacted by a potential rights-holder who objects to the presence of material, we will remove the material in question from the report and Globe until we have been able to assess the case. Where material is removed for valid reasons of copyright, its removal will be considered as lasting until copyright in the material expires, or until the rights-holder agrees that the material can be reinstated.

For the scientific publications we include preprints of articles. Please note that preprints should be viewed with additional caution as they have not been peer-reviewed. They should not be relied on to guide clinical practice or health-related behaviour and should not be reported in news media as established information.

For the lay press articles we report the information as it is stated in the articles and can thus be biased towards the authors perspective. It does not necessarily reflect our vision or judgment on the issue. Also, this information usually will not have scientific confirmation. Therefore, the information needs to be interpreted with the greatest caution. We regard the reports as early warnings of potential problems. No or few articles from a region does not imply that the medical product quality there is good, but probably reflects a lack of accessible information. Full disclaimer and caveats can be found at [MQM Globe disclaimer and caveats](#)¹³.

¹³ Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe disclaimer and caveats. Web Page. Published 2020. Accessed April 08, 2022. <https://www.iddo.org/medicine-quality-monitoring-globe-disclaimer-and-caveats>

Part A.

COVID-19 vaccines

A.1. Introduction

It is hoped that the deployment of COVID-19 vaccines, combined with other public health interventions, will further reduce the incidence of COVID-19 infections and help end the pandemic. The storage and distribution of these vaccines is a major logistical challenge. Additional but continued neglected issues are substandard, falsified, and diverted COVID-19 vaccines, a high risk globally.

There have been numerous reports over the last two decades of vaccine falsification, for example, rabies, cholera, meningitis, yellow fever and hepatitis B vaccines and degradation due to storage and transport at inappropriate temperatures. These risk impairing the effectiveness of vaccination programs, increasing mortality, morbidity and economic harm, engendering further viral mutants, confuse and alarm communities, and damage public confidence in immunization programs, reducing vaccine uptake. Current risks for the implementation of COVID-19 vaccines include falsification and diversion fuelled by impaired access and the vital need for them globally, especially in the face of inequitable distribution. Vaccine degradation (included in the term substandard by WHO¹⁴) is also a major risk without robust regulated supply chains.

The data in this and previous reports suggest that we need a global joined up discussion with the many stakeholders as to how we can reduce the risk of these neglected problems negating, especially in vulnerable communities, the promise that vaccine development, manufacture and implementation has yielded for us all.

A.2. Articles of incidents in the lay literature

Here, we summarise articles in the public domain, on substandard, falsified or unregistered COVID-19 vaccines, since the start of the pandemic. We also include reports of diversion (including theft) of COVID-19 vaccines from legitimate supply chains. It is highly likely that diverted vaccines will not be stored appropriately and their use is likely to result in people being unprotected when they think they are. The incidents highlighted in this report are not exhaustive but it serves as early warning system of quality issues with COVID-19 vaccines.

A.2.1. Incidents since the beginning of the pandemic

Between 12th March 2020 and 31st December 2021, we found, excluding duplicates, 178 reports of incidents on quality issues with COVID-19 vaccines linked to 45

¹⁴ World Health Organisation. Appendix 3 WHO member state mechanism on substandard/spurious/falsely-labelled/falsified/counterfeit (SSFFC) medical products working definitions. In: Seventieth World Health Assembly. 2017. Accessed April 8, 2021. https://www.who.int/medicines/regulation/ssffc/A70_23-en1.pdf?ua=1

different countries and/or online (see Figure 2). Out of these reports, 22 were published in 2020; 156 reports were published in 2021 (see Figure 1).

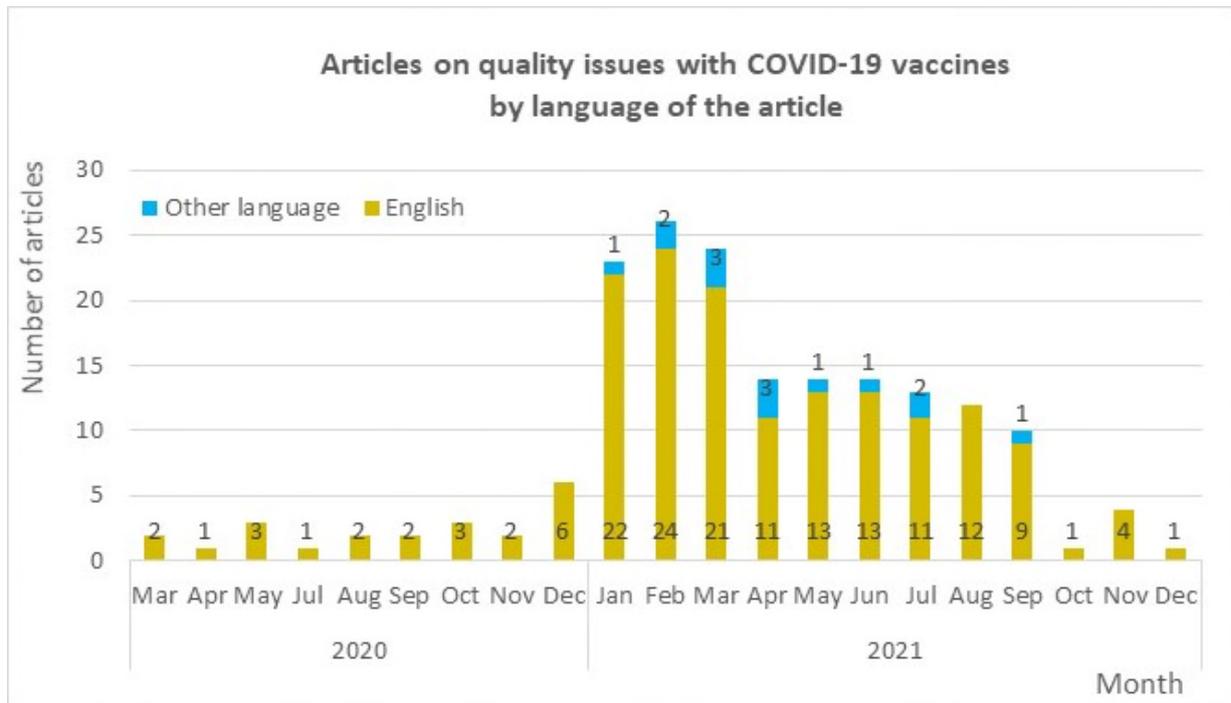


Figure 1. Number of articles on the Medicine Quality Monitoring Globe reporting quality issues with COVID-19 vaccines.

Reports date from 12 March 2020 until 31 December 2021. We count here only one article per incident– there are many other articles describing the same incidents. From 2021 onwards, we report not only on incidents covered in the English lay press but also in Chinese, French, Spanish and Vietnamese languages.

Table 2 gives more details on the 101 reports that were published from January up to May 2021 and were discussed in previous Medical Product Quality Reports on COVID-19 vaccines issued by the Medicine Quality Research Group. Table 3 gives more details on the reports that were published from June to December 2021. For further details on the incidents reported during 2020 please consult Annex B.

In this issue we discuss in more detail the 6 incidents that were reported during the months of October (1), November (4) and December (1) 2021 (see Table 3). Two incidents involved falsified COVID-19 vaccines wrongly labelled as manufactured by Pfizer/BioNTech and Oxford-AstraZeneca. One incident involved substandard vaccines and one incident involved unregistered vaccines. We report for the first time an incident in Papua New Guinea.

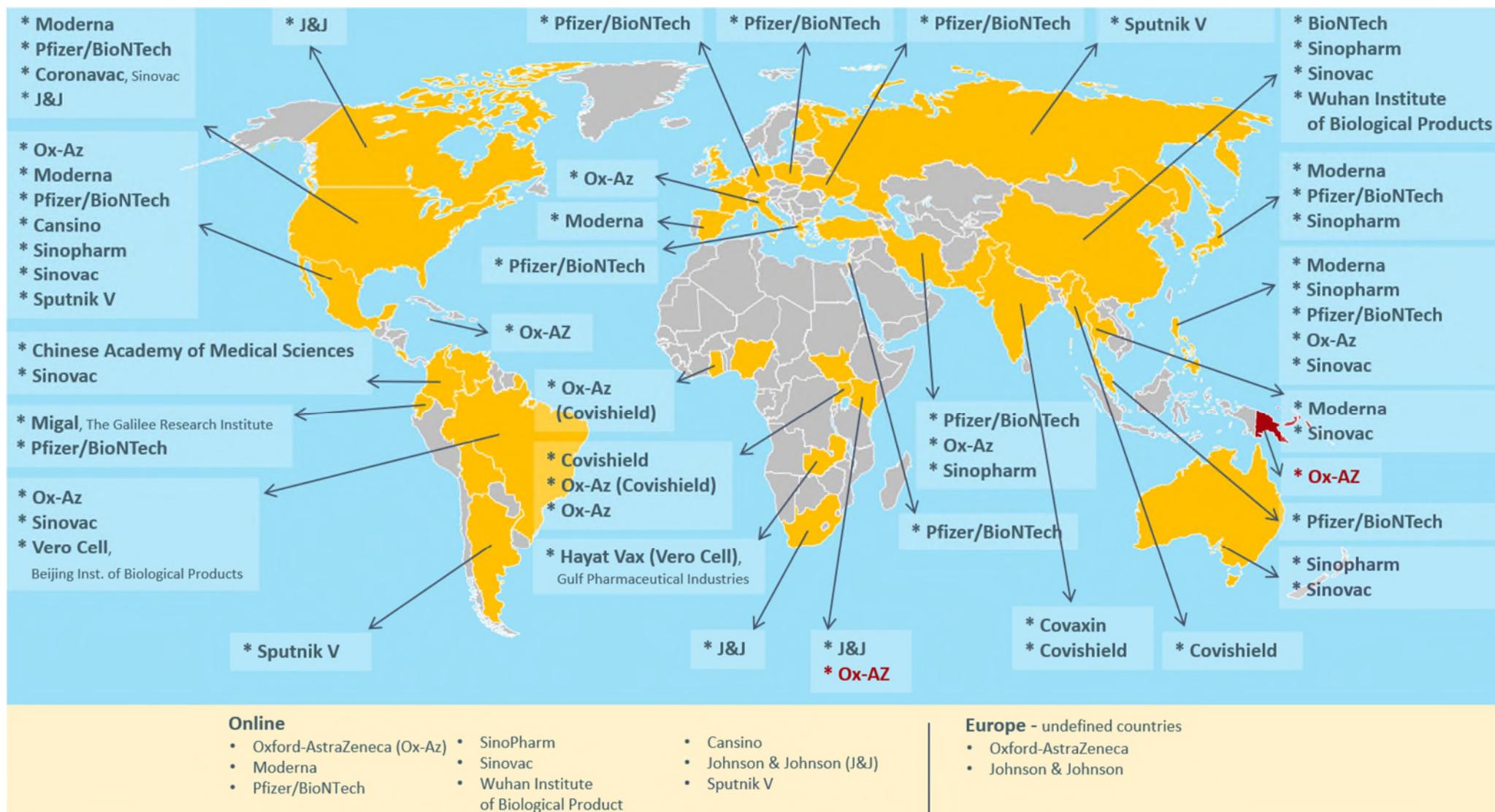


Figure 2 Countries with public reports on COVID-19 vaccine quality issues on the Medicine Quality Monitoring Globe. Countries linked to incidents are indicated in orange. If a public report mentions a product name or a company, these details are indicated on the map, with in red the information that was added since the last issue. Ox-Az: Oxford-AstraZeneca, and J&J: Johnson & Johnson.

Table 2. COVID-19 vaccine quality issues reported in articles published from January to May 2021.

Each article is available in the Medicine Quality Monitoring (MQM) Globe linked to a report ID. Reports date from 1 January 2021 until 31 May 2021. In the next reports we plan to retrospectively categorise prior reports in the same way as in Table 3 with reports from June up to September 2021. We included articles from the Spanish, French, Chinese and/or Vietnamese press if the incident was not reported in the English lay press. We list here only one report per incident – there are many other reports describing these issues but we have not included them unless they provide additional relevant information. In the table we only refer to primary incidents described in the report, if a report repeats information on incidents that we already reported on, we do not name it again.

January – May 2021						
Publication date	Location	Product/ Organization	Additional information	Title	MQM Globe report ID	URL ¹⁵
JANUARY						
05 January 2021	Online	* Wuhan Institute of Science * Moderna * Pfizer/BioNTech * Oxford-AstraZeneca	-	A COVID-19 shot for \$150? Online scams surge as slow vaccine rollout frustrates	877299	https://in.reuters.com/article/us-health-coronavirus-vaccine-scams/a-covid-19-shot-for-150-online-scams-surge-as-slow-vaccine-rollout-frustrates-idINKBN29A19Z
05 January 2021	Argentina	Sputnik V	degraded	Coronavirus: en Olavarria tuvieron que tirar 400 vacunas que perdieron la cadena de frio ('Due to a cold-chain breakdown 400 doses had to be thrown away')	877565	https://www.rosario3.com/informaciongeneral/Coronavirus-en-Olavarria-tuvieron-que-tirar-400-vacunas-que-perdieron-la-cadena-de-frio-20210105-0001.html
07 January 2021	UK	-	-	Elderly woman, 92, tricked into paying £160 to get fake Covid jab in her own home	881071	https://www.dailystar.co.uk/news/elderly-woman-92-tricked-paying-23282075
13 January 2021	Online, Australia	* Moderna * Pfizer/BioNTech	-	The dark net is being flooded with fraudulent COVID-19 vaccines	890850	https://www.crikey.com.au/2021/01/14/dark-web-covid-19-vaccine-black-market/
14 January 2021	Mexico, online	Pfizer/BioNTech	-	Organized crime in Mexico selling fake Covid-19 vaccines	892039	https://www.laprensalatina.com/organized-crime-in-mexico-selling-fake-covid-19-vaccines/ https://www.gob.mx/cms/uploads/attachment/file/604366/Comunicado_Vacuna_Covid_050121.pdf
14 January 2021	USA	Moderna	diverted	Two vials of Moderna COVID-19 vaccine stolen from Florida State Hospital in Chattahoochee	936933	https://eu.tallahassee.com/story/news/local/state/2021/01/14/two-vials-moderna-covid-19-vaccine-stolen-florida-state-hospital-chattahoochee/4156644001/

¹⁵ Over time some URLs might not work anymore, and in that case one can find a summary/extract of the article on the online MQM Globe using 'reportID:XXXXXX' in the search box.

15 January 2021	UK	-	-	Shameless fraudster tries to sell 61-year-old woman fake Covid-19 vaccine for £170 in Worksop area	893684	https://www.worksopguardian.co.uk/news/crime/shameless-fraudster-tries-sell-61-year-old-woman-fake-covid-19-vaccine-ps170-worksop-area-3102846
15 January 2021	Nigeria	-	-	Fake COVID-19 vaccines in circulation, NAFDAC warns	892876	https://www.vanguardngr.com/2021/01/updated-fake-covid-19-vaccines-in-circulation-nafdac-warns/
18 January 2021	Costa Rica	-	-	Fake Black market COVID-19 Vaccines in Costa Rica	922769	https://news.co.cr/fake-blackmarket-covid-19-vaccines-in-costa-rica/82725/
18 January 2021	USA	Moderna	uncertain aetiology	Coronavirus: California calls for pause, investigation after allergic reactions to Moderna vaccine batch	897789	https://www.mercurynews.com/2021/01/18/coronavirus-california-calls-for-pause-investigation-after-allergic-reactions-to-moderna-vaccine-batch
18 January 2021	Mexico	-	-	Liquid Gold - False COVID-19 Vaccines Emerge in Latin America	897295	https://www.insightcrime.org/news/analysis/false-covid-vaccines-emerge/
19 January 2021	Mexico	Pfizer/BioNTech	diverted	4 vaccine doses stolen in Mexico, oxygen tanks spark appeal	943497	https://kstp.com/news/4-vaccine-doses-stolen-in-mexico-oxygen-tanks-spark-appeal/5983681/
20 January 2021	USA	Moderna	degraded	Thousands of Moderna Covid vaccine doses spoil in Maine & Michigan due to temperature control issues	900582	https://www.rt.com/usa/513082-michigan-maine-moderna-vaccine-ruined/
21 January 2021	Online, USA	CoronaVac, (Sinovac)	-	Leading Indicators Foreshadow COVID-19 Vaccine Scams	902346	https://securityboulevard.com/2021/01/leading-indicators-foreshadow-covid-19-vaccine-scams/
21 January 2021	Online	-	-	Sale of Fake COVID-19 Vaccines Grew 400% on the Dark Web	902237	https://www.entrepreneur.com/article/363880
22 January 2021	USA	-	-	Seller of fake vaccine arrested in Seattle	904241	https://www.myclallamcounty.com/2021/01/22/seller-of-fake-vaccine-arrested-in-seattle/
22 January 2021	USA	Moderna	diverted	Texas doctor fired, charged with stealing COVID-19 vaccine to give to his friends, family	903988	https://www.foxnews.com/us/texas-doctor-charged-coronavirus-vaccine-theft-case Articles bringing other elements to the event were published in February: *) Doctors says he was wrongly fired for giving expiring Covid vaccine to his wife : https://www.independent.co.uk/news/world/americas/covid-vaccine-expiring-houston-texas-b1801122.html *) Texas doctor fired for giving away expiring vaccines: https://www.webmd.com/vaccines/covid-19-vaccine/news/20210214/texas-doctor-fired-for-giving-expiring-vaccines
25 January 2021	Mexico, online	Moderna	-	Mexico Warns Citizens of Fake COVID-19 Vaccines	907667	https://www.occrp.org/en/27-ccwatch/cc-watch-briefs/13715-mexico-warns-citizens-of-fake-covid-19-vaccines Original message: https://www.gob.mx/cms/uploads/attachment/file/608294/Comunicado_Vacuna_Covid_Moderna_220121.pdf
26 January 2021	UK	-	-	Sick fraudsters inject Scots with fake Covid vaccine for cash in cruel scam	909286	https://www.dailyrecord.co.uk/news/scottish-news/sick-fraudsters-inject-scots-fake-23389274
26 January 2021	USA	Moderna	diverted	Polk County 'Paramedic of the Year' arrested in theft of COVID vaccines	936949	https://www.wfla.com/news/polk-county/judd-polk-county-paramedic-arrested-for-stealing-coronavirus-vaccines/
27 January 2021	Ecuador	-	-	Ecuador Health Centre 'Gives Fake Covid Jab to 70,000 People'	910241	https://www.euroweeklynews.com/2021/01/27/ecuador-health-centre-gave-fake-covid-jab-to-70000-people/
29 January 2021	Online	-	-	Covid-19 medicines, PPE, tests and vaccines are being sold on the dark web	913513	https://www.dailymail.co.uk/sciencetech/article-9198535/Covid-19-medicines-PPE-tests-vaccines-sold-dark-web.html

31 January 2021	Finland	-	-	Woman suspected of peddling fake vaccine in southeast Finland	917132	https://yle.fi/uutiset/osasto/news/woman_suspected_of_peddling_fake_vaccine_in_southeast_finland/11765320
FEBRUARY						
01 February 2021	China	-	-	80 held in China over fake Covid-19 vaccines	918486	https://www.scmp.com/news/china/politics/article/3120083/chinese-police-detain-80-selling-fake-covid-19-vaccines
04 February 2021	Mexico, online	Oxford-AstraZeneca	-	Cofepris alerts about the illicit sale of the AstraZeneca vaccine	924171	https://www.explica.co/cofepris-alerts-about-the-illicit-sale-of-the-astrazeneca-vaccine/ <u>Original message:</u> https://www.gob.mx/cms/uploads/attachment/file/613986/COFEPRIS03022021.pdf
04 February 2021	USA	-	diverted	COVID-19 vaccine doses stolen in Florida after car keys left in ignition	936924	https://www.clickorlando.com/news/local/2021/02/04/video-shows-person-of-interest-in-stolen-covid-19-vaccine-investigation-police-say/
04 February 2021	USA	-	diverted	St. Pete City Council left in the dark on theft of COVID-19 vaccine vials, investigation into fire department employee	936941	https://www.abcactionnews.com/news/region-pinellas/st-pete-city-council-left-in-the-dark-on-theft-of-covid-19-vaccine-vials-investigation-into-fire-department-employee
08 February 2021	Philippines	-	-	Avoid COVID-19 vaccines from black market, doctors warn	930157	https://newsinfo.inquirer.net/1393684/avoid-vaccines-from-black-market-doctors-warn
08 February 2021	Online	-	-	Bogus COVID-19 Vaccine Offers Flooding The 'Dark Web'	929197	https://chicago.cbslocal.com/2021/02/07/dark-web-covid-vaccine-scams/
10 February 2021	China	-	-	Over 58,000 Fake COVID-19 Vaccine Doses Busted in China, 600 Doses Sent Overseas	932609	https://www.urdupoint.com/en/world/over-58000-fake-covid-19-vaccine-doses-buste-1164592.html
10 February 2021	UK, Italy, Japan	Sinopharm (in Japan)	diverted & other issues	黑市疫苗，为何屡禁不止？ ('Black market vaccines, why do they persist?') --> reports on several incidents')	932480	https://www.yicai.com/news/100947924.html
11 February 2021	Greece	Pfizer/BioNTech	diverted	Greek Police Probe Theft of COVID-19 Vaccine Vial Holding Six Doses	948981	https://www.thenationalherald.com/archive_general_news_greece/arthro/greek_police_probe_theft_of_covid_19_vaccine_vial_holding_six_doses-1776428/
11 February 2021	USA	Pfizer/BioNTech	degraded	About 6,000 COVID Vaccine Doses Potentially Spoiled In OC Due To Refrigerator Malfunction	933403	https://news.yahoo.com/6-000-covid-vaccine-doses-003325113.html
14 February 2021	India	-	-	Woman injects fake COVID-19 vaccine to elderly couple, flees with 8 tola jewellery	940683	https://www.timesnownews.com/hyderabad/article/woman-injects-fake-covid-19-vaccine-to-elderly-couple-flees-with-8-tola-jewellery-hyderabad/720332
14 February 2021	USA	Pfizer/BioNTech	diverted	1,000 COVID-19 Vaccine Doses Stolen From Under Nose of Mayor Kane	943453	https://bleedingcool.com/tv/1000-covid-19-vaccine-doses-stolen-from-under-nose-of-mayor-kane/
14 February 2021	Philippines	Moderna	-	Rumoured Moderna vaccine shipment likely fake, says FDA	939722	https://www.sunstar.com.ph/article/1885882/Manila/Local-News/Rumored-Moderna-vaccine-shipment-likely-fake-says-FDA
15 February 2021	Europe	-	-	EU's anti-fraud agency warns against fake COVID vaccines	941124	https://www.swissinfo.ch/eng/eu-s-anti-fraud-agency-warns-against-fake-covid-vaccines/46371790
16 February 2021	Belgium	-	-	Belgium warns against fake Russian vaccines	942342	https://www.brusselstimes.com/news/belgium-all-news/155115/belgium-warns-against-fake-russian-vaccines-vaccination-taskforce-info-campaign-herd-immunity/

17 February 2021	South Africa	-	-	Fake Covid-19 vaccines discovered in Gauteng	945211	https://www.jacarandafm.com/news/news/fake-covid-19-vaccines-discovered-gauteng/ (This incident might be related to the one described in report ID 865724 on 28 December 2020, but not clear if this article mentions an additional warehouse or if it is referring to the same event)
17 February 2021	Brazil	-	air vaccines	'Shots of air': Brazilian health workers accused of giving fake COVID vaccinations with empty syringes	944701	https://nationalpost.com/news/world/brazil-police-probe-reports-of-coronavirus-vaccine-shots-of-air
17 February 2021	Mexico	Pfizer/BioNTech	-	Mexico Arrests 6 for Trafficking False Coronavirus Vaccines	944948	https://www.nbcdfw.com/news/local/mexico-arrests-6-for-trafficking-false-coronavirus-vaccines/2555781/
19 February 2021	Colombia	Chinese Academy of Medical Sciences (Vero Cell)	-	COVID-19 vaccine counterfeits set off alarms across the globe	947830	https://www.bioworld.com/articles/503830-covid-19-vaccine-counterfeits-set-off-alarms-across-the-globe
19 February 2021	Italy, online	* Pfizer/BioNTech * Oxford-AstraZeneca	-	Italy probes vaccine scams even as officials court offers	947669	https://www.theridgefieldpress.com/news/article/Italy-probes-vaccine-scams-even-as-officials-15963865.php
21 February 2021	Ukraine	Pfizer/BioNTech	-	Covid-19 vaccines hit the black market	950068	https://www.aspistrategist.org.au/covid-19-vaccines-hit-the-black-market/
22 February 2021	Trinidad and Tobago	-	-	Fake COVID vaccines being offered to Trinidad	951551	https://www.stabroeknews.com/2021/02/22/news/regional/trinidad/fake-covid-vaccines-being-offered-to-trinidad-pm/
23 February 2021	France	-	-	Il se fait passer pour un infirmier et administre un faux vaccin ('He pretends to be a nurse and administers a fake vaccine')	951944	https://www.alouette.fr/news/bretagne-il-se-fait-passer-pour-un-infirmier-et-administre-un-faux-vaccin-10676
25 February 2021	USA	-	degraded	COVID-19 vaccine doses tossed around state, low amounts in Pima County	956586	https://www.kold.com/2021/02/26/covid-vaccine-doses-tossed-around-state-low-amounts-pima-county/
25 February 2021	Europe	Oxford-AstraZeneca	-	Fraudsters offer 400 million 'ghost' COVID vaccines in EU: officials	955619	https://www.reuters.com/article/us-health-coronavirus-eu-vaccines/fraudsters-offer-400-million-ghost-covid-vaccines-in-eu-officials-idUSKBN2AP1GN
26 February 2021	USA	-	-	Vaccine doses may have been stolen at Pipkin Building in early February, Tennessee health department says	957718	https://www.commercialappeal.com/story/news/local/coronavirus/2021/02/26/covid-19-vaccines-stolen-in-memphis-shelby-county-health-department/6822867002/
MARCH						
01 March 2021	Europe	Oxford-AstraZeneca	-	Europe Probes Attempted Vaccine Scams of More Than \$15 Billion	961495	https://www.bloomberg.com/news/articles/2021-03-01/europe-probes-attempted-vaccine-scams-of-more-than-15-billion
02 March 2021	South Sudan	-	-	Thai Army doctor sold fake Covid-19 vaccines to UN peacekeepers	962520	https://www.straitstimes.com/asia/se-asia/thai-army-doctor-sold-fake-covid-19-vaccines-to-un-peacekeepers
02 March 2021	USA	-	-	National Consumer Protection Week: FDA Is Vigilant in Protecting Consumers Against COVID-19 Vaccine Scams - 2021-03-02	962956	http://www.fda.gov/news-events/fda-voices/national-consumer-protection-week-fda-vigilant-protecting-consumers-against-covid-19-vaccine-scams
03 March 2021	Israel	Pfizer/BioNTech	empty vials: diverted	2 Israelis detained on suspicion of selling used COVID vaccine vials	975656	https://www.timesofisrael.com/2-israelis-detained-on-suspicion-of-selling-used-covid-vaccine-vials/

03 March 2021	USA	Pfizer/BioNTech	diverted	Decatur pharmacist fired after taking COVID-19 vaccines home to family	992152	https://www.chicagotribune.com/coronavirus/vaccine/ct-coronavirus-vaccine-decatur-hospital-pharmacist-20210303-t6nnwtc2vvad5jr4dmtlxkf7mq-story.html
04 March 2021	Malaysia, Online	Pfizer/BioNTech	-	Police Investigate Fake COVID-19 Vaccines Sold Online, Losses Amounting Up To RM285,499	966743	https://worldofbuzz.com/police-investigate-fake-covid-19-vaccines-sold-online-losses-amounting-up-to-rm285499/ Additional information: https://www.sinchew.com.my/content/content_2437445.html
04 March 2021	Online, France, Germany, UK, USA	-	-	Scammers are Selling Fake COVID-19 Vaccines for up to \$1,200	965729	https://www.itnewsafrica.com/2021/03/scammers-are-selling-fake-covid-19-vaccines-for-up-to-1200/
09 March 2021	Online	-	-	Some people turning to black market to get COVID-19 vaccine	973480	https://www.azfamily.com/news/continuing_coverage/coronavirus_coverage/vaccine_headquarters/some-people-turning-to-black-market-to-get-covid-19-vaccine/article_af7de3d2-8144-11eb-bf11-a7a9c31ca1c6.html
10 March 2021	Mexico, online	* Cansino Biologics * Sinopharm Group Co. Ltd * Sinovac	-	Alerta por falsificación de vacunas contra el covid-19 en México que estarían en venta ('Alert for falsified vaccines against covid-19 in Mexico that would be for sale')	976281	https://www.larepublica.co/globoeconomia/alerta-por-falsificacion-de-vacunas-contra-el-covid-19-en-mexico-que-estarian-en-venta-3137336 <u>Original message:</u> https://www.gob.mx/cms/uploads/attachment/file/619020/Alerta_Sanitaria_Cansino_Sinopharm_Sinovac.pdf
13 March 2021	India	-	-	Woman administers fake COVID-19 vaccine to aunt, her family & escapes with gold	978169	https://www.timesnownews.com/chennai/article/woman-administers-fake-covid-19-vaccine-to-aunt-her-family-escapes-with-gold/732152
15 March 2021	Colombia	Sinovac	air vaccines	El video del engaño: enfermera vacuna contra el Covid-19 con una jeringa vacía ('The video of the deception: nurse vaccinates against COVID-19 with an empty syringe')	987387	https://www.clarin.com/internacional/video-engano-enfermera-vacuna-covid-19-jeringa-vacia_0_5bj7mXUTK.html
16 March 2021	USA	-	diverted	Nurse arrested for allegedly stealing COVID-19 vaccine at TCF Center in Detroit	981668	https://www.wxyz.com/news/coronavirus/covid-19-vaccine/nurse-arrested-for-allegedly-stealing-covid-19-vaccine-at-tcf-center-in-detroit
16 March 2021	Jamaica	Oxford-AstraZeneca	diverted (under investigation)	Ten doses of COVID vaccine missing from Cornwall Regional Hospital	1003286	https://jamaica-gleaner.com/article/lead-stories/20210316/ten-doses-covid-vaccine-missing-cornwall-regional-hospital
18 March 2021	Mexico	Sputnik V	-	Mexico authorities seize fake batch of Russian Sputnik V vaccine: RDIF	984176	https://www.reuters.com/article/us-health-coronavirus-russia-vaccine-mex-idUSKBN2BA1RD <u>Original message:</u> https://www.gob.mx/cofepris/es/articulos/nota-informativa-sobre-vacunacion-ilegal-en-campeche?idiom=es
22 March 2021	Ghana	Oxford-AstraZeneca 'Covidshield' [sic]	diverted	Ghana Health Service start dey investigate 3 health officials who 'dey sell Covid-19 vaccines'	988608	https://www.bbc.com/pidgin/tori-56481793 <u>Additional information:</u> '4 accused of stealing and selling Covid-19 vaccines granted bail': https://www.myjoyonline.com/4-accused-of-stealing-and-selling-covid-19-vaccines-granted-bail/
23 March 2021	Online	* Johnson & Johnson * Oxford-AstraZeneca	-	Covid-19 vaccines and counterfeit vaccine cards are for sale on the dark web	989053	https://www.cnn.com/2021/03/23/tech/covid-vaccines-dark-web/index.html

23 March 2021	UK	-	diverted	Man charged after Covid vial stolen from Edinburgh vaccination centre	990549	https://www.bbc.com/news/uk-scotland-edinburgh-east-fife-56505041
24 March 2021	Mexico	Sputnik V	-	México investiga supuesta aplicación de vacuna anticovid "falsa" a un millar de personas ('Mexico investigates alleged application of falsified COVID-19 vaccine to thousand people')	990553	https://www.clarin.com/agencias/afp-mexico-investiga-supuesta-aplicacion-vacuna-anticovid-falsa-millar-personas_0_klvqCFjVO.html Original message: https://www.gob.mx/cofepris/es/articulos/cofepris-informa-sobre-la-vacuna-falsa-presuntamente-aplicada-en-campeche-y-las-acciones-en-curso?idiom=es
24 March 2021	Kenya	Sputnik V	diverted	Kenya: Distributors 'Sneaked' Russian Vaccine Into Kenya for Sale at Sh11,000 Per Jab	990984	https://allafrica.com/stories/202103240210.html
24 March 2021	Macau - China	BioNTech	-	Hong Kong, Macau suspend Pfizer COVID-19 vaccine over packaging flaw	1021092	https://www.arabnews.com/node/1830936/world
26 March 2021	Mexico	Pfizer/BioNTech	-	Medical Product Alert N°2/2021: Falsified COVID-19 Vaccine BNT162b2	994973	https://www.who.int/news/item/26-03-2021-medical-product-alert-n-2-2021-falsified-covid-19-vaccine-bnt162b2
30 March 2021	Philippines	-	-	Galvez says gov't probing 3 firms offering fake COVID-19 vaccines	998393	https://newsinfo.inquirer.net/1413018/galvez-says-govt-probing-3-companies-offering-fake-covid-19-vaccines
31 March 2021	USA	Johnson & Johnson	-	Johnson & Johnson COVID-19 vaccine batch fails quality check	1000915	https://www.thetelegraph.com/news/article/Johnson-Johnson-COVID-19-vaccine-batch-fails-16068073.php
31 March 2021	Pakistan	-	degraded & diverted	Corona vaccine stolen in Services, wasted in Mozang hospital	1001109	https://www.thenews.com.pk/print/813092-corona-vaccine-stolen-in-services-wasted-in-mozang-hospital
APRIL						
04 April 2021	Europe	-	-	Descubren contenedores de vacunas falsificadas que iban a distribuir en Europa ('They discover containers of falsified vaccines that were going to be distributed in Europe')	1005914	https://espanadiario.net/salud/descubren-contenedores-vacunas-falsas-distribucion-europa
07 April 2021	USA	Johnson & Johnson	-	Another 62million Covid vaccines 'contaminated' at scandal-hit factory	1011051	https://metro.co.uk/2021/04/07/another-62million-covid-vaccines-contaminated-at-scandal-hit-factory-14373004/
07 April 2021	Brazil	-	-	Au Brésil, une fausse infirmière s'est fait plus de 5000 euros en administrant de faux vaccins à plus de 50 hommes d'affaires ('In Brazil, a fake nurse made more than 5,000 euros injecting falsified vaccines to over 50 businessmen')	1010975	https://www.sudinfo.be/id385891/article/2021-04-07/au-bresil-une-fausse-infirmiere-sest-fait-plus-de-5000-euros-en-administrant-de
08 April 2021	USA	Johnson & Johnson	diverted	Capel Coral Police investigating stolen vials of Johnson & Johnson Covid-19 vaccine	1013423	https://www.fox4now.com/news/local-news/capel-coral-police-investigating-stolen-vials-of-johnson-johnson-covid-19-vaccine
13 April 2021	USA	Pfizer/BioNTech	degraded	Thousands need to be revaccinated after state finds substandard vaccine storage, handling at El Paso County clinic	1021500	https://www.msn.com/en-us/health/medical/thousands-need-to-be-revaccinated-after-state-finds-substandard-vaccine-storage-handling-at-el-paso-county-clinic/ar-BB1fCWLL <u>Additional information:</u> 3,000 vaccine doses seized from Colorado Springs medical spa due to storage problems: https://coloradosun.com/2021/04/12/moma-health-and-wellness-coronavirus-vaccine-seized/

14 April 2021	India	Covaxin	diverted	Rajasthan: 320 doses of COVID-19 vaccine stolen from Jaipur hospital, FIR filed	1020922	https://www.timesnownews.com/india/article/rajasthan-320-doses-of-covid-19-vaccine-stolen-from-jaipur-hospital-fir-filed/745043 Additional information: Over 300 Covaxin Covid-19 doses go missing from Rajasthan govt hospital https://www.livemint.com/news/india/over-300-mn-covaxin-covid-19-doses-go-missing-from-rajasthan-govt-hospital-11618395901531.html
15 April 2021	Online, Venezuela	-	-	Venezuela: arrestation de vendeurs de vaccins au noir ('Venezuela: illegal vaccine sellers arrested')	1023308	https://www.tvanouvelles.ca/2021/04/15/venezuela-arrestation-de-vendeurs-de-vaccins-au-noir
16 April 2021	Republic of Korea	-	syringes: substandard	Korea gives 500,000 AstraZeneca shots with potentially faulty syringes	1025296	http://www.koreaherald.com/view.php?ud=20210416000870
21 April 2021	Poland	Pfizer/BioNTech	-	Pfizer Identifies Fake Covid-19 Shots Abroad as Criminals Exploit Vaccine Demand	1030129	https://www.wsj.com/articles/pfizer-identifies-fake-covid-19-shots-abroad-as-criminals-exploit-vaccine-demand-11619006403
21 April 2021	Online, Argentina (Brazil, Mexico)	-	-	PAHO warns of fake Covid-19 vaccines in Argentina, Brazil and Mexico	1030705	https://batimes.com.ar/news/latin-america/paho-warns-of-fake-covid-19-vaccines-in-argentina-brazil-and-mexico.phtml
22 April 2021	India	* Covishield * Covaxin	diverted	1,710 doses of Covid-19 vaccine stolen from civil hospital in Haryana	1031435	https://www.livemint.com/news/india/1710-doses-of-covid-19-vaccine-stolen-from-civil-hospital-in-haryana-11619069095866.html
23 April 2021	Bolivia (Mexico, Colombia)	-	-	PAHO warns against acquiring vaccines from unofficial sources	1034582	https://www.nycaribnews.com/articles/paho-warns-latin-america-about-counterfeit-unauthorized-vaccines/
27 April 2021	Germany	Pfizer/BioNTech	-	Nurse 'gave people fake Covid vaccines to cover up for dropping vial'	1038395	https://metro.co.uk/2021/04/27/nurse-gave-people-fake-covid-vaccines-to-cover-up-for-dropping-vial-14478894/
30 April 2021	USA, online	* Moderna * Pfizer/BioNTech	empty vials	CBS 2 Investigators Go Undercover And Find Pharmacist Selling 'Empty' COVID Vaccine Vials Online: 'I Did Not Think It Was A Big Deal'	1043609	https://chicago.cbslocal.com/2021/04/30/pharmacist-selling-empty-covid-vaccine-vials-online-cbs-2-investigators-dorothy-tucker/
MAY						
01 May 2021	USA	Johnson & Johnson	diverted	COVID-19 vaccines, medical equipment stolen from Purdy dentist's office	1043734	https://www.kiro7.com/news/local/covid-19-vaccines-medical-equipment-stolen-purdy-dentists-office/VHTYI6WRHFETBDPQEAMYCE46HA/
05 May 2021	Online	* Sputnik V * Pfizer/BioNTech	-	Dubious Covid-19 Shots, Fake Vaccination Certificates Proliferate on Dark Web	1048306	https://www.wsj.com/articles/dubious-covid-19-shots-fake-vaccination-certificates-proliferate-on-dark-web-11620207001
10 May 2021	Online	Pfizer/BioNTech	-	Surgical masks, vaccines among counterfeit goods on the rise online	1095520	https://www.tnp.sg/news/singapore/surgical-masks-vaccines-among-counterfeit-goods-rise-online
11 May 2021	India	* Covishield * Covaxin	diverted	Exclusive: Black marketing of vaccine in Silchar Civil, unauthorised centre running inside a chamber	1086365	https://www.barakbulletin.com/en_US/exclusive-black-marketing-of-vaccine-in-silchar-civil-unauthorised-centre-running-inside-a-chamber/
12 May 2021	USA	Pfizer/BioNTech	diverted	Police Investigating Man Suspected Of Stealing COVID-19 Vaccines	1057163	http://ktoe.com/2021/05/12/police-investigating-man-suspected-of-stealing-covid-19-vaccines/
17 May 2021	India	Covishield	diverted	40 doses of Covid-19 vaccine missing; Andhra police files case	1063860	https://www.newindianexpress.com/states/andhra-pradesh/2021/may/18/40-doses-of-covid-19vaccine-missing-andhra-police-filescase-2303946.html

18 May 2021	USA	Pfizer/BioNTech	substandard preparation	Exclusive: Whistleblower Alleges Queens Company Ordered Health Clinic Workers To Over Dilute Doses Of COVID Vaccine	1067060	https://newyork.cbslocal.com/2021/05/18/whistleblower-lawsuit-over-diluted-covid-vaccine-new-york-city/
19 May 2021	USA	Johnson & Johnson	-	100 million doses of Johnson & Johnson's vaccine need to be checked for contamination and may need to be thrown out	1071640	https://www.yahoo.com/news/100-million-doses-johnson-johnsons-200345343.html
20 May 2021	India	-	diverted	Three Bengaluru doctors held for blackmarketing of COVID-19 vaccines and drugs	1068658	https://www.thenewsminute.com/article/three-bengaluru-doctors-held-blackmarketing-covid-19-vaccines-and-drugs-149243
21 May 2021	Online	* Moderna * Pfizer/BioNTech	-	COVID-19 vaccine scam warning	1069276	https://mybroadband.co.za/news/trending/398181-covid-19-vaccine-scam-warning.html
25 May 2021	India	-	non-injected doses	UP govt order probe after 29 syringes filled with Covid vaccine was found in dustbin in Aligarh	1074206	http://www.uniindia.com/~up-govt-order-probe-after-29-syringes-filled-with-covid-vaccine-was-found-in-dustbin-in-aligarh/States/news/2404840.html
28 May 2021	India	-	-	Thieves steal 300 vials of children's vaccines thinking they were Covid doses in Maharashtra's Ulhasnagar	1078285	https://www.indiatoday.in/coronavirus-outbreak/story/thieves-steal-300-vials-children-vaccines-thinking-they-were-covid-doses-maharashtra-ulhasnagar-1808077-2021-05-28
28 May 2021	South Africa	(Chinese COVID-19 vaccines)	-	国外竟有人收高价， 骗人接种假的“国产疫苗”.....中国驻南非使馆发布重要通知！ ('Some people abroad charge high prices to trick people into inoculating fake "domestic vaccines"... The Chinese Embassy in South Africa issued an important notice!')	1077654	https://baijiahao.baidu.com/s?id=1700952799193001379&wfr=spider&for=pc
28 May 2021	India	-	diverted/unregistered	Dr Reddy's takes action against bogus entities offering Sputnik V Covid vaccine	1078624	https://www.livemint.com/news/india/dr-reddy-s-takes-action-against-bogus-entities-offering-sputnik-v-covid-vaccine-11622211977442.html

Table 3. Quality issues with COVID-19 vaccines in articles published between June and December 2021.

Each article is available in the Medicine Quality Monitoring (MQM) Globe linked to a report ID. Reports date from 1 June 2021 until 31 December 2021. Each type of quality issue has an attributed colour in this table. For the definition of the different terms of quality issues, please consult Table 1. In the next reports we plan to retrospectively categorise prior reports according to these definitions. We included articles from the Spanish, French, Chinese and/or Vietnamese press if the incident was not reported in the English lay press. We list here only one report per incident– there may be many other reports describing the same incidents. In the table we only refer to primary incidents described in the report, if a report repeats information on incidents that we already reported on, we do not name it again.

June - December 2021							
Publication date	Probable quality issue	Location	Product/Organisation	Title	MQM Globe report ID	Quantities involved	Constituent
JUNE 2021							
03 June 2021	Unclear	Kenya	-	DCI probes facilities illegally giving Covid jabs at a fee	1086161	-	unknown
04 June 2021	Diverted	India	Bharat Biotech (Covaxin), Serum Institute	Will inquire matter myself: Punjab Health Minister on allegations of vaccine diversion to private hospitals	1086967	40,000 doses	-
11 June 2021	Substandard	USA, Europe	Johnson&Johnson	EU regulator flags contamination in some J&J COVID-19 vaccines	1095771	unknown	-
11 June 2021	Substandard	USA, Canada	Johnson&Johnson	First batch of J&J COVID vaccines won't be released in Canada	1096549	300,000 doses	-
12 June 2021	Substandard	USA, South-Africa	Johnson&Johnson	2 million doses of J&J vaccine in South Africa possibly contaminated Citypress	1097627	2 million doses	-
14 June 2021	Diverted	Uganda	Oxford-AstraZeneca	Police names suspects arrested over stolen Covid-19 vaccines	1129380	unknown	-
15 June 2021	Falsified	Ecuador	Pfizer/BioNTech	Five fraudsters are arrested in Ecuador for selling fake Pfizer vaccines	1100787	43 syringes seized	unknown, sea water?
16 June 2021	Falsified	India	Covishield	Mumbai Society Residents Allege Vaccination Scam, Suspect They Received Fake COVID-19 Vaccine; Probe	1101158	around 390 people vaccinated	unknown
23 June 2021	Falsified	India	Covishield	TMC MP Mimi Chakraborty falls for fake Covid-19 vaccination drive, gets accused arrested	1110971	200-250 people vaccinated	amikacin
24 June 2021	Substandard	Russia	Sputnik V	WHO uncovers problems at Sputnik V Covid-19 vaccine at Russia's Ufa plant	1131615	unknown	-

25 June 2021	Falsified	India	-	Escroquerie aux faux vaccins en Inde: 2500 personnes vaccinées avec de l'eau saline (India's fake vaccine scam: 2,500 people vaccinated with saline water)	1114048	2,000 people	Saline
29 June 2021	Substandard	Thailand	Sinovac	Gel-like substance found in 110 bottles of Sinovac's COVID-19 vaccine	1173183	110 vials	-
30 June 2021	Falsified	Uganda	Oxford-AstraZeneca (Serum Institute of India)	Uganda: State House Says Over 800 People Vaccinated With Fake COVID-19 Jabs ▷ Kenya News	1119681	> 800 people vaccinated	(bottled) water
30 June 2021	Falsified - incident 1 Substandard (after diversion) - incident 2	Venezuela, online	-	Venezuela's Thriving Black Market for COVID-19 Vaccines	1120499	> 2,000 people affected (incident 1)	'boiling water', painkillers and antibiotics (incident 1)
JULY 2021							
01 July 2021	Unclear	Online	Oxford-AstraZeneca, Pfizer/BioNTech, Johnson & Johnson, Moderna, Sputnik V	Fake Covid Certificates, Stolen Vaccines Sold on Darkweb for Bitcoin	1122035	-	-
03 July 2021	Unclear	Online, Italy	-	Website accepting cryptocurrency for selling fake coronavirus vaccines and certificates in Italy	1123690	-	-
07 July 2021	Unclear	Philippines	Oxford-AstraZeneca, Pfizer/BioNTech, Sinovac	Pasay City police arrest fake nurse, cohort for illegal sale of COVID vaccines	1129126	unknown	-
07 July 2021	Falsified, Unclear	Iran	Sinopharm, Oxford-AstraZeneca, Pfizer/BioNTech	Iran Cracks Fake COVID Vaccine Ring, Seizing Large Shipment	1216975	unknown	unknown
08 July 2021	Diverted	Philippines	Sinovac Biotech	Sinovac shots confiscated in QC 'unsafe,' had dirty packaging – FDA	1130843	300 doses	unknown
13 July 2021	Falsified	Lebanon	-	Scandale à l'Hôpital de Batroun, un employé accusé d'avoir falsifié les vaccins Pfizer (Scandal at Batroun Hospital, employee accused of falsifying Pfizer vaccines)	1135850	-	Unknown
13 July 2021	Unclear	Mexico	-	Alertan por hallazgo de vacunas falsas contra Covid-19 en Ciudad Juárez	1157058	unknown	Unknown

(Alert for the discovery of false vaccines against Covid-19 in Ciudad Juárez)							
14 July 2021	Falsified	Thailand	Moderna	Thai clinic shut down for selling fake Moderna vaccine: cops	1136434	unknown	unknown
15 July 2021	Diverted	South Africa	-	'Covid-19 vaccines and scheduled medicines now in the hands of looters'	1138581	unknown	-
18 July 2021	Diverted	India	Covishield	COVID-19 in Chhattisgarh: 70 doses of Covishield vaccine stolen in Durg's Ahirwara	1143378	70 doses	-
24 July 2021	Diverted	India	Covishield	Covid: Pharmacist held for vaccine fraud in Diamond Harbour	1151752	at least 40 people vaccinated	-
26 July 2021	Diverted	Pakistan	-	Man held, former army officer booked on charges of 'illegal' Covid vaccination in Karachi	1153392	unknown	-
26 July 2021	Falsified	Mexico	-	Police arrest man for administering fake Covid vaccine for 1,000 pesos	1153776	unknown	unknown, sodium chloride?
AUGUST 2021							
04 August 2021	Falsified	Zambia	-	2 in court for administering fake Covid vaccine – Zambia	1170735	one person vaccinated	-
10 August 2021	Falsified	India	-	Health supervisor held for giving 'fake' Covid jabs	1171346	-	dexamethasone, ranitidine
10 August 2021	Falsified	Germany	Pfizer/BioNTech	8,900 May Have Received Fake COVID-19 Vaccines, Injected With Saline Instead	1172699	up to 8,557 people vaccinated	saline solution
16 August 2021	Falsified	Uganda, India	Covishield	Coronavirus - Africa: Medical Product Alert N°5/2021: Falsified COVISHIELD vaccine	1179721	-	-
19 August 2021	Diverted	India	Covishield	Navi Mumbai: 20-year-old held for black marketing of Covishield vaccine in Nerul	1183740	-	-
21 August 2021	Diverted	Myanma, India	Covishield	Brokers sell Covishield vaccine on Myanmar's black market for millions of kyat	1211006	-	-

25 August 2021	Substandard	Japan, Spain	Moderna	Moderna probes reports of COVID-19 vaccine contamination in Japan Additional information: report ID 1195784	1191874	1.63 million doses	'metallic particle'
28 August 2021	Substandard	Japan (Okinawa)	Moderna	Contaminants found in Moderna vaccine not belonging to suspended lots Additional information: report ID 1196215	1195426	4 vials	'rubber pieces'
29 August 2021	Substandard	Japan (Gunma)	Moderna	Contaminants found in more Moderna COVID vaccine in Japan	1196215	4,500 people received shots	'blackish foreign matter'
30 August 2021	Substandard	Japan	Moderna	Japan's Moderna vaccine woes widen	1197034	1 million	'foreign substances'
31 August 2021	Falsified	Myanmar	Covishield	Medical Product Alert N°5/2021: Falsified COVISHIELD vaccine (Update)	1198523	-	-
31 August 2021	Substandard	Japan (Kanagawa)	Moderna	Japan finds black particles in Moderna vaccine	1199556	3,790 people received shots	'black particles'
SEPTEMBER 2021							
01 September 2021	Unregistered	Zambia	Hayat Vax (Vero Cell, Gulf Pharmaceutical Industries)	10,000 doses of fake COVID-19 vaccines destroyed by ZAMRA	1199738	-	-
06 September 2021	Unclear	Brazil	Sinovac	Brazil Bans China's Sinovac Covid Vaccine Over Fears Of Contamination	1206268	12.1 million doses + 9 million doses	-
08 September 2021	Falsified	Kenya	Johnson & Johnson	Two suspected of administering fake Covid-19 vaccine	1208719	-	-
09 September 2021	Falsified	China	-	福州这2人制造假新冠疫苗共牟利54万余元,目前已有200人接种! - 2021-09-09 (These two people in Fuzhou made a total of more than 540,000 yuan in the production of fake COVID-19 vaccines, and currently 200 people have been vaccinated!)	1209582	454 falsified vaccines sold (allegedly administrated to 200 people)	'saline'
13 September 2021	Diverted	Turkey	Unknown	Nurses accused of selling siphoned COVID-19 vaccines in Turkey Daily Sabah	1215059	-	-
13 September 2021	Falsified	India	-	Three Moga women held for holding fake Covid vaccination camp	1215054	-	multi-vitamins

14 September 2021	Substandard	Japan	Pfizer/BioNTech	Contaminated Pfizer Covid-19 vaccines found in Japan	1216365	5 vials	floating white substance
15 September 2021	Substandard	Japan	Pfizer/BioNTech	Pfizer says substances found in COVID-19 vaccine vials in Japan harmless - Reports	1217459	95 vials	floating substances
15 September 2021	Diverted	Canada	Unknown	Winnipeg police investigating possible theft of COVID-19 vaccine from convention centre supersite	1217927	-	-
23 September 2021	Substandard	South Africa	Johnson & Johnson (Aspen's Gqeberha facility)	30 million 'contaminated' J&J vaccines destroyed in South Africa	1227495	30 million	-
OCTOBER 2021							
19 October 2021	Substandard	Papua New Guinea	Oxford-AstraZeneca	AstraZeneca vaccines exposed, contaminated	1259608	First order: 200 vials Second order: 150 vials	-
NOVEMBER 2021							
04 November 2021	Falsified	Iran	Pfizer/BioNTech	Medical Product Alert N°6/2021: Falsified Pfizer-BioNTech COVID-19 Vaccine	1277375	-	-
04 November 2021	Falsified	Iran	Oxford-AstraZeneca	Medical Product Alert N°7/2021: Falsified COVID-19 Vaccine AstraZeneca	1276986	-	-
11 November 2021	Diverted	India	-	Fake vaccination racket unearthed in Uttar Pradesh's Unnao district	1284769	more than 3,000 vaccine doses	-
28 November 2021	Unregistered	Germany	-	Germany: Dozens take illegal mystery COVID vaccine before police shut it down. Additional information report ID 1337288	1321353	50 + 20,000 individuals received a homemade dose	-
DECEMBER 2021							
06 December 2021	Diverted	Kenya	Oxford-AstraZeneca, Johnson & Johnson	Kenya: Inside Top Secret Covid-19 Vaccine Smuggling Racket - AllAfrica	1310033	10 vials of Johnson & Johnson COVID-19 vaccine (5 doses/vial)	-

A.2.2. Incidents published in October, November and December 2021

A.2.2.1. *Falsified COVID-19 vaccines*

In November, WHO issued two alerts that refer to falsified vaccines identified in the Islamic Republic of Iran. The falsified products were reported to WHO in October 2021.

Pfizer/BioNTech

The first WHO Medical Product Alert was issued on falsified Pfizer/BioNTech vaccine (report ID 1277375). The genuine manufacturer of the Pfizer/BioNTech vaccine has confirmed that the product is falsified. The product label and artwork are inconsistent with genuine Pfizer/BioNTech vaccines. The expiry date on the label (09/2021) is falsified and inconsistent with the expiry date of genuine vaccine with the same lot number (lot EH9899).

Oxford-AstraZeneca

The second WHO Medical Product Alert was issued on falsified AstraZeneca vaccine (report ID 1276986). The genuine manufacturer of the AstraZeneca vaccine has indicated that the product is falsified. The falsified products are illicitly refilled vials of used and discarded genuine AstraZeneca vaccine. The metal cap on samples of these falsified products displays evidence of tampering, indicating the metal cap was removed in order to refill the vials, and later replaced onto the vial.

A.2.2.2. *Substandard COVID-19 vaccines*

Oxford-AstraZeneca

Due to heat exposure while transporting and contamination upon arrival, 150 vials of the AstraZeneca vaccine were halted for use in Papua New Guinea (report ID 1259608). This was the second batch ordered by the provincial health authority, which had undergone the same issues as a previous order and could not be used for vaccinations. The first batch, containing 200 vials, was spoiled on arrival and could not be used for vaccinations.

A.2.2.3. *Unregistered COVID-19 vaccines*

In Germany, police shut down an unauthorized vaccination drive at Lübeck airport after a doctor began administering COVID-19 vaccine shots he invented himself (report ID 1321353). According to police, 50 people appeared to have received the vaccines, while over 200 more were waiting in line. The vaccine was developed without any cooperation with regulators. The doctor tested the vaccine on himself and some 100 volunteers. He then claimed that his vaccine was 97 percent effective and could be reproduced in large quantities. He was served with criminal charges. According to another article, he administered more than 20,000 homemade doses to members of the public without authorization.

A.2.2.4. *Diverted COVID-19 vaccines*

Oxford-AstraZeneca and Johnson & Johnson

One article reports on an investigation that found sellers in Kenya, in Isiolo and Marsabit, who offered 10 vials of diverted Johnson & Johnson vaccine (report ID 1310033). Alleged corrupted Ministry of Health officials, established an intricate network of cartels that were selling donated COVID-19 vaccines. The article reports

that most of the vaccines circulating in the black market are smuggled to Nairobi from government facilities in the north-eastern region. The cartel allegedly involved doctors and medical workers, mainly targeting the Johnson & Johnson vaccine. One vial of Johnson & Johnson typically contains 5 doses and a vial of AstraZeneca contains 12 doses of COVID-19 vaccine. At the source, the vaccines were sold between Sh5,000 and Sh6,000 (Kenyan Shilling, approximately 44 – 53 USD) per vial but in the city prices could go up to Sh20,000 (approximately 176 USD).

Unknown 'COVID-19 vaccines'

In Uttar Pradesh state, India, approximately 3,000 vaccine doses meant for the Community Health Center (CHC) in Miyaganj were recovered under suspicious circumstances at the residence of a private employee (report ID 1284769). The vaccines were not kept in cold storage. The store helper was asked by the CHC superintendent to keep the boxes of vaccine doses at her place without knowing why.

A.3. Reports from scientific literature

Aborode AT, Awuah WA, Talukder S, et al. **Fake COVID-19 vaccinations in Africa.** *Postgrad Med J.* 2021;0(0). doi:10.1136/POSTGRADMEDJ-2021-141160

Extract. "Detection and removal of counterfeit products from circulation to mitigate harm to patients is imperative. A call for upsurge surveillance within the supply chains of countries and regions likely to be affected by these falsified products, which encompass hospitals, clinics, health centres, wholesalers, distributors, pharmacies and suppliers of medical products, is needed. All medical products must be obtained from authorised/licensed suppliers and the validity and physical state of all medical products must be meticulously scrutinised. All COVID-19 vaccine brands must be endorsed by regulatory bodies as safe and potent. Suggested efforts can ensure vaccine authenticity. It is recommended that better arrangements be made for the disposal of COVID-19 vaccine waste. Also, community leaders should be instated as reporters for vaccine efforts. Should they receive information that fake vaccines are being administered in remote and rural locations, these community leaders can report to health officials. The influence of community leaders can help raise public awareness. Community leaders are often respected by the local population and would have the trust of the community. Community leaders could help influence vaccinations while also keeping fake vaccinations out of their community."

Wu J, Li Q, Silver Tarimo C, et al. **COVID-19 Vaccine Hesitancy Among Chinese Population: A Large-Scale National Study.** *Front Immunol.* 2021;12.

doi:10.3389/FIMMU.2021.781161/FULL

Extract: "There is a considerable link between doctor and vaccine developer distrust and COVID-19 vaccine hesitation. In essence, willingness to take a vaccination is a matter of trust: that the vaccine is necessary, that it will function, and that it is safe. Due to recent vaccination-related adverse events and instances of counterfeit vaccine, the public's trust in medical professionals and vaccine developers has decreased significantly. To build faith in the vaccine, the vaccination service organization should, on the one hand, expand the number of vaccination medical personnel, train and develop doctor-patient communication skills, and improve the quality of vaccination service evaluation. China should also accelerate the development of a vaccine industry credibility system, encourage vaccine production, and encourage companies to take the lead in vaccine production and circulation while ensuring the quality and safety of vaccine products from development stage to circulation."

Srivastava K. **Fake covid vaccines boost the black market for counterfeit medicines.** *Br Med J.* 2021;375:1-2. doi:10.1136/bmj.n2754

Abstract: "Counterfeit medicines and vaccines have always threatened public health, but the pandemic has brought a global surge in black market sales."

A.4. Reports from international organisations

WHO. **Medical Product Alert N°6/2021: Falsified Pfizer-BioNTech COVID-19 Vaccine.** Medical product alert. Published November 4, 2021. Accessed December 16, 2021. <https://www.who.int/news/item/04-11-2021-medical-product-alert-n-6-2021-falsified-pfizer-biontech-covid-19-vaccine>

Extract. *"This WHO Medical Product Alert refers to one lot of falsified Pfizer-BioNTech COVID-19 Vaccine identified in the Islamic Republic of Iran and reported to WHO in October 2021. The genuine manufacturer of Pfizer-BioNTech COVID-19 Vaccine has confirmed that the product listed in this Alert is falsified. The falsified product was reported at the patient level outside authorized and regulated supply chains and authorized vaccination programmes in the Islamic Republic of Iran. [...]"*

WHO. **Medical Product Alert N°7/2021: Falsified COVID-19 Vaccine AstraZeneca.** Medical product alert. Published November 4, 2021. Accessed December 16, 2021. <https://www.who.int/news/item/04-11-2021-medical-product-alert-n-7-2021-falsified-covid-19-vaccine-astrazeneca>

Extract. *"This WHO Medical Product Alert refers to falsified COVID-19 VACCINE AstraZeneca (ChAdOx1-S [recombinant]) identified in the Islamic Republic of Iran and reported to WHO in October 2021. The genuine manufacturer of COVID-19 VACCINE AstraZeneca (ChAdOx1-S [recombinant]) has indicated that the product is falsified. The falsified product was reported at the patient level outside authorized and regulated supply chains and authorized immunization programmes in the Islamic Republic of Iran. [...]"*

A.5. Miscellaneous

Zaman MH, Sundaram R, Gabriel W. **Counterfeit vaccines and medicines spell trouble for controlling Covid-19.** STAT. Published October 25, 2021. Accessed October 27, 2021. https://www.statnews.com/2021/10/25/counterfeit-vaccines-medicines-spell-trouble-controlling-covid-19/?utm_source=STAT+Newsletters&utm_campaign=145fc69ba6-Daily_Recap&utm_medium=email&utm_term=0_8cab1d7961-145fc69ba6-153157018

Extract. *"While the development of resistance to vaccines and therapeutics by SARS-CoV-2, the virus that causes Covid-19, is a real concern, substandard and falsified products affect public health efforts in ways that go beyond resistance. The presence of counterfeit vaccines could lead to an individual getting a fake vaccine for their second shot, giving the SARS-CoV-2 virus a chance to multiply and mutate in the host. Fake therapeutics could lead to repeat outbreaks in regions thought to have the disease under control. [...] There is a real danger that the presence of counterfeit vaccines and medicines will allow Covid-19 to become endemic, a near-permanent and potentially overwhelming disease, especially in low- and middle-income countries. What we need now is to steepen the gradient and ensure equitable access to quality therapeutics, because it is good public health policy and morally the right thing to do."*

Part B.

Other medical products linked to COVID-19

B.1. Articles of incidents in the lay literature

B.1.1. Overview of all categories

Since the beginning of the pandemic, we have identified 959 relevant articles on quality problems with COVID-19 medical products: (a) vaccines, (b) diagnostics, (c) Personal Protective Equipment (PPE), (d) sanitisers & disinfectants, (e) medicines, and (f) ventilation & oxygenation equipment and consumables. In this issue, we report on 53 new relevant articles in the English language: 21 articles for October, 17 for November and 15 articles for December 2021 (see Figure 3). From June 2021 onwards there has been a drop in the number of articles discussing quality problems of COVID-19 medical products. In June 2021 there were four times more articles discussing the issues of poor quality COVID-19 medical products compared to December 2021.

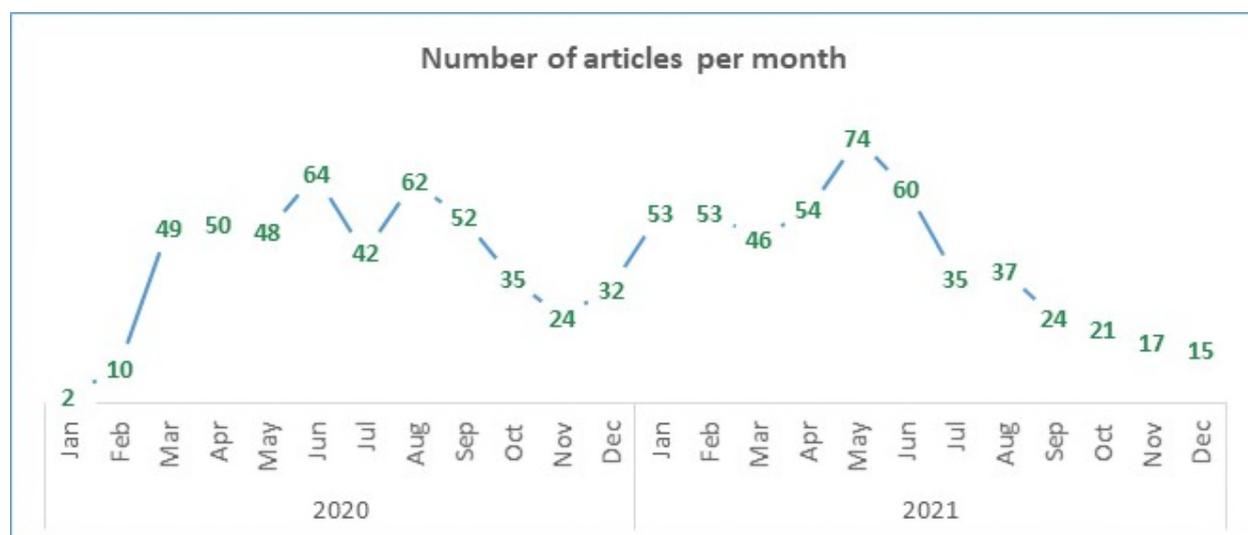


Figure 3. Number of articles on the Medicines Quality Monitoring Globe on quality issues of COVID-19 supplies by month.

As some articles describe more than one category of products, the sum of incidents per month as shown in Figure 4 may exceed the sum of articles per month of Figure 3. Note (i) since November 2020, non-COVID-19 medicines containing hidden (i.e. unstated) active pharmaceutical ingredients (API) that are used or trialled for COVID-19 are no longer included. Only medicines for which the stated API is used or trialled for COVID-19 treatment are included in this report. The observed decrease of the number of articles in November 2020 can be at least partially due to this change. Note (ii) search terms for COVID-19 vaccines theft and diversion have been added, the observed rise in the number of articles from January '21 can be at least partially due to this change.

The articles in English language that we discuss for October, November and December 2021 include 58 incidents: 6 on vaccines (see part A of this report), 18 on COVID-19 related medicines, 6 on PPE, 19 on sanitisers & disinfectants, and 9 on diagnostics. We could not identify articles in these three months in the MQM Globe on quality issues with ventilation & oxygenation equipment and consumables. Figure 4 shows the number of alerts for each category by month since the beginning of the pandemic. It shows that alerts have appeared in waves. In the beginning of 2021 there was an increase of articles discussing SF COVID-19 vaccines contemporary with the role out of the COVID-19 vaccines. In May and June 2021, with the rising number of COVID-19 cases in India, there was an increase in number of incidents reported in relation to poor quality remdesivir and tocilizumab in India. For the months of October, November and December 2021, we found a decline in the number of articles discussing poor quality incidents leading to a lower overall number of alerts for all product categories.

Some articles summarize or describe multiple product categories used during the COVID-19 pandemic. When an article discusses 2 or more product categories, we describe the content of those articles in this section and do not report on them in the sections for the different product categories.

In India, the Government has declared six brands of hand sanitisers and three brands of remdesivir to be “spurious” (report ID 1313442). All six brands of hand sanitisers were manufactured by a single company and allegedly analysis showed that all were falsified. According to the article the analytical reports reveal that for two of the three remdesivir brands, samples did not contain remdesivir. The Desram brand contained no detectable remdesivir and only dextrose. The Remdac brand, which stated on the label to contain 100mg/20ml injection, had only 0.56 mg/vial and 0.07 mg/vial of remdesivir.

In October 2021, US Customs and Border Protection (US CBP) found shipments from China and Mexico headed to Atlanta, St. Louis and Minnesota that contained the controversial drugs ivermectin and hydroxychloroquine (report ID 1270534). Between January 2020 and the end of July 2021, the US CBP seized nearly 40 million counterfeit face masks, 187,000 FDA-prohibited COVID-19 test kits, and approximately 40,000 tablets of unapproved chloroquine and hydroxychloroquine.

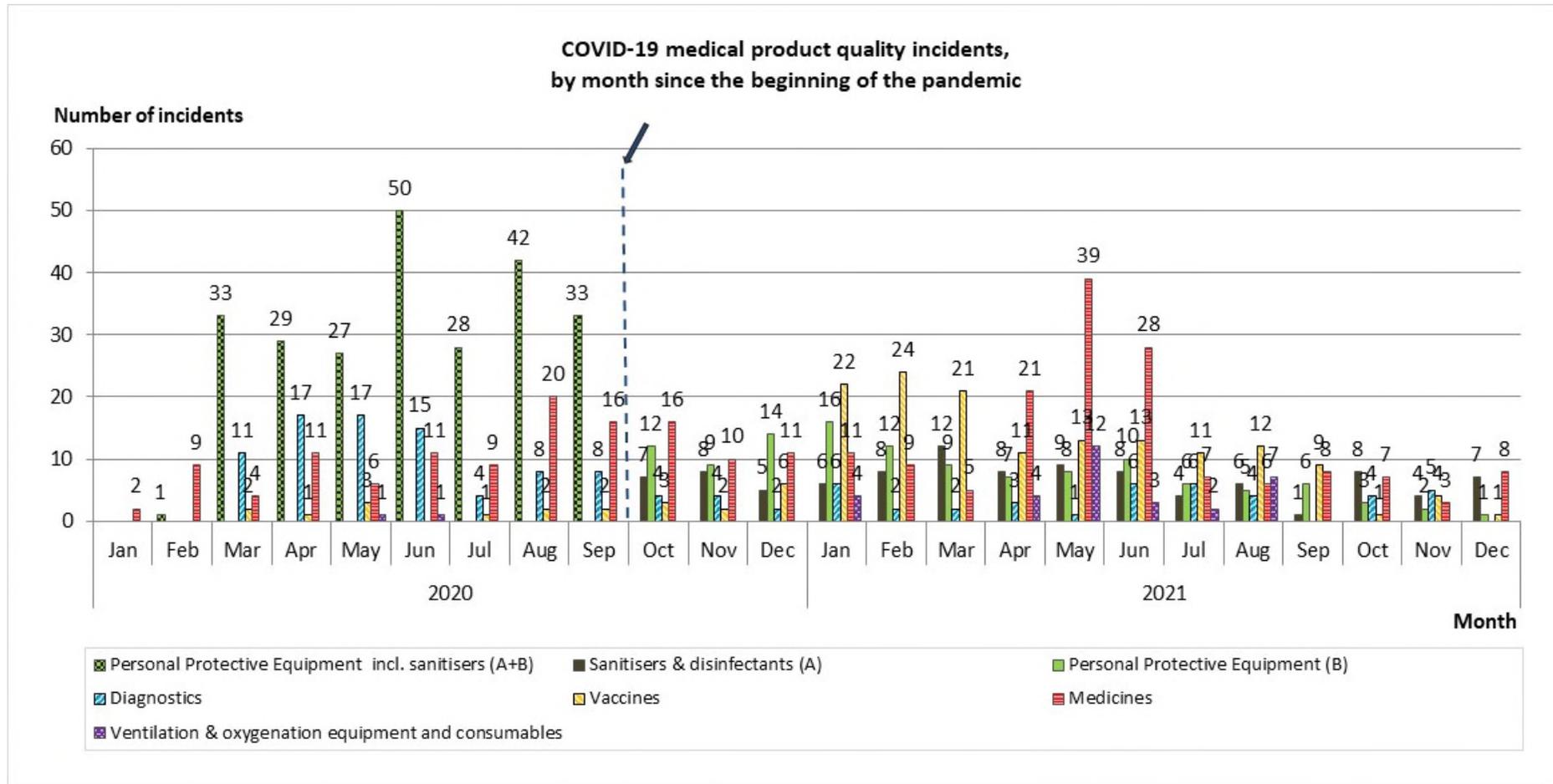


Figure 4. Incidents on the Medicines Quality Monitoring Globe on quality issues with COVID-19 medical products by month.

The arrow indicates the end of September 2020 when the category of ‘Personal Protective Equipment Incl. sanitisers’ was split in two distinct categories: (A) Sanitiser & disinfectants, and (B) Personal Protective Equipment. As some articles describe more than one category of products, the sum of incidents per month may exceed the sum of articles per month reported in Figure 3.

Note (i) since November 2020, non-COVID-19 medicines containing hidden (i.e. unstated) active pharmaceutical ingredients (API) that are used or trialled for COVID-19 are no longer included. Only medicines for which the stated API is used or trialled for COVID-19 treatment are included in this report. The observed decrease of the number of articles in November 2020 can be at least partially due to this change. Note (ii) search terms for COVID-19 vaccines theft and diversion have been added, the observed rise in the number of articles from January 2021 can be at least partially due to this change.

B.1.2. COVID-19 diagnostics

In October 2021, four articles reported on incidents with COVID-19 diagnostics and in November five articles, but we found none for the month of December 2021.

B.1.2.1. Falsified thermometers

In Singapore, a 33-year-old woman was arrested for allegedly selling falsified thermometers online (report ID 1302255). More than 300 trademark-infringing thermometers with a street value of more than S\$14,000 (Singapore Dollar, approximately 10,402.73 USD) were seized by police. The falsified thermometers only showed 37 degrees Celsius. When opened, they were completely hollow on the inside and contained only a chip for the LCD. The falsified thermometers were also sold online in Thailand, prompting Thai authorities to conduct a crackdown on smuggling groups importing the devices.

B.1.2.2. Substandard COVID-19 test kits

Three companies launched recalls of COVID-19 test kits due to false-positive results.

The first company Ellume, an Australian company, recalled about 427,000 COVID-19 at-home tests, out of which nearly 200,000 are unused (report ID 1242382). Due to a manufacturing issue, tests from those lots could produce false-positive results at a higher rate than researchers observed during clinical testing. It does not appear to affect negative results from the tests. Approximately 42,000 of the affected tests were used and produced positive results, both accurate and false. One month after the first recall, Ellume identified additional affected lots, bringing the total affected tests to more than 2 million (report ID 1284248). The article reports that there have been 35 reports of false-positive results sent to the FDA.

The second company, Abbott Molecular, recalled two of its Alinity COVID-19 lab test kits: the 'Alinity m SARS-CoV-2 AMP Kits' and 'Alinity m Resp-4-Plex AMP Kits' (report ID 1254012). During testing, according to Abbott, the mixing parameters could cause a sample in one well of the machine's tray to overflow into another sample well. Overflow into the wells of true negative samples located near positive samples in the tray could result in false-positive results.

Finally, Denka Co. based in Japan, is voluntarily recalling COVID-19 antigen rapid test kits distributed to medical institutions due to the possibility of false-positive results (report ID 1303146). The name of the kit is "QuickNavi - COVID19 Ag" and the suspect lot numbers start from 0750121 and end with 0850121.

B.1.2.3. Unregistered COVID-19 test kits

In Jamaica, 100,000 test kits that had not been approved by the WHO or the FDA had been imported into the country (report ID 1282784). The tests were manufactured in India and were reportedly being sold at a much lower price than other tests on the market. The WHO identified Jamaica and Bahamas as the two countries in the region that were using the test kit, with the possibility of the product being in other Caribbean countries.

In Cambodia, police raided a shop after receiving information that it was selling unlicensed COVID-19 testing kits and medicines (report ID 1288821). According to

the inspection report officers discovered unauthorized products, including 2 cases of COVID-19 rapid test kits.

B.1.2.4. *Diverted COVID-19 test kits*

In Illinois state, USA, there were reports of a burglary of COVID-19 test kits from North-western University (report ID 1292739). Police are investigating the theft of 4,500 COVID-19 test kits from a campus building.

B.1.3. Personal Protective Equipment

The MQM Globe reports on six articles that discuss quality issues with PPE: three in October, two in November and one in December 2021.

B.1.3.1. *Falsified*

Face Masks

In Michigan State, USA, 622,000 falsified N-95 face masks were seized from a warehouse on Detroit's west side (report ID 1261977). The masks were purchased by a hospital system in Michigan under the mistaken belief that they were real. Allegedly a Chinese company sold the masks all over the United States, including New York, Seattle, and Phoenix.

In Bangladesh, a Dhaka court ordered the Police Bureau of Investigation to further investigate the case against the owner of a company, Aparajita International, for allegedly supplying falsified N95 masks to Bangabandhu Sheikh Mujib Medical University (BSMMU) (report ID 1273166). In 2020, Aparajita International won a contract to supply 11,000 N95 masks to the BSMMU. There were no problems with the masks supplied in the first and second batches. According to the case documents, the third lot of 1,000 masks, received on July 2nd, and the fourth lot of 700 masks, received on July 13th, were found to be falsified.

In the United Arab Emirates (UAE), 'criminal gangs' have taken advantage of the COVID-19 pandemic by producing falsified masks and copies of popular sanitiser products (report ID 1310089). According to authorities, there were more than 20 raids on factories producing face masks in the country.

Gloves

According to CNN, tens of millions of falsified and used nitrile gloves from Thailand have reached the USA (report ID 1263794). In February and March 2021, one US company notified US CBP and the US FDA that it had received shipments from a Thai company containing substandard and visibly soiled gloves. Despite this, the Thai company managed to ship tens of millions more gloves in the following months, with some arriving in July. Authorities in both the USA and Thailand are conducting criminal investigations.

B.1.3.2. *Substandard masks*

According to Thailand Consumer Council (TCC), only one-fifth of 60 face mask brands available on the market passed Thai Industrial Standard quality tests (report ID 1304672). The TCC randomly selected for testing 60 face mask brands including 14 kinds of disposable face masks, 27 brands of surgical face masks and 19 different N95 face masks. Testing involved assessing their quality based on filter

efficiency of 0.1 microns and 0.3 microns, air permeability and pressure difference. According to the report, only three brands of disposable face masks met the standard. However, one of them over-claimed the filter quality for 0.1 microns as the result showed its filter was only 97.47% efficient, not 99% as claimed. Only three medical and surgical mask brands *met* the standard, whereas seven N95 brands did.

B.1.4. Sanitisers & disinfectants

The MQM Globe reported nineteen articles that discuss quality issues with sanitisers and disinfectants: eight in October, four in November and seven in December 2021.

B.1.4.1. Falsified hand sanitisers

In the USA, the Attorney General of Massachusetts filed a lawsuit against School Health Corporation for allegedly selling falsified hand sanitiser products worth more than 100,000 USD to several school districts and at least one city, claiming that it could kill the COVID-19 virus (report ID 1304086). According to the complaint the product labelled as ‘Theraworx Protect’, does not contain "*any of the key ingredients in hand sanitiser*" or have a drug facts label. The product also contained colloidal silver, which is not generally recognized as safe and effective for internal or external use, according to the Attorney General.

B.1.4.2. Substandard hand sanitisers

In Brunei, the Ministry of Health announced that 18 types of hand sanitisers alerted by the Health Sciences Authority of Singapore via the ASEAN (Association of Southeast Asian Nations) Post-Market System (PMAS) contained an undeclared chemical exceeding the safety limit (report ID 1238278). The products are not allowed to be imported and sold in Brunei.

‘Criminal gangs’ in the UAE have taken advantage of the COVID-19 outbreak by copying popular sanitisers like Dettol and producing falsified masks (report ID 1310089). Authorities raided more than 50 factories making ‘counterfeit’ Dettol.

In South Africa, a study by the University of Pretoria has found that the majority of the hand sanitisers in the Tshwana area do not contain the recommended 70% alcohol volume (report ID 1310141). Fifty products of different origins and formulations were analysed for their alcohol content using gas chromatography. Only 21 (42%) of the products tested contained at least 70% alcohol; only 14 (28%) of them met the WHO's recommended alcohol content of 80%. The study also found that of the 41 commercial off-the-shelf products analysed, 27 (66%) contained less than 70% alcohol, compared to 13% of homemade products. Only 18% of gel products contained 70% alcohol, compared to 47% of liquid-based products. Most of the products did not contain the appropriate or correct declaration as recommended by the South African National Standards (SANS 289 and 490).

The US FDA added ‘artnaturals’ to the list of contaminated hand sanitisers after detecting cancer-causing chemicals (report ID 1242074). The FDA said it tested certain artnaturals scent-free hand sanitiser labelled with “DIST. by artnaturals Gardena, CA 90248” and found unacceptable levels of benzene, acetaldehyde, and acetal contaminants.

The US FDA published warning letters sent in October, November, and December to three Chinese companies, one Dominican company, four different Mexican companies, two South Korean companies and one American company concerning the quality of their hand sanitisers. The goods coming from outside the USA were detained and refused admission at the border because they were adulterated and not approved by the US FDA. In general, the concentration of ethanol stated on the label was wrong and for some products the active ingredient was wholly or in part substituted with methanol.

- For three Chinese companies, the hand sanitisers were wrongly labelled. The product labelled as from 'GuangZhou YouXing Cosmetic Co. Ltd' contained on average only 35% instead of the stated 75% v/v ethanol (report ID 1250554). For 'Guangzhou Shiruoni Cosmetics Co., Ltd' the product purportedly contains 75% v/v isopropyl alcohol but analysis of the product showed an average of 67% v/v ethanol (report ID 1327364). Hand sanitisers of 'Guangdong Kemei Pharmaceutical Technology Co. Ltd.' were found to contain an average of 35% ethanol v/v and an average of 32% methanol v/v instead of the stated 75% v/v ethanol (report ID 1327363).
- In the Dominican Republic, 'Ardil Comercial S.R.L.' wrongly labelled their hand sanitiser to contain 70% v/v of isopropyl alcohol (IPA) (report ID 1241895). However, FDA laboratory testing of a batch of this product found that the product contained an average of 48% IPA v/v, and an average of 16% ethanol v/v.
- For four Mexican companies, the hand sanitiser was wrongly labelled to contain 70% v/v ethanol, but the ethanol was substituted wholly or in part with methanol. The ratios differ between products and were batch dependent, with the averages for the different companies:
 - 'Limpo Quimicos, SA de CV': 1% ethanol v/v and over 60% methanol v/v (report ID 1241893)
 - 'Healthy Foods & Nutrition Lab de Mexico S.A. de C.V': only 13% v/v ethanol (report ID 1241894)
 - 'Notarika S.A. de C.V': 0% ethanol and 54% of methanol v/v (report ID 1250552)
 - 'Maquiladora Miniara SA de CV': ranging from 1.0% to 49% ethanol v/v and 3.3% to 77% methanol v/v (report ID 1327362).
- For the two companies based in South Korea, US FDA laboratory testing showed a lower percentage of ethanol than stated on the label of the products. For the product labelled as 'AriBio H&B Co., Ltd' it contained an average of only 58% w/v ethanol instead of 70% v/v ethanol (report ID 1258777). For that labelled as 'DongBang Cosmetics Co., Ltd' the hand sanitiser contained an average of only 55% w/w ethanol instead of the stated 62% v/v ethanol (report ID 1274018).
- In the USA, two products labelled as from 'Global Sanitizers LLC' were wrongly labelled to contain 70% v/v ethanol (report ID 1289146). One contained on average 0% ethanol and 58% methanol v/v, and an average of 32% ethanol v/v and 7.4% methanol v/v.

The US FDA issued a warning letter to a US-based company for microbiological contamination in its sanitiser products (report ID 1337732). During the inspection, FDA investigators collected product samples, including FDA Sample number 1148361, which consisted of 3 sub-samples of one-gallon containers of Lite'n Foamy Lemon Blossom Hand Sanitizer (lot 538756, expiring January 2023). FDA's laboratory analysis identified *Burkholderia cepacia* (*B. cepacia*) complex in this lot. In addition, high levels of microbes were recovered from total aerobic microbial count (TAMC) and total yeast and mould count (TYMC) testing of all 3 subsamples.

Chameleon Beverage Co. Inc. dba Chameleon Sanitizer Corporation was issued a warning letter by the US FDA for insanitary conditions and misbranding violations (report ID 1297505). The company violated Current Good Manufacturing Practice (cGMP), according to the investigators, because their hand sanitiser products were prepared, packed, or held in insanitary conditions. Furthermore, 'Alkemi hand sanitizer gel' packaged in 33.8oz containers resembles drinking water bottles commonly purchased by US consumers, which is a misbranding violation under the FDA Act.

B.1.5. COVID-19 medicines

The MQM Globe reports on eighteen articles that discuss quality issues with COVID-19 medicines: seven in October, three in November and eight in December 2021.

B.1.5.1. Falsified COVID-19 medicines

Hydroxychloroquine. An article discusses fake online pharmacies that proliferated during COVID-19 (report ID 1243693). It reports on an incident of a pharmacist in Utah, USA, who was arrested after illegally buying hydroxychloroquine from a wholesaler in China that had mislabelled the controversial drug. Allegedly it is a tactic that is commonly used by wholesalers that sell to non-reputable online pharmacies.

Ivermectin. In Australia, the Therapeutic Goods Administration (TGA) tested several imported products labelled as ivermectin and found that they were falsified (report ID 1318759). The TGA stated that the testing was a warning against purchasing medicines online from untrustworthy sellers and strongly advised against self-medicating with unproven COVID-19 treatments such as ivermectin. The TGA is collaborating with the Australian Border Force to target counterfeit and illegal ivermectin entering the country.

Paracetamol. The Nigeria Customs Service seized imported medicines with falsified registration numbers, including paracetamol branded as Amipara plus (report ID 1327411).

Sildenafil. In the USA, a man was charged with operating vendor pages on darknet marketplaces, selling medicines and other contraband, including pills purporting to be Viagra (report ID 1269412).

Tocilizumab. In India, police arrested an interstate gang peddling falsified cancer medications (report ID 1251452). According to the inspector, Prime Pharma sold around 30 falsified Adcetris injections for Rs 1.1 lakh each (approximately 1,458

USD). Police also seized 24 vials of tocilizumab injections from Prime Pharma during the probe. Samples have been given to the Food and Drug Administration for investigation.

Various active pharmaceutical ingredients.

In Hong Kong, five people were arrested during a series of citywide raids in which they confiscated 1.6 million pills disguised as general goods that had been flown in from India (report ID 1265016). More than 70% of the prescription or controlled medicines, worth HK\$41 million (Hong Kong Dollar, approximately 5.26 million USD), were used to treat erectile dysfunction and contained sildenafil or tadalafil. Tablets used to treat depression and prostate-related illnesses were also seized. The majority of the medicines, according to authorities, were generic, but approximately 60,000 were counterfeit Viagra or Cialis.

In Nigeria, the National Agency for Food and Drug Administration and Control (NAFDAC) reported that its officials raided two warehouses in Lagos and carted away banned pharmaceutical medicines (report ID 1292649). According to the NAFDAC, the banned and falsified medicines in the warehouses included 534 cartons plus 300 packets of Biomal, Artesunate Injection; 188 cartons of Hydra and Black Cobra (sildenafil citrate 200mg); 198 cartons of Super Artesunate Injection and others. The medicines are worth over N3,000,000,000 (Nigerian Naira, approximately 7,220.22 USD). The investigation also revealed that the falsified medicines were imported from China.

B.1.5.2. Substandard COVID-19 medicines

Naproxen. US pharmaceutical companies are recalling multiple products in the US market (report ID 1247381). Glenmark Pharmaceuticals is recalling their products due to cGMP deviations. The recalls included 9,552 bottles of Naproxen Sodium Tablets 265 mg and 31,500 bottles of 550 mg.

Multivitamins. In Ireland, multivitamin products were recalled from the shelves of stores across the country due to the presence of the unauthorised pesticide ethylene oxide (report ID 1312988). The lot number for the 'Beeline Effervescent Multivitamin + Minerals' tablets is 012181QY, while the lot number for the 'Vitamin D3 + Multivitamin Teenager' tablets is 012101Q3. The products are sold in a variety of Irish pharmacies nationwide and in supermarkets.

Remdesivir. In USA, Gilead Sciences Inc. issued a recall of approximately 55,000 vials of remdesivir sold under the brand name Veklury and were distributed to hospitals nationwide in October and November 2021 (report ID 1308398). The vials were recalled due to glass particles contamination.

In May 2021, hospitals across India reported that their patients became ill after receiving remdesivir manufactured by Zydus Cadila (report ID 1329385). Many patients experienced shivering, fever, and shortness of breath. The affected batches included V100153, V100156, V100166, V100167, V100170, and L100148 (a powdered version of remdesivir). Only batch V100167 was tested and found to contain bacterial endotoxins.

Vitamin B. The Nigeria Customs Service has handed over seized expired medicines worth N62.3 million to NAFDAC (report ID 1269831). According to the authority,

there are various medicines including vitamin B such as 817 bottles of B-Vital, 607 bottles of B-care and others.

Various active pharmaceutical ingredients. An article described the results of the monthly random quality tests performed by the Indian Central Drugs Standard Control Organization (CDSCO). We only highlight the medicines that were declared as “Not of Standard Quality” that are used or trialled in the treatment for COVID-19. For November (report ID 1330633), the list contained 22 medicines that were not of standard quality, including telmisartan, clopidogrel, atorvastatin and vitamins. Reasons why the samples were defined as “Not of Standard Quality” were failure of tests on sterility, dissolution, assay and moisture content.

B.1.5.3. Unregistered COVID-19 medicines

Ivermectin. According to professors at Kanazawa University, seven medicines that are not approved in Japan, were being sold online as COVID-19 treatments from April 2020 to March 2021 (report ID 1281735). For example, ivermectin, an antiparasitic medication is being sold online with false claims that it is a “miracle cure.”

Various active pharmaceutical ingredients. A Cambodian shop was raided after police received information that it was selling unlicensed medicines and COVID-19 test kits (report ID 1288821). According to the inspection report, officers discovered unauthorized products, including 13 cases of Lianhua Qingwen Jiaonang (Chinese herbal medicine prescribed for treating COVID-19), and 2 cases of vitamin C.

B.1.5.4. Diverted COVID-19 medicines

Molnupiravir and favipiravir. In Vietnam, COVID-19 antiviral medicines are being sold illegally in Ho Chi Minh City due to a lack of access (report ID 1312355). Residents are looking for molnupiravir or favipiravir online. According to VnExpress's survey, the prices of existing COVID-19 antivirals could range from VND 4 million to 16 million (Vietnamese dong, approximately 176 to 705 USD). The Department of Health has issued a warning about illegal sales of COVID-19 antivirals, which could result in falsified medicines and worsening conditions. In one case, the department worked with the police to raid the Binh Tan District medical station's warehouse to locate 60 missing molnupiravir boxes. According to a pharmacist, 20 boxes had been distributed to quarantine zones, while the remaining 40 boxes are still missing.

B.2. Reports from scientific literature

B.2.1. General

Binder S, Ario AR, Hien H, et al. **African National Public Health Institutes Responses to COVID-19: Innovations, Systems Changes, and Challenges.** *Heal Secur.* 2021;19(5):498-507. doi:10.1089/HS.2021.0094

Extract: "In many countries, the private sector and local companies and entrepreneurs have been helpful, and development of local supply chains is being encouraged. In some cases, local production has been highly successful, for example, in the manufacture of test kits and protective coverings in Ethiopia. In others, however, local entrepreneurs and companies have produced or marketed substandard or counterfeit pharmaceuticals and other products. Some of these entrepreneurs and companies have links to decisionmakers in government, and NPHI leadership is challenged to ensure the quality of recommended or purchased goods and services."

Garcia-Santaolalla N, De Klerk K, Mendez M. **Ensuring Market Supply Transparency for Personal Protective Equipments Preparing for Future Pandemics.**; 2021. Accessed March 30, 2022.

https://www.graduateinstitute.ch/sites/internet/files/2021-10/PPE_Study_CUTS_Team_Phoenix_2021.pdf

Extract: "Severe shortages led to delays of 3-6 months for urgently required PPE, forcing doctors and hospitals to resort to sourcing PPE through personal networks. Many were forced to purchase PPE through unvetted sources without the ability to evaluate quality, leading to a surge in counterfeit products and substantial losses for desperate healthcare providers. The opacity of the PPE supply chain enabled the production and sale of counterfeit PPE to flourish, with over 12.7 million counterfeit N95 masks seized in the US in 2020 alone."

Naughton BD, Akgul E. **Medicine quality in high-income countries: The obstacles to comparative prevalence studies.** *J Med Access.* 2021;5. doi:10.11

Abstract: "The entry of falsified and substandard medicines into the legitimate pharmaceutical supply chain has negative impacts on healthcare systems, patient safety, and patient access to medicine. The COVID-19 pandemic has highlighted the importance of access to safe medicine through legitimate pharmaceutical supply chains and the willingness of criminals to target medical products such as PPE (personal protective equipment) and COVID-19 treatments. In this article, we analyse data from the United Kingdom (UK) national medicine alert and recall database to identify and understand recent cases of substandard and falsified medicine in the UK's healthcare systems. Using the UK as a case study, we describe that national drug alert and recall data are useful in their current form to record and understand cases of substandard and falsified medicines in the supply chain. However, if regulatory agencies published further data, these drug recall databases may be useful to support longitudinal and international comparative medicine quality studies. We suggest that regulatory agencies publish the number of affected medicine packs in each recalled batch, as part of the recall process. This will help policy makers, practitioners, and researchers to better understand, monitor and compare the quality of medicines within legitimate supply chains."

Nyamweya N. [Preprint] **The Quality of Alcohol-Based Hand Sanitizers and Public Health.** *Prepr Res.* Published online November 2021:1-9. doi:10.13140/RG.2.2.36307.71207/1

Abstract. "The COVID-19 pandemic prompted various public health advisories to reduce the transmission of SARS-CoV-2, including a major emphasis on hand hygiene. The latter led to the widespread use of alcohol-based hand sanitizers (ABHS) as a preventative measure. In order to ensure that the benefits derived from the use of these products are not compromised, some key product quality attributes, particular to ABHS, must be carefully controlled in their manufacture. The product attributes of most concern are: 1) ABHS must have correct amount of a permitted alcohol; 2) harmful impurities such as methanol, acetaldehyde and benzene should not be present or must be at levels below set regulatory limits; 3) allergenic ingredients

in ABHS. Recent experience from around the world during the COVID-19 pandemic reveals many instances in which these key quality parameters are not being met. ABHS not meeting quality standards have been the subject of numerous product recalls and in some cases, been associated with serious adverse health effects. Improvements in ABHS monitoring and regulation, especially with regards to constituent raw materials, are urgently needed to address the current situation."

Odiase PO. Recalibrating African health laws to combat substandard and falsified medical products: Beyond COVID-19. *Int J Civ Law Leg Res.*

2021;1(2):1-9. Accessed March 29, 2022. <https://www.civillawjournal.com/>

Abstract: "The multi-faceted problem of substandard and falsified medical-pharmaceutical products remains a loose cannon and a constant threat to the enjoyment of the right to life of the people of Africa. Studies show that one out of every ten medications in circulation within the continent is either substandard or falsified. Sadly, amid the scourge of COVID-19, an upward surge in the volume of substandard and falsified medical-pharmaceutical products in the region was reported. Investigations conducted within the period attributed the prevalence of substandard and falsified medical products in the continent to weak regulatory legal frameworks among other factors. This piece draws from the empirical studies and judging from the transnational nature of the problem of substandard and falsified medical products, canvases for the harmonization of legislative action by African states to aid in curbing the menace of substandard and falsified medical-pharmaceutical products."

Pawluczuk-Bućko P. The Impact of the Pandemic on Economic Crime.

Białostockie Stud Prawnicze. 2021;26(6):71-84. doi:10.15290/BSP.2021.26.06.05

Extract: "In view of the dynamic nature of the pandemic and its global extent, controlling trade in medicinal products, including vaccines, which have become the most sought-after product in the world, has become an absolute priority for the authorities responsible for investigating economic crime. The struggle against time to produce effective vaccines, combined with the public's expectations of rapid and effective success on the part of scientists, undoubtedly influenced the ingenuity of organised crime groups, who turned their interests precisely in this direction. From a criminological point of view, the attractiveness of the pharmaceutical market, in the context of COVID vaccines may change prevailing trends for a long time."

Sazonov V, Piip T, Ombler M, et al. Security challenges during COVID-19: lessons learned and perspectives. *Proceedings.* 2021;20:1-289. Accessed March 30, 2022.

https://digiriiul.sisekaitse.ee/bitstream/handle/123456789/2840/Proceedings_2021.pdf?sequence=5

Extract: "3. Risks in the pharmaceutical sector. The following is a discussion of the risks of fraud and corruption in the pharmaceutical sector worldwide. Having an overview of them strengthens the understanding of the importance of mitigation measures and the need for continuous development. Risks that have arisen in one country may also occur in another, and for this reason it is possible to look at risks in general without distinguishing between countries and to try to find common denominators that can be identified and addressed."

Steingrüber S, Gadanya M. Weak Links: How Corruption Affects the Quality and Integrity of Medical Products and Impacts on the Covid-19 Response.; 2021.

Accessed March 28, 2022. <https://www.u4.no/publications/weak-links-how-corruption-affects-the-quality-and-integrity-of-medical-products-and-impacts-on-the-covid-19-response.pdf>

Extract: "Corruption is involved in poor medical product quality in five important areas: manufacturing and distribution, regulation, procurement, high-level governance, and the health workforce. Existing corruption pressures impact the quality of medicines, and the Covid-19 pandemic has amplified the proliferation of falsified medical products. Innovative and existing anti-corruption approaches concentrate on prevention, detection, and response."

West L, Juneau T, Amarasingam A, eds. **Stress Tested: The COVID-19 Pandemic and Canadian National Security**. University of Calgary Press - LCR Publishing Services; 2021. Accessed March 30, 2022.

https://prism.ucalgary.ca/bitstream/handle/1880/114134/9781773852447_OA.pdf?sequence=1#page=117

Extract: "Securing the Supply Chain. Related to the change in the flows of illicit goods is a series of challenges to the supply chain. In the first instance, there was concern that items coming into Canada, particularly personal protective equipment (PPE), were counterfeit. Unfortunately, while CBSA officers are trained in recognizing contraband, in the spring of 2020, they were less prepared to recognize fraudulent medical and health-related supplies. As one interviewee asked, "How do you know if PPE and testing kits coming into the country are fraudulent? We didn't have this expertise at first." The second issue of concern is the integrity of supply chains, especially as they relate to vaccines. At the time of writing, there was concern that malicious actors may seek to steal vaccines or damage or destroy them. In addition, given the urgency under which authorities are trying to bring vaccines into the country, there is a risk that malicious actors may attempt to exploit this process and use it to bring in contraband."

B.2.2. Seizures/Surveys/Case reports/Reviews

Hirschwald LT, Herrmann S, Felder D, et al. **Discrepancy of particle passage in 101 mask batches during the first year of the Covid-19 pandemic in Germany**. *Sci Rep*. 2021;11(1):1-11. doi:10.1038/s41598-021-03862-z

Abstract: "During the first wave of Covid-19 infections in Germany in April 2020, clinics reported a shortage of filtering face masks with aerosol retention > 94% (FFP2 & 3, KN95, N95). Companies all over the world increased their production capacities, but quality control of once-certified materials and masks came up short. To help identify falsely labeled masks and ensure safe protection equipment, we tested 101 different batches of masks in 993 measurements with a self-made setup based on DIN standards. An aerosol generator provided a NaCl test aerosol which was applied to the mask. A laser aerosol spectrometer measured the aerosol concentration in a range from 90 to 500 nm to quantify the masks' retention. Of 101 tested mask batches, only 31 batches kept what their label promised. Especially in the initial phase of the pandemic in Germany, we observed fluctuating mask qualities. Many batches show very high variability in aerosol retention. In addition, by measuring with a laser aerosol spectrometer, we were able to show that not all masks filter small and large particles equally well. In this study we demonstrate how important internal and independent quality controls are, especially in times of need and shortage of personal protection equipment."

Ng JK, Tay FH, Wray PS, et al. **Inexpensive Portable Infrared Device to Detect and Quantify Alcohols in Hand Sanitizers for Public Health and Safety**. *Anal Chem*. 2021;93(45):15015-15023. doi:10.1021/ACS.ANALCHEM.1C02652

Abstract: "The onset of Covid-19 pandemic has resulted in the exponential growth of alcohol-based hand rub (ABHR)/hand sanitizer use. Reports have emerged of ABHR products containing methanol, a highly toxic compound to humans, exposing users to acute and chronic medical illnesses. While gas chromatography-mass spectrometry (GC-MS) remains the gold-standard method for the detection and identification of impurities in ABHRs, there exist limitations at widespread volume testing. This paper demonstrates the capability of an inexpensive portable pyroelectric linear array infrared spectrometer to rapidly test ABHR and compare the performance with a benchtop Fourier transform infrared spectrometer and HS-GC-MS. Multicomponent partial least square quantification models were built with performance found to be comparable between the two spectrometers and with the HS-GC-MS. Furthermore, the portable spectrometer was field-tested with real-world samples in Malaysia on both retail products (Group A) and freely deployed public dispensers (Group B) between May and November 2020. A total of 386 samples were tested. Only 75.2% of Group A met the criteria of safe and effective ABHR [no detectable methanol and alcohol concentration above 60% (v/v)], while <50% of Group B did. In addition, 7.4 and 18.8% of

Group A and Group B, respectively, were found to contain methanol above permissible limits. The high percentage of sub-standard and methanol-containing samples combined with the frequent use of ABHR by the public highlights the need for and importance of a portable and rapid testing device for widespread screening of ABHR against falsified products and protects the general public."

Yusuf AA, Yusuf A, Baker P. **Determination of alcohols in hand sanitisers: Are off-the-shelf hand sanitisers what they claim to be?** *S Afr J Sci.* 2021;117(11/12):92-98. doi:10.17159/SAJS.2021/9328

Extract: "Fifty products of different origins and formulations obtained off-the-shelf and in public places in and around Pretoria (South Africa) were analysed for their alcohol content using gas chromatography. Ethanol was the most common alcohol used in the products, followed by isopropanol. Only 21 (42%) of the products analysed contained at least 70% alcohol; of these only 14 (28%) met the WHO recommended $80\pm 5\%$ alcohol content to have a virucidal effect on SARS-CoV-2. Of the 41 commercial off-the-shelf products analysed, 27 (66%) contained less than 70% alcohol in comparison to 13% of homemade products. Only 18% of gel products contained 70% alcohol, compared with 47% for liquid-based products. Most of the products did not contain the appropriate or correct declaration as recommended by the South African National Standards (SANS 289 and 490). The proliferation of substandard ABHRs is of great public health concern and calls for stricter regulations and enforcement in order to protect consumers, their rights and well-being during and post the COVID-19 pandemic period. However, in the interim, formulation of ABHRs using the WHO guidelines should be mandatory, as such formulations, when made correctly, do have the required virucidal effect against SARS-CoV-2."

B.2.3. Additional publications from prior to October 2021

Tirivangani T, Alpo B, Kibuule D, Gaeseb J, Adenuga BA. **Impact of COVID-19 pandemic on pharmaceutical systems and supply chain-a phenomenological study.** *Explor Res Clin Soc Pharm.* 2021;2(2021):1-5. doi:10.1016/j.rcsop.2021.100037

Abstract: * *Background.* Resilient pharmaceutical systems and supply chains are critical in the control of COVID-19, a pandemic that has mostly devastated public health systems and livelihoods in resource-limited countries in sub-Saharan Africa.

* *Objective.* To evaluate the impact of COVID-19 on pharmaceutical systems and supply chain in a resource-limited setting.

* *Methods.* A descriptive qualitative survey using a phenomenological approach was conducted among key informants in the public and private pharmaceutical sectors of Namibia. Data were collected on the perceived impact of COVID-19 pandemic on the supply chain, as well as access and availability of essential medicines among the distributors and points of care in the private and public sectors. Qualitative themes of the impact were analyzed using Tesch's approach.

* *Results.* Of the 21 key-informants, 57.1% were female and 85% were from the private versus the public pharmaceutical sector. Overall, key informants reported a negative impact on access and availability of essential medicines, particularly sanitation and hygiene products, and antimicrobials. Most medicine outlets, experienced longer lead times, attributed to reduced inter-country transportation of goods and services and limited in-country capacity and capabilities to manufacture. The main thematic challenges included bureaucratic bottlenecks and lack of emergency readiness of the medicine's logistics supply chain in Namibia.

* *Conclusion.* COVID-19 pandemic aggravated the inequitable access to essential medicines in the public and private sectors of Namibia. Governments in resource-limited countries need to strengthen in-country Private-Public Partnerships as well as regional treaties for Universal Health Coverage in context of the COVID-19 pandemic.

Saha T, Khadka P, Das SC. **Alcohol-based hand sanitizer – composition, proper use and precautions.** *Germs.* 2021;11(3):417. doi:10.18683/GERMS.2021.1278

Extract: "Recommendations. Awareness regarding the composition, hazards and appropriate use of hand sanitizer products can prevent untoward accidents that can happen during preparation, handling, and use of ABHS. Simple yet important considerations for the safe production and use of ABHS are summarized as follows. Regulatory control on 'over the counter' sanitizer products such as ABHS should be a priority to ensure good manufacturing practices are followed and to ensure protection of consumer rights and safety of users. Awareness among users is necessary. Purchasing and use of substandard or counterfeit products should be discouraged, while knowledge sharing on appropriate hand hygiene techniques using ABHS should be promoted. Online news media, social media, television, and radio are excellent platforms for the rapid dissemination of information during a pandemic."

B.3. Reports from international organisations

Europol. **544 arrests and €63 million of fake pharmaceuticals and illegal doping substances seized | Europol.** NEWS. Published December 2021. Accessed January 13, 2022. <https://www.europol.europa.eu/media-press/newsroom/news/544-arrests-and-€63-million-of-fake-pharmaceuticals-and-illegal-doping-substances-seized>

Extract. "Traffickers target mainly non-professional athletes, selling illegal doping substances mostly either through social media accounts or in person. Many athletes from certain sports groups are often interested in doping substances, with products differing from one sport to another depending on the desired enhancement effect. The illegal market of performance-enhancing drugs has remained relatively unchanged, while the amount of COVID-19-related medicinal trafficking has significantly decreased. Law enforcement authorities have intercepted several fraud attempts targeting national bodies, offering medicines and medical devices such as facemasks and sanitisers. At the same time, the widespread availability of COVID-19 vaccines within the legal supply chain created a disadvantageous situation for criminals seeking to feed an illegal market."

Annexes

Annex A. Methodology changes for searches in the lay literature.

We report on incidents that were reported in the lay press. In the introduction (2. Methodology for reporting on the lay literature) we briefly describe the methodology we apply to collect the lay press articles. Changes in methodology since the first 'Medical Product Quality Report – Covid-19 issues' that was published in July 2020 are listed below.¹⁶

Since the October 2020 issue

- Personal protective equipment (PPE), and sanitisers & disinfectants: alerts from January to September 2020 in the PPE category included sanitisers and disinfectants. From October 2020 onwards, we created two distinct categories: sanitizers/disinfectants and other PPE.
- Search terms used to generate the summary MQM Globe-reports: key terms applied to search the Globe database to compile the Globe-reports were revised in October & November 2020. Therefore caution is required when interpreting the number of alerts or articles over time.

Since the November 2020 issue

- COVID-19 medicines: Non-COVID-19 medicines, containing hidden API(s) that are used or trialled for COVID-19 are no longer included in the COVID-19 reports (e.g. hidden sildenafil in sexual enhancement supplements). Only medicines for which the stated API is used or trialled for COVID-19 are included in the COVID-19 report (e.g. falsified 'Viagra'). The observed decrease of the number of articles/alerts over time may at least partially be due to this change.

Since the January 2021 issue

- COVID-19 vaccines:
 - Search terms used for Google News scraping: It is highly likely that diverted vaccines will not be stored appropriately and their use is likely to result in people being unprotected when they think they are. To ensure that the system includes articles that are related to diversion and theft of COVID-19 vaccines from legitimate supply chains, we adapted the search terms for Google News searches linked to COVID-19 vaccines.
 - Inclusion of reports: scams and fraudulent claims are included in the report if involving the direct offer of a COVID-19 vaccine. For all the other product categories,

¹⁶Infectious Diseases Data Observatory. Medical Product Quality Reports. Medical Product Quality Reports. Published 2020. Accessed January 24, 2022. <https://www.iddo.org/mq/research/medical-product-quality-reports>

our reporting policy remains the same, and we do not aim to include discussion of fraudulent claims of efficacy.

- Ventilation & Oxygenation equipment and consumables: We include incidents related to ventilation equipment in the overall article count. In the first Medical Product Quality Report, we reported on two incidents with ventilators (one in May and one in June 2020) but they were not included into the overall count in subsequent reports. From the January 2021 issue onwards the figures for ventilation equipment are included, including those incidents in May and June 2020).

Since the March 2021 issue

- PPE: 'face shield' was added to the search terms used to generate the summary MQM Globe-reports for PPE. Therefore caution is required when interpreting the number of alerts or articles over time.
- COVID-19 medicines:
'Amphotericin' was added to the search terms used to generate the summary MQM Globe-reports for COVID-19 medicine. Although the product is not used as direct treatment for COVID-19 it has been included in the search terms. Amphotericin is used to treat mucormycosis, a fungal infection increasingly reported in patient that previously suffered from COVID-19. Adding Amphotericin to the search terms does not generate bias in the previous reports since the Globe database did not hold any incidents with amphotericin from 1st of January 2020 to 31st of March 2021.

Since the April-May 2021 issue

- Ventilation & Oxygenation equipment and consumables: In the search terms used to generate the summary MQM Globe-reports "pulse oximeter" was replaced by "oximeter" to ensure all relevant articles are included.

Annex B. Table - Articles in lay literature on COVID-19 vaccine quality incidents published in 2020

Between 12th March 2020 and 31st December 2020 we found, excluding duplicates, 22 reports of quality incidents with COVID-19 vaccines. We only report on articles published in the English lay press and present in the online [Medicine Quality Monitoring Globe](#) (MQM Globe) and exclude articles that discuss the same incident (i.e. ‘duplicates’).

Table 4. Articles from 2020 on quality issues with COVID-19 vaccines available in the Medicine Quality Monitoring (MQM) Globe, in chronological order.

Reports date from 12 March 2020 until 31 December 2020. We list here only one report per incident– there are many other reports describing these issues but we have not included them unless they provide additional relevant information. We only included in this table articles from the English lay press.

2020					
Publication date	Location	Product/ organization	Title	MQM Globe report ID	URL ¹⁷
12 March 2020	India	-	Maharashtra: Three held for administering fake coronavirus vaccines	487568	https://www.deccanherald.com/national/west/maharashtra-three-held-for-administering-fake-coronavirus-vaccines-812962.html
23 March 2020	USA	-	US Court Blocks Website Selling Fake #COVID19 Vaccine	497263	https://www.infosecurity-magazine.com/news/us-court-blocks-fake-covid-19/
30 April 2020	USA	-	Man busted for selling fake coronavirus vaccine in Washington	549794	https://mynorthwest.com/1847021/coronavirus-vaccine-scam-washington/
01 May 2020	Online	-	Blood of coronavirus survivors sold on the dark web as ‘makeshift vaccine’	550753	https://www.thescottishsun.co.uk/news/5550884/coronavirus-vaccine-blood-dark-web/
23 May 2020	USA	-	US FDA issues warning letters to two groups for selling fake COVID-19 vaccines	578176	https://www.republicworld.com/world-news/us-news/us-fda-issues-warning-to-two-groups-for-selling-fake-covid-19-vaccines.html
27 May 2020	Ecuador	Migal, The Galilee Research Inst.	Fake Israeli coronavirus vaccine being sold in South America	582392	https://www.jpost.com/health-science/fake-coronavirus-vaccine-with-hebrew-label-being-sold-in-south-america-629416
13 July 2020	USA	-	US attorney shuts down Louisville man’s website advertising fake coronavirus vaccine	646267	https://www.courier-journal.com/story/news/local/2020/07/13/louisville-man-advertised-fake-coronavirus-vaccine/5431942002/
13 August 2020	Online, China	* Sinovac * Wuhan Inst. of Biological Products	Fake pre-orders for coronavirus vaccines found in China	688388	https://www.taiwannews.com.tw/en/news/3987217

¹⁷ Over time some URLs might not work anymore, and in that case one can find a summary/extract of the article [on the online MQM Globe](#) using ‘reportID:XXXXXX’ in the search box.

21 August 2020	Online, China	* Sinopharm * Sinovac	Authorities warn against illegal COVID-19 vaccines and medication sold online	723320	https://www.abc.net.au/news/2020-08-22/border-force-warn-against-importing-coronavirus-vaccines/12581996
11 September 2020	Online	-	Darknet Dealers are Selling COVID-19 Test Kits for Thousands of Dollars	723812	https://www.vice.com/en_us/article/akzpv5/covid-19-rapid-test-kits-for-sale-dark-web
26 September 2020	India	-	Fake COVID-19 Vaccine Manufacturing Unit Busted In Bargarh	742841	https://odishatv.in/odisha-news/fake-covid-19-vaccine-manufacturing-unit-busted-in-bargarh-478473
02 October 2020	Myanmar	-	Myanmar Health Chiefs Warn Against Fake COVID-19 Vaccines	750450	https://www.irrawaddy.com/specials/myanmar-covid-19/myanmar-health-chiefs-warn-fake-covid-19-vaccines.html
13 October 2020	Brazil	Oxford- AstraZeneca	Sales of fake Covid-19 vaccine in Brazil reported	764662	https://www.plenglish.com/index.php?o=rn&id=60698&SEO=sales-of-fake-covid-19-vaccine-in-brazil-reported Accessible duplicate article https://riotimesonline.com/brazil-news/miscellaneous/covid-19/fake-covid-19-vaccine-sold-in-brazils-city-of-niteroi-regulatory-body-alerts/
30 October 2020	Online	-	FDA Warns Of Bogus Coronavirus Vaccines And Treatments Being Sold Online	787356	https://pittsburgh.cbslocal.com/2020/10/30/fda-warns-of-bogus-coronavirus-vaccines-and-treatments-being-sold-online/
11 November 2020	Online	-	Dark Web Has Become a Market place for 'Vaccines' and Other Pandemic Scams	835199	https://www.bloomberg.com/news/articles/2020-11-11/dark-web-has-become-a-marketplace-for-vaccines-and-other-pandemic-scams?sref=Pqfp0AgC
13 November 2020	Online, Australia	* Sinopharm * Sinovac	COVID-19 vaccines selling for \$24k on black market	803482	https://www.noosanews.com.au/news/covid-19-vaccines-selling-for-24k-on-black-market/4139565/
04 December 2020	Online	Pfizer/BioNTech	Darknet Drug Dealers Are Now Selling 'Pfizer COVID Vaccines'	830853	https://www.vice.com/en/article/akdkkg/darknet-drug-dealers-are-now-selling-pfizer-covid-vaccines
11 December 2020	Online	Pfizer/BioNTech	Covid vaccine: Scammers are flogging fake coronavirus jabs on the dark web for £230	841777	https://www.mirror.co.uk/tech/covid-vaccine-scammers-flogging-fake-23151276
21 December 2020	Philippines	Sinopharm	Locsin says reported COVID-19 vaccine in Binondo could be fake, just 'dextrose'	855225	https://www.gmanetwork.com/news/news/nation/768836/locsin-says-reported-covid-19-vaccine-in-binondo-could-be-fake-just-dextrose/story/
23 December 2020	Brazil	Vero Cell, Beijing Institute of Biological Products	Creative Professional Says He Saw Street Vendor Selling a False Vaccine in Rio for \$R50	890939	https://www1.folha.uol.com.br/internacional/en/scienceandhealth/2020/12/street-vendors-sell-fake-vaccine-against-covid-19-for-r-50-in-rio.shtml
28 December 2020	South Africa	-	Interpol notes fake Covid-19 vaccine bust in SA	865724	https://citizen.co.za/news/south-africa/crime/2413293/interpol-notes-fake-covid-19-vaccine-bust-in-sa/
31 December 2020	USA	Moderna	Pharmacist Arrested, Accused Of Destroying More Than 500 Moderna Vaccine Doses	895651	https://www.npr.org/2020/12/31/952536531/pharmacist-arrested-accused-of-destroying-more-than-500-moderna-vaccine-doses?t=1614099235033

Annex C. Report ID information and source articles

This annex contains the reports generated by the Medicine Quality Monitoring Globe (MQM Globe) using pre-defined search terms for each of the six product categories. At the beginning of each MQM Globe-report the pre-defined search terms used to generate the report are displayed.

Only the relevant articles in the MQM Globe-reports were selected for the current COVID-19 report. For each of the report IDs (six or seven digit code) discussed in the sections on 'Articles of incidents in the lay literature', additional information (including the source article) can be found in the MQM Globe reports in Annexes C.1 to C.6 or they are available on the online [MQM Globe](#)¹⁸, when introducing "reportID:XXXXXXX" in the search box.

Annex C.1. Vaccines

Annex C.2. COVID-19 diagnostics

Annex C.3. Personal Protective Equipment

Annex C.4 Sanitisers & disinfectants

Annex C.5 COVID-19 medicines

¹⁸Infectious Diseases Data Observatory. Medicine Quality Monitoring Globe. Web Page. Published 2020. Accessed January 24, 2022. <https://www.iddo.org/medicine-quality-monitoring-globe>

Annex C

C.1. Vaccines

Medicine Quality Monitoring Globe

April 21, 2022



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Translation Disclaimer:

THIS REPORT MAY CONTAIN TRANSLATIONS POWERED BY GOOGLE. GOOGLE DISCLAIMS ALL WARRANTIES RELATED TO THE TRANSLATIONS, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF ACCURACY, RELIABILITY, AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

This Medicine Quality Monitoring Globe report is issued by IDDO, University of Oxford, and some sections, indicated in blue, may have been translated for your convenience using translation software powered by Google Translate. Reasonable efforts have been made to provide an accurate translation, however, no automated translation is perfect nor is it intended to replace human translators. Translations are provided as a service to users of the Medicine Quality Monitoring Globe, and are provided "as is." No warranty of any kind, either expressed or implied, is made as to the accuracy, reliability, or correctness of any translations made from the source language (Chinese, French, Spanish, or Vietnamese) into English.

The official text is the version in the source language (Chinese, French, Spanish, or Vietnamese). Any discrepancies or differences created in the translation are not binding and have no legal effect for compliance or enforcement purposes. If any questions arise related to the accuracy of the information contained in the translated text, refer to the text in the source language (Chinese, French, Spanish, or Vietnamese) which is the official version.

Filters applied for this report

Search

((("AZD1222" OR "Tế bào Vero" OR "BNT162b2"
OR "BBIBP-CorV" OR "Sputnik V" OR "Ad26.COV2.S" OR "mRNA-1273" OR "Corona
aVac" OR "EpiVacCorona" OR "Covishield" OR "Ad5-nCoV" OR "Covaxin") OR (("vắ
c-xin" OR "vaccine") AND ("BioNTech" OR "Johnson & Johnson" OR "Pfizer" OR "Ox
ford/AstraZeneca" OR "Sinopharm" OR "Sinovac" OR "Gamaleya" OR "Moderna" OR
"Pfizer/BioNTech" OR "CanSino" OR "AstraZeneca" OR "Viện huyết thanh Ấn Độ" OR
"Oxford"))) OR (("vắc-xin" OR "vaccine") AND ("COVID-19" OR "SARS-CoV-2" OR
"Coronavirus" OR "SARS" OR "CoV-2" OR "vi rút corona")))) OR (("BNT162b2" OR
"BBIBP-CorV" OR "Ad26.COV2.S" OR "CoronaVac" OR "Covishield" OR "Ad5-nCoV"
OR "AZD1222" OR "FBRI" OR "Sputnik V" OR "mRNA-1273" OR "EpiVacCorona"
OR "Vero Cells" OR "Covaxin") OR ("vaccine") AND ("Barat Biotech" OR "BioN
Tech" OR "Johnson & Johnson" OR "Pfizer" OR "Oxford/AstraZeneca" OR "Serum
Institute of India" OR "Sinopharm" OR "Sinovac" OR "Gamaleya" OR "Moderna" OR
"Pfizer/BioNTech" OR "CanSino" OR "AstraZeneca" OR "Oxford"))) OR ("vaccine")
AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR
"CV-19" OR "SARS" OR "CoV-2")))) OR (("AZD1222" OR "BNT162b2" OR "BBIBP-
CorV" OR "Ad26.COV2.S" OR "mRNA-1273" OR "Sputnik V" OR "CoronaVac" OR
"EpiVacCorona" OR "Covishield" OR "Ad5-nCoV" OR "Covaxin" OR "Cellules Vero")
OR ("Vaccin") AND ("Gamaleia" OR "BioNTech" OR "Johnson & Johnson" OR "Pfizer"
OR "Oxford/AstraZeneca" OR "Bharat Biotech" OR "Sinopharm" OR "Sinovac" OR
"Gamaleya" OR "Moderna" OR "Pfizer/BioNTech" OR "CanSino" OR "AstraZeneca"
OR "Oxford"))) OR ("Vaccin") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2"
OR "Coronavirus" OR "SRAS" OR "CoV-2")))) OR (("AZD1222" OR "BNT162b2" OR
"FBRI" OR "BBIBP-CorV" OR "sputnik v" OR "Células Vero" OR "Ad26.COV2.S"
OR "mRNA-1273" OR "CoronaVac" OR "EpiVacCorona" OR "Covishield" OR "Cov
axin") OR ("vacuna") AND ("Barat Biotech" OR "BioNTech" OR "Johnson & Johnson"
OR "Pfizer" OR "Oxford/AstraZeneca" OR "Sinopharm" OR "Sinovac" OR "Gamaleya"
OR "Moderna" OR "Pfizer/BioNTech" OR "CanSino" OR "AstraZeneca" OR "Oxford"
OR "Instituto Suero de India")) OR ("vacuna") AND ("COVID-19" OR "COVID" OR
"SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SRAS" OR "CoV-2"))))
OR ({("BNT162b2" OR "BBIBP-CorV" OR "Ad26.COV2.S" OR "克尔来福" OR "重组新型冠
状病毒疫苗" OR "Covishield" OR "vero 细胞" OR "AZD1222" OR "FBRI" OR "卫星-V"
OR "mRNA-1273" OR "非洲绿猴肾细胞" OR "Covaxin") OR ("疫苗") AND ("牛津/阿斯
利康" OR "Barat Biotech" OR "辉瑞" OR "牛津" OR "拜恩泰科" OR "阿斯利康" OR "北
京科兴生物制品有限公司" OR "科兴生物" OR "强生" OR "中国医药集团" OR "辉瑞/拜
恩泰科" OR "印度血清研究所" OR "Gamaleya" OR "Moderna" OR "国药" OR "康希诺生
物")) OR ("疫苗") AND ("新冠病毒" OR "武汉新型冠状病毒" OR "非典" OR "SARS" OR
"CoV-2" OR "武汉肺炎" OR "新冠疫情" OR "COVID" OR "COVID-19" OR "新型冠状病毒
肺炎" OR "SARS-CoV-2" OR "新型冠状病毒" OR "新冠"))}}

Start date	2021-10-01
End date	2021-12-31
Language	
Report type	incident
Curation status	validated

1 Medical Product Alert N°6/2021: Falsified Pfizer-BioNTech COVID-19 Vaccine

Publication date	2021-11-04
Create date	2021-11-15
Score	240.26
Report id	1277375
Category	Vaccine
Quality	Falsified
Source	Public and private outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Medical Product Alert N°6/2021: Falsified Pfizer-BioNTech COVID-19 Vaccine World Health Organization

Click here to see the [Original Article](#)

Table 1: Places for report 1277375

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Iran	Islamic Republic of Iran	32	53

Table 2: Drugs for report 1277375

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: This WHO Medical Product Alert refers to one lot of falsified Pfizer-BioNTech COVID-19 Vaccine identified in the Islamic Republic of Iran and reported to WHO in October 2021. The genuine manufacturer of Pfizer-BioNTech COVID-19 Vaccine has confirmed that the product listed in this Alert is falsified. The falsified product was reported at the patient level outside authorized and regulated supply chains and authorized vaccination programmes in the Islamic Republic of Iran. [...] The products identified in this Alert are confirmed as falsified on the basis that they deliberately / fraudulently misrepresent their identity, composition, or source: The product label and artwork are inconsistent with genuine Pfizer-BioNTech COVID-19 Vaccines The expiry date on the labels (09/2021) is falsified and inconsistent with the expiry date on genuine Pfizer-BioNTech COVID-19 Vaccine Lot EH9899 [...]

2 Alerte produit médical N°6/2021

[[Google translate: Medical product alert N ° 6/2021](#)]

Publication date	2021-11-04
Create date	2021-11-14
Score	214.30
Report id	1280580
Category	Vaccine
Quality	Falsified
Source	Not applicable
Curation	Manually curated
Incident or General	Incident

Snippet: Alerte produit médical N°6/2021 Organisation mondiale de la Santé
[[Google translate: Medical product alert N ° 6/2021 World Health Organization](#)]

Click here to see the [Original Article](#)

Table 3: Places for report 1280580

Region Name	Country	Location	Latitude	Longitude
Central Africa	Democratic Republic of the Congo	Democratic Republic of the Congo	-2.5	23.5
Southern Asia	Iran	Islamic Republic of Iran	32	53

Table 4: Drugs for report 1280580

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 5: Other Stories

ID	Title	Link
1286740	Covid-19 : Attention aux faux vaccins Pfizer	Link
1318736	Covid-19 : Attention aux faux vaccins Pfizer	Link

Notes: La présente alerte produit médical de l'OMS concerne un lot falsifié de vaccins Pfizer-

BioNTech contre la COVID-19 qui a été découvert en République islamique d'Iran et signalé à l'OMS en octobre 2021. Le fabricant authentique du vaccin Pfizer-BioNTech contre la COVID-19 a confirmé que le produit faisant l'objet de cette alerte est falsifié. Le produit falsifié a été signalé au niveau des patients, en dehors des chaînes d'approvisionnement autorisées et réglementées et des programmes de vaccination approuvés en République islamique d'Iran. [...] L'étiquette et sa présentation graphique ne correspondent pas à celles des vaccins authentiques de Pfizer-BioNTech contre la COVID-19. La date de péremption figurant sur l'étiquette (09/2021) est falsifiée et ne correspond pas à la date de péremption du lot EH9899 authentique de vaccin Pfizer-BioNTech contre la COVID-19. [...]

[Google translate: This WHO medical product alert concerns a falsified batch of Pfizer-BioNTech COVID-19 vaccine that was discovered in the Islamic Republic of Iran and reported to WHO in October 2021. The genuine manufacturer of the Pfizer vaccine- BioNTech Against COVID-19 has confirmed that the product subject to this alert is adulterated. The falsified product has been reported at the patient level, outside of authorized and regulated supply chains and approved vaccination programs in the Islamic Republic of Iran. [...] The label and its graphic presentation do not match those of genuine Pfizer-BioNTech COVID-19 vaccines. The expiration date on the label (09/2021) is falsified and does not match the expiration date of genuine Pfizer-BioNTech COVID-19 vaccine lot EH9899. [...]]

3 Kenya: Inside Top Secret Covid-19 Vaccine Smuggling Racket - AllAfrica

Publication date	2021-12-06
Create date	2021-12-09
Score	169.99
Report id	1310033
Category	Vaccine
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Kenya: Inside Top Secret Covid-19 Vaccine Smuggling Racket AllAfrica - Top Africa News

Click here to see the [Original Article](#)

Table 6: Places for report 1310033

Region Name	Country	Location	Latitude	Longitude
Eastern Africa	Kenya	Isiolo	0.35462	37.58218
Eastern Africa	Kenya	Nairobi	-1.28333	36.81667
Eastern Africa	Kenya	Marsabit	2.96667	37.6

Table 7: Drugs for report 1310033

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: Corrupt Ministry of Health officials have established an intricate network of cartels that are selling donated Covid-19 vaccines for as much as Sh20,000 per vial, a Sunday Nation investigation has revealed. [...] The Sunday Nation investigation has also discovered that most of the vaccines circulating in the black market are smuggled to Nairobi from government facilities in the north-eastern region. The Ministry of Health has sent thousands of Johnson & Johnson vials to this region because, it reasoned, the lifestyles of the residents and the long distances to vaccination centres would have led to a high second-dose default rate. [...] The elaborate cartel involves unscrupulous doctors and medical workers who have access to the Ministry of Health Chanjo system, where they key in false data on vaccination figures while sourcing for

markets for the vials. At the source, the vaccines are sold for between Sh5,000 and Sh6,000 for vials of AstraZeneca or Johnson & Johnson, while vaccination certificates are sold for as little as Sh1,000. A vial of Johnson & Johnson has five doses and that of AstraZeneca has 12 doses, and these rake in upwards of Sh20,000 in the city.

The Sunday Nation investigation found many sellers offering legitimate documents already registered in the government system. It also encountered sellers in Isiolo and Marsabit who offered 10 vials of the vaccine. [...]

4 Medical Product Alert N°7/2021: Falsified COVID-19 Vaccine AstraZeneca

Publication date	2021-11-04
Create date	2021-11-15
Score	131.16
Report id	1276986
Category	Vaccine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Medical Product Alert N°7/2021: Falsified COVID-19 Vaccine AstraZeneca World Health Organization

Click here to see the [Original Article](#)

Table 8: Places for report 1276986

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Iran	Islamic Republic of Iran	32	53

Table 9: Drugs for report 1276986

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 10: Other Stories

ID	Title	Link
1291437	Falsified vials of AstraZeneca COVID-19 vaccine found in Iran - 2021-11-18	Link
1291452	Falsified vials of AstraZeneca COVID-19 vaccine found in Iran	Link

Notes: This WHO Medical Product Alert refers to falsified COVID-19 VACCINE AstraZeneca (ChAdOx1-S [recombinant]) identified in the Islamic Republic of Iran and reported to WHO in

October 2021. The genuine manufacturer of COVID-19 VACCINE AstraZeneca (ChAdOx1-S [recombinant]) has indicated that the product is falsified. The falsified product was reported at the patient level outside authorized and regulated supply chains and authorized immunization programmes in the Islamic Republic of Iran.

The falsified products are illicitly refilled vials of used and discarded genuine COVID-19 VACCINE AstraZeneca (ChAdOx1-S [recombinant]). The metal cap on samples of these falsified products displays evidence of tampering, indicating the metal cap was removed in order to refill the vials, and later replaced onto the vial. [...]

5 Alerte produit médical N°7/2021 Vaccin anti-COVID-19 AstraZeneca falsifié

[[Google translate: Medical product alert N ° 7/2021 Anti-COVID-19 AstraZeneca falsified vaccine](#)]

Publication date	2021-11-04
Create date	2021-11-16
Score	124.61
Report id	1288273
Category	Vaccine
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Alerte produit médical N°7/2021 Vaccin anti-COVID-19 AstraZeneca falsifié Organisation mondiale de la Santé

[[Google translate: Medical product alert N ° 7/2021 Anti-COVID-19 AstraZeneca falsified vaccine World Health Organization](#)]

Click here to see the [Original Article](#)

Table 11: Places for report 1288273

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Iran	Islamic Republic of Iran	32	53

Table 12: Drugs for report 1288273

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: La présente alerte produit médical de l'OMS concerne un vaccin anti-COVID-19 AstraZeneca (ChAdOx1-S [recombinant]) falsifié qui a été découvert en République islamique d'Iran et signalé à l'OMS en octobre 2021. Le fabricant authentique du vaccin anti-COVID-19 AstraZeneca (ChAdOx1-S [recombinant]) a indiqué que le produit est falsifié. Le produit falsifié a été signalé au niveau des patients, en dehors des chaînes d'approvisionnement autorisées et réglementées et des programmes de vaccination approuvés en République islamique d'Iran. La présente alerte produit médical de l'OMS concerne un vaccin anti-COVID-19 AstraZeneca

(ChAdOx1-S [recombinant]) falsifié qui a été découvert en République islamique d’Iran et signalé à l’OMS en octobre 2021. Le fabricant authentique du vaccin anti-COVID-19 AstraZeneca (ChAdOx1-S [recombinant]) a indiqué que le produit est falsifié. Le produit falsifié a été signalé au niveau des patients, en dehors des chaînes d’approvisionnement autorisées et réglementées et des programmes de vaccination approuvés en République islamique d’Iran.

Ces produits falsifiés résultent du remplissage illicite de flacons usagés et jetés de vaccin authentique AstraZeneca contre la COVID-19 (ChAdOx1-S [recombinant]). Sur les échantillons détectés de ce produit falsifié, la capsule en métal présente des signes d’altération, montrant qu’elle a été enlevée pour remplir le flacon, puis remplacée sur le flacon.

Ces produits falsifiés sont difficiles à repérer, car ils peuvent paraître identiques au vaccin authentique AstraZeneca (ChAdOx1-S [recombinant]). Il existe donc un risque que ces produits soient intégrés de manière illicite ou accidentelle dans la chaîne d’approvisionnement réglementée ou le programme autorisé de vaccination. [...]

[Google translate: This WHO medical product alert concerns a falsified AstraZeneca (ChAdOx1-S [recombinant]) COVID-19 vaccine that was discovered in the Islamic Republic of Iran and reported to WHO in October 2021. The genuine manufacturer AstraZeneca COVID-19 vaccine (ChAdOx1-S [recombinant]) has indicated that the product is adulterated. The falsified product has been reported at the patient level, outside of authorized and regulated supply chains and approved vaccination programs in the Islamic Republic of Iran. This WHO medical product alert concerns a falsified AstraZeneca (ChAdOx1-S [recombinant]) COVID-19 vaccine that was discovered in the Islamic Republic of Iran and reported to WHO in October 2021. The genuine manufacturer AstraZeneca COVID-19 vaccine (ChAdOx1-S [recombinant]) has indicated that the product is adulterated. The falsified product has been reported at the patient level, outside of authorized and regulated supply chains and approved vaccination programs in the Islamic Republic of Iran.

These falsified products result from the illicit filling of used and discarded vials of genuine AstraZeneca vaccine against COVID-19 (ChAdOx1-S [recombinant]). On detected samples of this falsified product, the metal cap shows signs of tampering, showing that it was removed to fill the vial and then replaced on the vial.

These falsified products are difficult to spot because they may appear identical to the genuine AstraZeneca vaccine (ChAdOx1-S [recombinant]). There is therefore a risk that these products will be illicitly or accidentally integrated into the regulated supply chain or the authorized vaccination program. [...]

6 'Human Error' Caused Contamination Of 1.63M Moderna COVID Vaccine Doses In Japan

Publication date	2021-10-01
Create date	
Score	74.81
Report id	1238068
Category	Vaccine
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: 'Human Error' Caused Contamination Of 1.63M Moderna COVID Vaccine Doses In Japan International Business Times

Click here to see the [Original Article](#)

Table 13: Places for report 1238068

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Paris	33.66094	-95.55551

Table 14: Drugs for report 1238068

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes:

7 Germany: Dozens take illegal mystery COVID vaccine before police shut it down

Publication date	2021-11-28
Create date	2022-01-13
Score	64.21
Report id	1321353
Category	Vaccine
Quality	Diverted/Unregistered
Source	Airport
Curation	Manually curated
Incident or General	Incident

Snippet: Germany: Dozens take illegal mystery COVID vaccine before police shut it down DW (English)

Click here to see the [Original Article](#)

Table 15: Places for report 1321353

Region Name	Country	Location	Latitude	Longitude
Europe	Germany	Lübeck	53.86893	10.68729

Table 16: Drugs for report 1321353

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 17: Other Stories

ID	Title	Link
1337288	German Doctor Who Boasted Of Giving 20,000 Home-made Covid Vaccines Under Investigation	Link
1338480	Investigation launched after German doctor administers 20,000 home-made Covid 'vaccines'	Link

Notes: German police had to close down an unauthorized event billing itself as a vaccination center on Saturday after a doctor began administering COVID-19 vaccine shots he had invented

himself, German media reported. The jab, which was developed without any official recognition, was being administered as a vaccination drive at Lübeck airport in the north of Germany. Police said that some 50 individuals appeared to have received the mystery shot, while over 200 more people were in line when the authorities showed up. They seized the liquids, syringes and lists recording who had already been vaccinated that day, as well as the personal data of those present. [...] Stöcker developed his vaccine without any cooperation with regulators. He tested the jab on himself and some 100 volunteers. He then claimed that his vaccine was 97% effective and could be reproduced in large quantities, but he was met with criminal charges. [...] Additional information: ID 1337288 (<https://www.forbes.com/sites/carlieporterfield/2021/11/30/german-doctor-who-boasted-of-giving-20000-homemade-covid-vaccines-under-investigation/?sh=138816064ac9>) Police in Germany have launched an investigation into a millionaire doctor who claims to have developed his own coronavirus vaccine and administered more than 20,000 homemade doses to members of the public without authorization. [...]

8 AstraZeneca vaccines exposed, contaminated

Publication date	2021-10-19
Create date	2021-10-21
Score	62.04
Report id	1259608
Category	Vaccine
Quality	Substandard
Source	Seaport
Curation	Manually curated
Incident or General	Incident

Snippet: AstraZeneca vaccines exposed, contaminated POST-COURIER

Click here to see the [Original Article](#)

Table 18: Places for report 1259608

Region Name	Country	Location	Latitude	Longitude
Melanesia	Papua New Guinea	Madang	-5.21639	145.7987

Table 19: Drugs for report 1259608

Medicine Name	Medicine Class	Action	ATC Code
			J07

Notes: 150 vials of the AstraZeneca vaccine which have been ordered by the Madang Provincial Health Authority last week will not be used as they have been exposed to heat while in Port Moresby and were contaminated on arrival in Madang. [...] "We had the AstraZeneca vaccine but they expired, so we had to order new ones. The new orders are spoilt and cannot be used, so we will be placing another order this week for some more AstraZeneca vaccines," he said. The 150 vials of the AstraZeneca vaccine was the second batch ordered by the provincial health authority, which had undergone the same issues as a previous order, and could not be used for vaccinations. The first of this kind of issue occurred weeks ago when an order was placed for AstraZeneca vaccines, which had to go through Lae, as this was when the Madang airport was still closed. The first 200 vials were spoilt on arrival and could not be used for vaccinations.

9 Fake vaccination racket unearthed in Uttar Pradesh's Unnao district

Publication date	2021-11-11
Create date	2021-11-18
Score	48.72
Report id	1284769
Category	Vaccine
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Fake vaccination racket unearthed in Uttar Pradesh's Unnao district India Today

Click here to see the [Original Article](#)

Table 20: Places for report 1284769

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Unnāo	26.54706	80.48781

Table 21: Drugs for report 1284769

Medicine Name	Medicine Class	Action	ATC Code
			J07

Table 22: Other Stories

ID	Title	Link
1284820	Fake vaccination racket unearthed in Uttar Pradesh's Unnao district	Link
1293868	Fake vaccination racket busted in UP district	Link
1310030	Unnao vaccine racket: 3,000 doses lying in open, false vaccination texts received	Link

Notes: Even as Covid-19 immunisation gains pace in Uttar Pradesh, people in the state's Unnao district have complained of fake vaccination and a huge cache of unregistered doses was found.

The case of fake vaccination was unearthed in Unnao's Miyaganj area, where more than 3,000 vaccine doses were found kept out of cold storage and beneficiaries were incorrectly receiving messages that they were vaccinated.

Around 3,000 vaccine doses meant for the Community Health Center in Miyaganj were recovered under suspicious circumstances at the residence of a private employee. The vaccines were not kept in cold storage. [...] Speaking to India Today, IO Sangeet Patel said that store helper Rani, who used to maintain the vaccine boxes, was asked by CHC superintendent Aftab Ahmed to keep the boxes of vaccine doses at her place. She said she had no idea about what use these shots were put to and was only following the superintendent's orders. [...] The fake vaccination racket came to light after the beneficiary received a message saying that they had received the second dose when they had not been administered it.

Umesh Chandra, 42, who had taken the first dose, told that the second shot was due to be administered on November 7. But even before he reached the center, he received a message on his phone stating that he had been administered the second dose. [...]

10 Pandemic black market putting consumers at risk

Publication date	2021-10-29
Create date	2021-11-08
Score	24.66
Report id	1270534
Category	Medical device for screening/diagnosis/monitoring, Medical devices for disease prevention
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Pandemic black market putting consumers at risk The Denver Channel

Click here to see the [Original Article](#)

Table 23: Places for report 1270534

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Mexico	23	-102

Table 24: Drugs for report 1270534

Medicine Name	Medicine Class	Action	ATC Code
hydroxychloroquine	Aminoquinolines	antimalarials	P01BA02
chloroquine	Aminoquinolines	antimalarials	P01BA01
ivermectin	Other dermatologicals	other dermatological preparations	D11AX22
ivermectin	Avermectines	antiparasitodal agents	P02CF01

Notes: "We were seizing unapproved medications coming from China that were manufactured in clandestine labs," said Christopher Macko, a supervisory officer with U.S. Customs and Border Protection.

He says his officers have been intercepting everything from fake PPE and COVID-19 testing kits to drugs and phony vaccine cards. [...] Between January of last year and the end of July

this year, the agency seized nearly 40 million counterfeit face masks, 187,000 FDA-prohibited COVID-19 test kits, and approximately 40,000 tablets of unapproved chloroquine and hydroxychloroquine. [...]

Annex C

C.2. COVID-19 diagnostics

Medicine Quality Monitoring Globe

April 21, 2022



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Translation Disclaimer:

THIS REPORT MAY CONTAIN TRANSLATIONS POWERED BY GOOGLE. GOOGLE DISCLAIMS ALL WARRANTIES RELATED TO THE TRANSLATIONS, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF ACCURACY, RELIABILITY, AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

This Medicine Quality Monitoring Globe report is issued by IDDO, University of Oxford, and some sections, indicated in blue, may have been translated for your convenience using translation software powered by Google Translate. Reasonable efforts have been made to provide an accurate translation, however, no automated translation is perfect nor is it intended to replace human translators. Translations are provided as a service to users of the Medicine Quality Monitoring Globe, and are provided "as is." No warranty of any kind, either expressed or implied, is made as to the accuracy, reliability, or correctness of any translations made from the source language (Chinese, French, Spanish, or Vietnamese) into English.

The official text is the version in the source language (Chinese, French, Spanish, or Vietnamese). Any discrepancies or differences created in the translation are not binding and have no legal effect for compliance or enforcement purposes. If any questions arise related to the accuracy of the information contained in the translated text, refer to the text in the source language (Chinese, French, Spanish, or Vietnamese) which is the official version.

Filters applied for this report

Search ("Thermometer" OR (("coronavirus kit" OR "RDT" OR "covid test" OR "lateral flow assay" OR "test kit" OR "LFA" OR "COVID kit" OR "Medical device for screening/diagnosis/monitoring" OR "rapid diagnostic test" OR "coronavirus test" OR "antigen test" OR "COVID-19 test" OR "test cassette" OR "In-vitro-diagnostic" OR "cassette test" OR "RT-PCR" OR "IVD" OR "testing kit" OR "qPCR" OR "antibody test" OR "COVID-19 kit" OR "PCR" OR "polymerase chain reaction" OR "ELISA") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SARS" OR "CoV-2"))))

Start date	2021-10-01
End date	2021-12-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	9

1 Abbott recalls COVID-19 home testing kits

Publication date	2021-10-15
Create date	2021-10-18
Score	82.83
Report id	1254012
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Abbott recalls COVID-19 home testing kits ABC 4

Click here to see the [Original Article](#)

Table 1: Places for report 1254012

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 2: Other Stories

ID	Title	Link
1258007	Abbott Labs unit recalling two COVID-19 lab test kits - FDA	Link
1259949	Faulty Abbott Labs COVID-19 Tests Lead Recall	Link
1261712	Abbott recalls COVID test kits over risk of false positives	Link
1274517	Abbott Labs unit recalling two Covid-19 test kits over potential false positive results	Link
1362010	Real-World, Rapid COVID-19 Testing Shows Few False Positives	Link

Notes: Abbott Molecular is recalling two of its Alinity COVID-19 lab test kits due to potential false positive results.

The company is recalling its Alinity m SARS-CoV-2 AMP Kits and Alinity m Resp-4-Plex AMP Kits because they have the potential to issue false positive results when being used to detect the SARS-CoV-2, the virus that causes COVID-19. [...]

2 4,500 COVID Test Kits Stolen From Northwestern University

Publication date	2021-10-26
Create date	2021-11-22
Score	58.82
Report id	1292739
Category	Medical device for screening/diagnosis/monitoring
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: 4,500 COVID Test Kits Stolen From Northwestern University CBS Chicago

Click here to see the [Original Article](#)

Table 3: Places for report 1292739

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Evanston	42.04114	-87.69006

Notes: Northwestern University police are investigating the theft of 4,500 COVID-19 test kits on Monday from a campus building.

Authorities said at around 5:00 there were reports of a burglary from the Foster-Walker Complex located at 1927 Orrington Avenue. The COVID-19 test kits were taken "from a storage room in a common area within the facility," according to the police. [...]

3 Authorities crackdown on store selling unauthorized Chinese medicine and COVID-19 testing kits

Publication date	2021-11-16
Create date	2021-11-19
Score	50.56
Report id	1288821
Category	Herbal medicine, Other, Medical device for screening/diagnosis/monitoring, Vitamin
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Authorities crackdown on store selling unauthorized Chinese medicine and COVID-19 testing kits Khmer Times

Click here to see the [Original Article](#)

Table 4: Places for report 1288821

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Cambodia	Krong Serei Saophoan	13.62114	102.96327

Table 5: Drugs for report 1288821

Medicine Name	Medicine Class	Action	ATC Code
			A11
	Vitamins	i.v. solution additives	B05XC

Notes: A shop in Serei Saophoan was raided by police after a tip-off that it was selling unsanctioned Chinese traditional medicine and Covid-19 testing kits. [...] An official statement said that: in order to prevent the distribution of counterfeit products and improve the quality of local products to protect the health of the people, the Anti-Counterfeit officers investigated the Jing Long Store owned by Chan Kim Leng, a 36-year-old male. Officers discovered unauthorized Chinese traditional medicine and Covid-19 testing kits.

According to the inspection report: officers found 13 cases of Lianhua Qingwen Jiaonang, 2 cases of Vitamin C, and 2 cases of Covid-19 rapid test kits. All of the seized goods were unau-

thorized by relevant authorities. [...]

4 Recall of antigen test kits sent to hospitals, care homes | The Asahi Shimbun: Breaking News, Japan News and Analysis

Publication date	2021-11-09
Create date	2021-11-30
Score	49.37
Report id	1303146
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Recall of antigen test kits sent to hospitals, care homes | The Asahi Shimbun: Breaking News, Japan News and Analysis Asahi Shimbun

Click here to see the [Original Article](#)

Table 6: Places for report 1303146

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	Japan	Tokyo	35.6895	139.69171

Notes: COVID-19 antigen rapid test kits that the government provided to medical institutions are being recalled by the Tokyo-based manufacturer on a voluntary basis, the Ministry of Health, Labor and Welfare announced Nov. 8.

Denka Co., which is headquartered in Chuo Ward, said a material fault found in some kits meant that more people not infected with COVID-19 could be given a false positive result. No serious case of ill-health due to use of the kit has been reported.

The name of the kit is "QuickNavi - COVID19 Ag."

Denka shipped 1.3 million of them last December. They were manufactured at a Denka factory in Gosen, Niigata Prefecture, and the suspect lot numbers start from 0750121 and end with 0850121. [...]

5 BAD BATCH: Govt. trying to track down substandard anti-gen tests

Publication date	2021-11-10
Create date	2021-11-16
Score	45.41
Report id	1282784
Category	Medical device for screening/diagnosis/monitoring
Quality	Diverted/Unregistered
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: BAD BATCH: Govt. trying to track down substandard antigen tests EyeWitness News

Click here to see the [Original Article](#)

Table 7: Places for report 1282784

Region Name	Country	Location	Latitude	Longitude
Americas	Jamaica	Jamaica	18.16667	-77.25
Americas	Bahamas	Commonwealth of The Bahamas	25.04082	-77.37122

Table 8: Other Stories

ID	Title	Link
1283359	COVID-19 test kits not approved by WHO being assessed, Tufton says	Link
1283444	Covid-19 test kits not approved by WHO being assessed	Link

Notes: The government has tracked down several substandard rapid antigen test kits being used in the country, Minister of Health Dr Michael Darville confirmed yesterday. Speaking to reporters outside of Cabinet, Darville said an investigation has been launched after officials were alerted by the Pan American Health Organization (PAHO) that there was a potential presence of unregulated Standard Q COVID-19 Ag in the country.

The rapid tests, which were not approved by the World Health Organization (WHO) or the

United States Food and Drug Administration (FDA), were manufactured in India and were reportedly being sold at a much lower price than other tests on the market. [...] The story broke last week on the Jamaica Observer, which reported that 100,000 test kits not approved by the WHO or the FDA had been imported into the country, in breach of Jamaica's Disaster Risk Management Act (DRMA). [...]

6 Pandemic black market putting consumers at risk

Publication date	2021-10-29
Create date	2021-11-08
Score	39.77
Report id	1270534
Category	Medical device for screening/diagnosis/monitoring, Medical devices for disease prevention
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Pandemic black market putting consumers at risk The Denver Channel

Click here to see the [Original Article](#)

Table 9: Places for report 1270534

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Mexico	23	-102

Table 10: Drugs for report 1270534

Medicine Name	Medicine Class	Action	ATC Code
hydroxychloroquine	Aminoquinolines	antimalarials	P01BA02
chloroquine	Aminoquinolines	antimalarials	P01BA01
ivermectin	Other dermatologicals	other dermatological preparations	D11AX22
ivermectin	Avermectines	antiparasitodal agents	P02CF01

Notes: "We were seizing unapproved medications coming from China that were manufactured in clandestine labs," said Christopher Macko, a supervisory officer with U.S. Customs and Border Protection.

He says his officers have been intercepting everything from fake PPE and COVID-19 testing kits to drugs and phony vaccine cards. [...] Between January of last year and the end of July

this year, the agency seized nearly 40 million counterfeit face masks, 187,000 FDA-prohibited COVID-19 test kits, and approximately 40,000 tablets of unapproved chloroquine and hydroxychloroquine. [...]

7 The Latest: Manufacturer recalling some at-home test kits - KWKT

Publication date	2021-10-05
Create date	2021-10-27
Score	39.51
Report id	1242382
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: The Latest: Manufacturer recalling some at-home test kits KWKT - FOX 44

Click here to see the [Original Article](#)

Table 11: Places for report 1242382

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Melanesia	Australia	Commonwealth of Australia	-25	135

Table 12: Other Stories

ID	Title	Link
1242425	The Latest: Manufacturer recalling some at-home test kits	Link
1242465	FDA Issues Voluntary Recall for Some At-Home COVID Tests Due to False-Positive Results	Link
1243552	Nearly 200000 COVID-19 rapid test kits recalled over concerns of false positives	Link
1245357	Popular COVID-19 home test kits are producing false positives due to manufacturing error, FDA says	Link
1246230	Nearly a half-million COVID-19 home tests recalled for producing false positives	Link
1247275	Popular COVID-19 home test kits are producing false positives due to manufacturing error, FDA says 4State News MO AR KS OK	Link
1247282	DOH opinion sought on COVID-19 home tests	Link

Table 12: Other Stories(continued)

ID	Title	Link
1247520	Manufacturer recalling some at-home COVID-19 test kits	Link
1258806	Australia's Ellume recalls some COVID-19 test kits over false positives	Link
1262078	195000 At-Home COVID Test Kits Recalled Over Concerns of False Positive Results	Link
1262550	COVID test sold at Amazon, CVS, Target recalled after false positives	Link
1262962	NC Coronavirus update October 6: 427,000 at-home COVID 19 tests recalled due to higher-than-expected false positive rate	Link
1264013	Nearly 200K at-home COVID tests recalled for false positives	Link
1264243	Ellume recalls nearly 200,000 at-home COVID-19 test kits : Coronavirus Updates	Link
1264443	Nearly 200,000 Home COVID-19 Tests Were Recalled Due to False-Positive Results	Link
1395629	At-Home COVID-19 Test Recall List	Link
1395863	At-Home COVID-19 Test Recall List Health.com	Link

Notes: COVID-19 test kit maker Ellume is recalling some at-home tests after learning that they were reporting a higher-than-expected rate of false positive results indicating someone has the virus when they do not. The Australian company has said the tests were shipped to U.S. retailers and other distributors from April through August. It published a list on its website of the lot numbers on test packages affected by the recall. The company said about 427,000 tests are in the lots identified in the recall, and nearly 200,000 are unused. Ellume said tests from those lots may provide false positive results at a rate higher than researchers saw during clinical testing. [...] Ellume said about 42,000 affected tests have been used and produced positive results, both accurate and false. That represents about 1% of the 3.5 million tests the company has shipped to the U.S. [...] Additional information: ID 1243552 (<https://abc7chicago.com/nearly-200000-covid-19-rapid-test-kits-recalled-over-concerns-of-f/11089680/>): About 195,000 of these kits are still unused and subject to the recall. About 202,000 have already been used, the company said. Of those, there have been around 42,000 positive results, of which as many as a quarter of those positives could have been inaccurate. However, the company said it's difficult to determine an exact ratio. [...]

8 Over 2 million COVID tests recalled due to false positive concerns

Publication date	2021-11-11
Create date	2021-11-18
Score	33.54
Report id	1284248
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Over 2 million COVID tests recalled due to false positive concerns WJHL-TV News Channel 11

Click here to see the [Original Article](#)

Table 13: Places for report 1284248

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 14: Other Stories

ID	Title	Link
1283856	Ellume's COVID-19 home test recall most serious, FDA says	Link
1284521	2 million COVID home tests recalled for false positives	Link
1284639	More Than 2 Million Ellume Covid-19 Home Tests Recalled Due To False Positives	Link
1284766	Millions of COVID-19 home testing kits made by Aussie company recalled in US	Link
1284846	FDA, Ellume recalling more than 2 million at-home COVID-19 test kits TheHill	Link
1285905	FDA recalls more than TWO MILLION at-home rapid COVID-19 tests after 35 reports of false positives	Link
1285940	More than 2 million Ellume Covid-19 home tests recalled due to false positives :: WRAL.com	Link
1287109	Over 2 million COVID tests recalled due to false-positive concerns	Link

Table 14: Other Stories(continued)

ID	Title	Link
1287223	FDA Recalls 2 Million At-Home COVID Tests From Australia's Ellume Because of 'False Positives'	Link
1287375	US drug agency warns on COVID-19 test kits	Link
1287793	Two Million Ellume Covid Tests Recalled on False Positive Risk	Link
1288589	Coronavirus Updates: Ellume at-home COVID tests recalled due to false positives	Link
1288685	FDA recalls 2.2 million at-home coronavirus tests due to false positives	Link
1289963	FDA recalls 2.2 million Ellume COVID-19 home tests due to false positives	Link
1292122	Millions Of COVID-19 Home Tests Under Recall Due To False Positives	Link
1296188	FDA Expands Recall of Ellume COVID-19 Home Tests	Link
1296238	More Than 2 Million COVID Home Test Kits Recalled Due to False Positive Results	Link
1296422	Home virus tests recalled over false positives reach 2 million kits.	Link
1296462	FDA recalling 2 million Ellume at-home COVID-19 test kits because of false positives	Link
1307241	Potential False Positive Results: Certain Ellume COVID-19 Home Tests	Link
1307355	More than 2 million Ellume Covid-19 home tests recalled due to false positives	Link
1316523	Over 2 million COVID tests recalled due to false positive concerns	Link
1327408	F-Secure uses flaw in at-home COVID-19 test to fake results	Link
1329697	Using a COVID-19 home test? Make sure it's not one of these recalled tests; hundreds have been recalled in Guilford County	Link
1352574	COVID tests handed out in NC county had already been recalled over false positives	Link

Notes: Ellume is recalling its at-home COVID-19 test over the potential of false positive results, the U.S. Food and Drug Administration said. [...] Since that Oct. 5 alert, Ellume has identified additional affected lots, bringing the total affected tests to more than 2 million. [...] There have been 35 reports of false-positive results sent to the FDA, but no deaths have been reported. The reliability of negative test results is not affected.

The FDA is working with Ellume to assess the company's corrective actions.

9 Fake thermometers that only show 37°C sold online, worth more than S\$14000 seized, woman busted

Publication date	2021-11-29
Create date	2021-11-30
Score	10.85
Report id	1302255
Category	Medical device for screening/diagnosis/monitoring
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Fake thermometers that only show 37°C sold online, worth more than S\$14000 seized, woman busted The Independent

Click here to see the [Original Article](#)

Table 15: Places for report 1302255

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Singapore	Republic of Singapore	1.36667	103.8
South-Eastern Asia	Thailand	Kingdom of Thailand	15.5	101
Online	Online	Online	0	0

Notes: A Singapore Police Force (SPF) press release on Sunday (Nov 28) confirmed that a 33-year-old woman was arrested for her suspected involvement in the online sales of the counterfeit goods.

The woman was arrested by the police for her suspected involvement in selling counterfeit thermometers online. On Friday (Nov 26), officers from the Criminal Investigation Department conducted raids at Bedok Reservoir View and Potong Pasir Avenue 1. They seized more than 300 pieces of trademark-infringing thermometers and probe covers, with an estimated street value of more than S\$14,000. [...]

Annex C

C.3. Personal protective equipment

Medicine Quality Monitoring Globe

April 21, 2022



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Translation Disclaimer:

THIS REPORT MAY CONTAIN TRANSLATIONS POWERED BY GOOGLE. GOOGLE DISCLAIMS ALL WARRANTIES RELATED TO THE TRANSLATIONS, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF ACCURACY, RELIABILITY, AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

This Medicine Quality Monitoring Globe report is issued by IDDO, University of Oxford, and some sections, indicated in blue, may have been translated for your convenience using translation software powered by Google Translate. Reasonable efforts have been made to provide an accurate translation, however, no automated translation is perfect nor is it intended to replace human translators. Translations are provided as a service to users of the Medicine Quality Monitoring Globe, and are provided "as is." No warranty of any kind, either expressed or implied, is made as to the accuracy, reliability, or correctness of any translations made from the source language (Chinese, French, Spanish, or Vietnamese) into English.

The official text is the version in the source language (Chinese, French, Spanish, or Vietnamese). Any discrepancies or differences created in the translation are not binding and have no legal effect for compliance or enforcement purposes. If any questions arise related to the accuracy of the information contained in the translated text, refer to the text in the source language (Chinese, French, Spanish, or Vietnamese) which is the official version.

Filters applied for this report

Search	((("Personal protective equipment" OR "PPE" OR "protective glasses" OR "apron" OR "n95" OR "gowns" OR "facemask" OR "visor" OR "gloves" OR "goggles" OR "respirator" OR "KN95" OR "face shield" OR "mask") OR (("Medical devices for disease prevention") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SARS" OR "CoV-2"))))
Start date	2021-10-01
End date	2021-12-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	6

1 Factories making fake Dettol raided as UAE steps efforts to end counterfeit goods trade

Publication date	2021-12-05
Create date	2021-12-09
Score	29.45
Report id	1310089
Category	Medical devices for disease prevention
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Factories making fake Dettol raided as UAE steps efforts to end counterfeit goods trade The National

Click here to see the [Original Article](#)

Table 1: Places for report 1310089

Region Name	Country	Location	Latitude	Longitude
Western Asia	United Arab Emirates	Dubai	25.0657	55.17128

Notes: Criminal gangs in the UAE have exploited the Covid-19 pandemic by making fake masks and copies of popular sanitiser products such as Dettol. [...] Hosted by the Legal Group, it showed how many gangs turned to making personal protective equipment, while the event also helped police and customs officers how to spot genuine products from fakes. "During the pandemic [there were] more than 20 raids on factories producing face masks in the UAE," said Hatem Abdel Ghani, partner at the Dubai law firm. [...]

2 Court orders PBI to further investigate N95 mask scam

Publication date	2021-11-01
Create date	2021-11-08
Score	26.18
Report id	1273166
Category	Medical devices for disease prevention
Quality	Falsified
Source	Distributor/Wholesaler
Curation	Manually curated
Incident or General	Incident

Snippet: Court orders PBI to further investigate N95 mask scam Dhaka Tribune

Click here to see the [Original Article](#)

Table 2: Places for report 1273166

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Bangladesh	Dhaka	23.7104	90.40744

Notes: A Dhaka court on Monday ordered the Police Bureau of Investigation (PBI) for further investigation into the case against Sharmin Jahan, the owner of Aparajita International, for supplying fake N95 masks to Bangabandhu Sheikh Mujib Medical University (BSMMU). [...] In May, the state-run facility decided to start treating Covid-19 patients and went for immediate procurement of safety gears for healthcare workers.

Aparajita International won a contract to supply 11,000 N95 masks.

On June 30, 2020, it supplied the first batch of 1,300 masks and the second lot of 460 was delivered the same day to the BSMMU. The third lot of 1,000 masks were supplied on July 2 and another 700 masks in the fourth lot on July 13.

The masks supplied in the first and second batches did not have any issues, but the third and fourth lots were found to be faulty, according to the case documents.

3 Pandemic black market putting consumers at risk

Publication date	2021-10-29
Create date	2021-11-08
Score	20.92
Report id	1270534
Category	Medical device for screening/diagnosis/monitoring, Medical devices for disease prevention
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Pandemic black market putting consumers at risk The Denver Channel

Click here to see the [Original Article](#)

Table 3: Places for report 1270534

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Mexico	23	-102

Table 4: Drugs for report 1270534

Medicine Name	Medicine Class	Action	ATC Code
hydroxychloroquine	Aminoquinolines	antimalarials	P01BA02
chloroquine	Aminoquinolines	antimalarials	P01BA01
ivermectin	Other dermatologicals	other dermatological preparations	D11AX22
ivermectin	Avermectines	antiparasitic agents	P02CF01

Notes: "We were seizing unapproved medications coming from China that were manufactured in clandestine labs," said Christopher Macko, a supervisory officer with U.S. Customs and Border Protection.

He says his officers have been intercepting everything from fake PPE and COVID-19 testing kits to drugs and phony vaccine cards. [...] Between January of last year and the end of July

this year, the agency seized nearly 40 million counterfeit face masks, 187,000 FDA-prohibited COVID-19 test kits, and approximately 40,000 tablets of unapproved chloroquine and hydroxychloroquine. [...]

4 Most face mask brands fail quality test standards

Publication date	2021-11-30
Create date	2021-12-07
Score	10.08
Report id	1304672
Category	Medical devices for disease prevention
Quality	Substandard
Source	Not applicable
Curation	Manually curated
Incident or General	Incident

Snippet: Most face mask brands fail quality test standards Bangkok Post

Click here to see the [Original Article](#)

Table 5: Places for report 1304672

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Thailand	Kingdom of Thailand	15.5	101

Table 6: Other Stories

ID	Title	Link
1304927	Thailand News Today Substandard masks, PM to decide on Omicron, lingerie worker demands Dec 1	Link
1305053	Thailand clears substandard face masks off markets	Link

Notes: Only a fifth of 60 face mask brands available on the market passed Thai Industrial Standard quality tests, according to the Thailand Consumer Council (TCC). [...] The TCC in July randomly selected for testing 60 face mask brands including 14 kinds of disposable face masks, 27 brands of surgical face masks and 19 different N95 face masks. Testing involved assessing their quality based on filter efficiency of 0.1 micron and 0.3 micron, air permeability and pressure difference to find whether each mask complied with the standard.

[...] Regarding medical and surgical masks, only three of 27 brands passed. They are Nam Ah, Double A Care and TCH. The others that failed are: Next Health, Union Beef, Fidens (dark pink box), Live SEF, Welcare, Nice Mask, Topvalue Bestprice, Medimask, Betex, Fresh Plus (blue box), Kenkou, G lucky, Hyguard, Hi-Care, Fresh Plus (green box), Fresh Plus (blue box), KSG (dark green sachet), KF (sachet), Miss Med, Exta, KF (box), Watsons, Nice Mask (light

green box) and Betex. [...]

5 CNN Investigation: Tens of millions of filthy, used medical gloves imported into the US

Publication date	2021-10-24
Create date	2021-11-01
Score	9.05
Report id	1263794
Category	Medical devices for disease prevention
Quality	Substandard
Source	Clandestine laboratory
Curation	Manually curated
Incident or General	Incident

Snippet: CNN Investigation: Tens of millions of filthy, used medical gloves imported into the US CNN

Click here to see the [Original Article](#)

Table 7: Places for report 1263794

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Thailand	Bangkok	13.75398	100.50144
Americas	United States	United States	39.76	-98.5

Table 8: Other Stories

ID	Title	Link
1264077	CNN Investigation: Tens of Millions of Filthy, Used Medical Gloves Imported Into the US	Link
1264317	US imported tens of millions of used medical gloves from Thailand : Reports	Link
1264781	Thailand vows action against firms exporting used rubber gloves after CNN probe	Link
1265254	Millions of used, substandard medical gloves imported into US: report TheHill	Link
1265481	US imported millions of used, substandard medical rubber gloves from Bangkok: Reports	Link
1265546	Medical gloves worth millions arrive to South Florida from overseas dirty, used and counterfeit	Link

Table 8: Other Stories(continued)

ID	Title	Link
1266081	Millions of Contaminated Disposable Gloves Shipped to US During Pandemic	Link
1266448	Thai company exports 'counterfeit medical gloves'	Link
1267533	Thai government forms panel to probe the export of used medical gloves	Link
1274577	Court hands employee in used gloves case 4 years	Link
1275067	Millions of used gloves made it in to the US during the pandemic	Link
1275363	Thai companies accused of fraud in sales of medical gloves	Link

Notes: [...] A months-long CNN investigation has found that tens of millions of counterfeit and second-hand nitrile gloves have reached the United States, according to import records and distributors who bought the gloves – and that’s just the tip of the iceberg. Criminal investigations are underway by the authorities in the US and Thailand. [...] In February and March this year one US company warned two federal agencies – Customs and Border Protection and the Food and Drug Administration – that it had received shipments filled with substandard and visibly soiled gloves from one company in Thailand. And yet the Thai company managed to ship tens of millions more gloves in the following months, some arriving as recently as July. [...]

6 More than 622,000 counterfeit N-95 masks seized before reaching Metro Detroit hospital system

Publication date	2021-10-01
Create date	2021-10-27
Score	5.58
Report id	1261977
Category	Medical devices for disease prevention
Quality	Falsified
Source	Distributor/Wholesaler
Curation	Manually curated
Incident or General	Incident

Snippet: More than 622,000 counterfeit N-95 masks seized before reaching Metro Detroit hospital system WDIV ClickOnDetroit

Click here to see the [Original Article](#)

Table 9: Places for report 1261977

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Americas	United States	Detroit	42.33143	-83.04575

Notes: Homeland Security investigators seized 622,000 fake N-95 face masks from inside a warehouse on the west side of Detroit. A hospital system in Michigan had purchased the masks under the impression that they were real. That hospital system is now out \$3.5 million.

"These are all counterfeit masks, illegally imported to the United States and substandard – and they can put hospital staff patients of course at risk if they happen to be used," Special Agent in Charge with the Homeland Security, Vance Callender, said. [...]

Annex C

C.4. Sanitisers and disinfectants

Medicine Quality Monitoring Globe

April 21, 2022



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Translation Disclaimer:

THIS REPORT MAY CONTAIN TRANSLATIONS POWERED BY GOOGLE. GOOGLE DISCLAIMS ALL WARRANTIES RELATED TO THE TRANSLATIONS, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF ACCURACY, RELIABILITY, AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

This Medicine Quality Monitoring Globe report is issued by IDDO, University of Oxford, and some sections, indicated in blue, may have been translated for your convenience using translation software powered by Google Translate. Reasonable efforts have been made to provide an accurate translation, however, no automated translation is perfect nor is it intended to replace human translators. Translations are provided as a service to users of the Medicine Quality Monitoring Globe, and are provided "as is." No warranty of any kind, either expressed or implied, is made as to the accuracy, reliability, or correctness of any translations made from the source language (Chinese, French, Spanish, or Vietnamese) into English.

The official text is the version in the source language (Chinese, French, Spanish, or Vietnamese). Any discrepancies or differences created in the translation are not binding and have no legal effect for compliance or enforcement purposes. If any questions arise related to the accuracy of the information contained in the translated text, refer to the text in the source language (Chinese, French, Spanish, or Vietnamese) which is the official version.

Filters applied for this report

Search	("wipes" OR "disinfectant" OR "sanitizer" OR "sanitizing" OR "iodoform" OR "sanitiser")
Start date	2021-10-01
End date	2021-12-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	23

1 Public called to halt use of adulterated hand sanitisers – Borneo Bulletin Online

Publication date	2021-10-01
Create date	2021-10-07
Score	20.49
Report id	1238278
Category	Antiseptic
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Public called to halt use of adulterated hand sanitisers – Borneo Bulletin Online
Borneo Bulletin Online

Click here to see the [Original Article](#)

Table 1: Places for report 1238278

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Singapore	Republic of Singapore	1.36667	103.8
South-Eastern Asia	Brunei Darussalam	Brunei Darussalam	4.5	114.66667

Notes: The Ministry of Health (MoH) yesterday said 18 types of hand sanitisers which have been alerted by the Health Sciences Authority, Singapore through the ASEAN Post-Market System (PMAS), were found to contain an undeclared chemical exceeding the safety limit.

The affected hand sanitisers are: Asepto Professional Hand Sanitiser (60ml) batch number B42M; all batches of Cuticura Hand Sanitizer (50ml) ; all batches of Epi KleenGel Hand Sanitizer Gel (500ml); Guardian Lavender & Passion Flower Antibacterial Hand Sanitiser (250ml) batch number 982KDF; Guardian Aloe & Korean – Mint Antibacterial Hand Sanitiser (50ml) batch number 0D32DF; Kundal Fresh Water Hand Sanitizer+ (500ml) batch number BN227; and all batches of Sanitelle Instant Hand Sanitiser Antiseptic Gel Kids (60ml).

Meanwhile, all batches of Cath Kidston Moisturising Hand Sanitiser (15ml); all batches of Redmoon Bacteriostat Wash Free Hand Wash Gel (60ml); all batches of We11 Daily Instant Hand Sanitiser (60ml); all batches of Cool Day’s Peppermint Instant Hand Sanitiser (70ml); Walch Instant Hand Sanitizer (250ml) batch number TG01; all batches of TP 706 Hand Sanitiser (500ml); and Lifebuoy Instant Hand Sanitiser (50ml) batch number OD13UL are also affected. The statement also listed FairPrice Hand Sanitiser Lavender (60ml) batch number 01251-001;

all batches of Germ-X Advanced Hand Sanitizer Original Scent (354ml); all batches of Sanigen Gel Hand Refreshing Gel (600ml); and all batches of Yuri Hand Gel Green Tea Extract (175ml) as affected products.

The products are not allowed to be imported and sold in Brunei.

2 FDA adds ‘artnaturals’ to list of contaminated hand sanitizers consumers should avoid

Publication date	2021-10-05
Create date	2021-10-07
Score	19.25
Report id	1242074
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: FDA adds ‘artnaturals’ to list of contaminated hand sanitizers consumers should avoid
PennLive

Click here to see the [Original Article](#)

Table 2: Places for report 1242074

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 3: Drugs for report 1242074

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Table 4: Other Stories

ID	Title	Link
1242270	FDA adds ‘artnaturals’ to list of contaminated hand sanitizers consumers should avoid	Link
1243525	FDA Warns of Potential Cancer Causing Ingredients in Hand Sanitizer	Link

Table 4: Other Stories(continued)

ID	Title	Link
1243599	FDA says hand sanitizer brand may be contaminated with cancerous chemicals	Link
1244860	FDA issues new warning against possibly contaminated hand sanitizer	Link
1246090	Stop Using ArtNaturals Hand Sanitizers, FDA Warns After Detecting Cancer-Causing Chemicals	Link
1249760	FDA Warns of Carcinogens in ArtNaturals Hand Sanitizer	Link
1250055	The FDA Warns of Hand Sanitizer Brand With ‘Unacceptable Levels’ of Cancer-Causing Chemicals	Link
1267586	FDA says don’t use this hand sanitizer; may contain cancer-causing chemicals	Link
1282848	Without ability to force recalls, FDA can only warn consumers about benzene in hand sanitizers	Link
1284201	FDA warns against using any ArtNaturals hand sanitizers	Link
1287579	FDA: Hand Sanitizer Recall Due To Contaminants With Cancer Concerns	Link
1290306	Covid warning as hand sanitiser recalled over cancer-causing contamination fears	Link
1402314	Artnaturals Hand Sanitizer Contains ‘Dangerous’ Levels of Carcinogen Benzene, Class Action Alleges	Link

Notes: [...] The FDA said it tested certain ”artnaturals scent-free hand sanitizer labeled with ”DIST. by artnaturals Gardena, CA 90248 and ”found unacceptable levels of benzene, acetaldehyde, and acetal contaminants.” The FDA said that artnaturals ”has not responded” to requests ”to discuss the contaminated hand sanitizers, including identification of the manufacturer, possible recalls, and the scope of the contamination. Therefore, as of October 4, FDA is urging consumers not to use any artnaturals hand sanitizers.” [...]

3 Hand sanitizers that look like water bottles recalled for risk of ingestion

Publication date	2021-11-21
Create date	2021-11-23
Score	18.81
Report id	1294543
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Hand sanitizers that look like water bottles recalled for risk of ingestion silive.com

Click here to see the [Original Article](#)

Table 5: Places for report 1294543

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Staten Island	40.56233	-74.13986

Table 6: Drugs for report 1294543

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: American Screening LLC is recalling 153,336 units of hand sanitizer, containing 70% ethyl alcohol gel, packaged in containers that resemble water bottles and pose a risk of ingestion, according to a recall notice from the U.S. Food and Drug Administration (FDA). [...] The affected hand sanitizer lots include the expiration dates May 21, 2022, and May 24, 2022, for black-capped bottles, and no lot numbers or expiration dates for clear capped bottles. The product can be identified by its shape — a small water bottle — with a black flip top cap or clear cap with blue pouring spout with the weight of measure of eight ounces and UPC code

840050515792.

The sanitizers were sold to customers and distributors nationwide via americanscreeningcorp.com and/or in-house sales. [...]

4 Global Sanitizers LLC - 614124 - 11/08/2021 - 2021-11-16

Publication date	2021-11-16
Create date	2021-11-19
Score	17.66
Report id	1289146
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated

Click here to see the [Original Article](#)

Table 7: Places for report 1289146

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Las Vegas	36.17497	-115.13722

Table 8: Drugs for report 1289146

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] MEDICALLY MINDED Hand Sanitizer Gel Antimicrobial Formula, collected at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product collected during the inspection found that the drug product contained on average 0% ethanol and an average of 58% methanol v/v. Additionally, the drug product MEDICALLY MINDED Hand Sanitizer Gel Antimicrobial with Vitamin E & Moisturizer, purported to be manufactured at your facility, is labeled to contain 70% v/v of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of this batch of this product obtained from the commercial market found that the drug product contained an average of 32% ethanol v/v and an average of 7.4%

methanol v/v. Therefore, these hand sanitizer drug products are adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

5 Guangzhou Shiruoni Cosmetics Co., Ltd - 613170 - 12/07/2021 - 2021-12-21

Publication date	2021-12-21
Create date	2021-12-23
Score	17.26
Report id	1327364
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated/Misbranded

Click here to see the [Original Article](#)

Table 9: Places for report 1327364

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Eastern Asia	China	Guangzhou	23.11667	113.25

Table 10: Drugs for report 1327364

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] IMPACTA HEALTH HAND SANITIZER declared to be manufactured at your facility, is labeled to contain 75% volume/volume (v/v) of the active ingredient isopropyl alcohol (IPA). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average 67% v/v ethanol and 0% IPA. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, IPA, was substituted wholly or in part with ethanol. [...] Additionally,

according to the product label, IMPACTA HEALTH HAND SANITIZER purportedly contains the active ingredient Isopropyl Alcohol 75% v/v. However, FDA laboratory analyses of batches of this product demonstrated that IMPACTA HEALTH HAND SANITIZER does not contain a detectable concentration of isopropyl alcohol. Furthermore, analyses revealed that the product contained concentrations of the undeclared ingredient, ethanol at 66.9% v/v. While ethanol as a sole active ingredient is permitted for use as a consumer or health care personnel antiseptic hand rub, it is not declared on the product label. Thus, the misleading representation of the concentration of the active ingredient isopropyl alcohol and the failure of the product label to disclose the presence of the ethanol in the product cause IMPACTA HEALTH HAND SANITIZER to be misbranded under section 502(a) of the FD&C Act, 21 U.S.C. 352(a). [...]

6 Healey sues Illinois-based company for selling more than \$100,000 worth of fake hand sanitizer to Mass. school districts

Publication date	2021-11-30
Create date	2021-12-06
Score	17.10
Report id	1304086
Category	Antiseptic
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Healey sues Illinois-based company for selling more than \$100,000 worth of fake hand sanitizer to Mass. school districts The Boston Globe

Click here to see the [Original Article](#)

Table 11: Places for report 1304086

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Massachusetts	42.36565	-71.10832

Table 12: Drugs for report 1304086

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Table 13: Other Stories

ID	Title	Link
1304241	Mass Attorney General Sues Distributor For Selling Fake Hand Sanitizer To Schools, Including Framingham – Framingham SOURCE	Link
1304295	Mass AG Sues Company For Allegedly Marketing False Hand Sanitizer	Link
1304305	AG: Company sold more than \$100K of fake hand sanitizer to Mass. schools at start of pandemic	Link
1304347	AG Healey Sues Distributor for Falsely Marketing and Selling Fake Hand Sanitizer to Local Schools	Link
1304416	Suit alleges company sold bogus hand sanitizer to schools	Link
1305229	Suit alleges Illinois company sold bogus hand sanitizer to schools	Link
1305485	Lawsuit Over Fake Hand Sanitizer Sold To Massachusetts Schools	Link
1305530	Suit Alleges Company Sold Bogus Hand Sanitizer to Schools	Link
1305767	AG sues distributor for selling fake hand sanitizer to Nahant and Swampscott schools - Itemlive	Link
1307833	Lawsuit alleges company sold bogus hand sanitizer to New Bedford schools	Link
1308060	AG sues company for selling fake hand sanitizer to school districts in Massachusetts	Link
1310155	Lawsuit alleges company sold bogus hand sanitizer to Mass. schools	Link
1314915	Lawsuit alleges company sold bogus hand sanitizer to schools in Massachusetts	Link
1316881	Massachusetts Attorney General Lawsuit Alleges Company Sold Fake Hand Sanitizer To Schools	Link
1324528	Bridgewater-Raynham and other schools were sold fake hand sanitizer. AG Healey is suing.	Link
1343217	Rolling Meadows company accused of selling bogus hand sanitizer	Link
1352358	Massachusetts sent millions of KN95 masks to schools. Not all of them work as well as advertised.	Link
1364598	Baker, Department Of Education Defend KN95 Masks Given To Massachusetts Teachers	Link

Notes: Massachusetts Attorney General Maura Healey sued an Illinois-based company Monday for allegedly selling a fake hand sanitizer product to several school districts and at least one city, claiming that it could kill the COVID-19 virus. According to the complaint, filed Monday in Suffolk Superior Court, School Health Corporation violated the Massachusetts False Claims Act by asserting that its product could prevent the spread of the coronavirus, despite not containing "any of the key ingredients in hand sanitizer," Healey's office said in a statement on Tuesday.

[...] However, School Health's product, Theraworx Protect, does not contain those ingredients or have a drug facts label. Avadim Health Inc., the product's manufacturer, registered the product as "cosmetic" with the FDA, according to Healey's complaint.

According to Healey, the product also contained colloidal silver. The FDA ruled in 1999 that "products containing colloidal silver ingredients ... for internal or external use are not generally recognized as safe and effective." [...]

7 Notarika, S.A. de C.V. - 609174 - 10/07/2021 - 2021-10-12

Publication date	2021-10-12
Create date	2021-10-13
Score	17.09
Report id	1250552
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 14: Places for report 1250552

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Vista Hermosa	19.51616	-99.22335

Table 15: Drugs for report 1250552

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Greenfrog HAND SANITIZER, a drug product labeled as manufactured by your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient alcohol ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that your Greenfrog HAND SANITIZER contained an average of 0% ethanol and 54% of methanol v/v. Therefore, your hand sanitizer drug products are adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

8 Limpo Quimicos, SA de CV - 608859 - 09/30/2021 - 2021-10-05

Publication date	2021-10-05
Create date	2021-10-07
Score	16.58
Report id	1241893
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 16: Places for report 1241893

Region Name	Country	Location	Latitude	Longitude
Americas	Mexico	General Escobedo	25.79698	-100.31791
Americas	United States	United States	39.76	-98.5

Table 17: Drugs for report 1241893

Medicine Name	Medicine Class	Action	ATC Code
	Antiseptics	throat preparations	R02AA
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Andy's Best ADVANCED HAND SANITIZER, declared to be manufactured at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of batches of this product detained at the border found that this product contained the following: an average of 1.1% ethanol v/v and an average of 63% methanol v/v; an average of 1.2% ethanol v/v and an average of 66% methanol

v/v; and an average of 1.0% ethanol v/v and an average of 63% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...] NeoNatural gel Hand Sanitizer, declared to be manufactured at your facility, is labeled to contain 70% v/v of the active ingredient alcohol (ethanol). However, FDA laboratory testing of this product detained at the border found that the drug product contained an average of only 32% v/v ethanol. The hand sanitizer drug product is adulterated under section 501(c) of the FD&C Act in that the active ingredient of ethanol is present at levels in the product lower than that which is declared on its labeling. [...]

9 Ardil Comercial S.R.L. - 612018 - 09/22/2021 - 2021-10-05

Publication date	2021-10-05
Create date	2021-10-07
Score	16.06
Report id	1241895
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 18: Places for report 1241895

Region Name	Country	Location	Latitude	Longitude
Americas	Dominican Republic	Santo Domingo	18.47186	-69.89232

Table 19: Drugs for report 1241895

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Alcohol Isopropilico Hand Sanitizer Limar, labeled as manufactured at your facility, is labeled to contain 70% of the active ingredient Isopropyl Alcohol (IPA). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average of 48% IPA volume/volume (v/v), and an average of 16% ethanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, IPA, was substituted wholly or in part with undeclared ethanol. [...]

10 Guangdong Kemei Pharmaceutical Technology Co. Ltd. - 612090 - 12/14/2021 - 2021-12-21

Publication date	2021-12-21
Create date	2021-12-23
Score	15.68
Report id	1327363
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 20: Places for report 1327363

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Eastern Asia	China	Shishan	23.12385	113.00875

Table 21: Drugs for report 1327363

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] IMC WASH-FREE HAND SANITIZER, declared to be manufactured at your facility, is labeled to contain 75% of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average 35% ethanol volume/volume (v/v) and an average of 32% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a

dangerous chemical when in contact with human skin or ingested. [...]

11 GuangZhou YouXing Cosmetic Co., Ltd - 610709 - 09/30/2021 - 2021-10-12

Publication date	2021-10-12
Create date	2021-10-13
Score	15.68
Report id	1250554
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 22: Places for report 1250554

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Eastern Asia	China	Guangxi Zhuangzu Zizhiqu	24	109

Table 23: Drugs for report 1250554

Medicine Name	Medicine Class	Action	ATC Code
	Antiseptics	throat preparations	R02AA
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] V&W ADVANCE HAND SANITIZER REFRESHING GEL (240ml/8oz), labeled as manufactured at your facility, is labeled to contain 75% volume/volume (v/v), of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average of only 35% v/v

ethanol. This hand sanitizer drug product is adulterated under section 501(c) of the FD&C Act in that the active ingredient of ethanol is present at levels in the product lower than that which is declared on its labeling. [...]

12 DongBang Cosmetics Co., Ltd. - 610364 - 10/22/2021 - 2021-11-02

Publication date	2021-11-02
Create date	2021-11-08
Score	15.68
Report id	1274018
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Unapproved New Drug/Misbranded/Adulterated

Click here to see the [Original Article](#)

Table 24: Places for report 1274018

Region Name	Country	Location	Latitude	Longitude
Western Asia	Republic of Korea	Incheon	37.45646	126.70515
Americas	United States	United States	39.76	-98.5

Table 25: Drugs for report 1274018

Medicine Name	Medicine Class	Action	ATC Code
	Antiseptics	throat preparations	R02AA
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] MISSY KAY Premium Hand Sanitizer, manufactured at your facility, is labeled to contain 62% weight/weight (w/w) of the active ingredient alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average of only 55% w/w ethanol. This hand sanitizer drug product is adulterated under section 501(c) of the FD&C Act in that the active ingredient of ethanol is present at levels

in the product lower than that which is declared on its labeling. [...]

13 AriBio H&B Co., Ltd. - 613107 - 10/08/2021 - 2021-10-19

Publication date	2021-10-19
Create date	2021-10-20
Score	15.68
Report id	1258777
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated/Misbranded

Click here to see the [Original Article](#)

Table 26: Places for report 1258777

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Western Asia	Republic of Korea	Jecheon-si	37.06206	128.14065

Table 27: Drugs for report 1258777

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Hand Sanitizer Original, labeled as manufactured at your facility, is labeled to contain 70% weight by volume (w/v) of the active ingredient anhydrous ethanol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average of only 58% w/v ethanol. This hand sanitizer drug product is adulterated under section 501(c) of the FD&C Act in that the active ingredient of ethanol is present at levels in the products lower than that which is declared on their labeling. [...]

14 Chameleon Beverage Co. Inc. dba Chameleon Sanitizer Corporation - 615066 - 09/24/2021 - 2021-11-24

Publication date	2021-11-24
Create date	2021-11-26
Score	15.33
Report id	1297505
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated

Click here to see the [Original Article](#)

Table 28: Places for report 1297505

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Commerce	34.00057	-118.15979

Table 29: Drugs for report 1297505

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] This warning letter summarizes significant violations of Current Good Manufacturing Practice (CGMP) regulations for finished pharmaceuticals. See Title 21 Code of Federal Regulations (CFR), parts 210 and 211 (21 CFR parts 210 and 211).

Because your methods, facilities, or controls for manufacturing, processing, packing, or holding do not conform to CGMP, your drug products are adulterated within the meaning of section 501(a)(2)(B) of the Federal Food, Drug, and Cosmetic Act (FD&C Act), 21 U.S.C. 351(a)(2)(B).

In addition, ALKEMI HAND SANITIZER GEL packaged in 33.8oz containers is misbranded under section 502(i) of the FD&C Act, 21 U.S.C. 352(i). Introduction or delivery for introduction of such products into interstate commerce is prohibited under sections 301(a) of the FD&C Act, 21 U.S.C. 331(a). This violation is described in more detail below. [...]

15 Maquiladora Miniara SA de CV - 609152 - 12/15/2021 - 2021-12-21

Publication date	2021-12-21
Create date	2021-12-23
Score	14.66
Report id	1327362
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated/Unapproved New Drug

Click here to see the [Original Article](#)

Table 30: Places for report 1327362

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Mexico	23	-102

Table 31: Drugs for report 1327362

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] Shine and clean Hand Sanitizer Gel, labeled as being manufactured at your facility, is labeled to contain 70% of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found the drug product to contain an average of 2.2% ethanol, 43% methanol and 15% isopropanol volume/volume (v/v FDA laboratory testing of a second batch of this product detained at the border found the drug product to contain an average of 1.0% ethanol and 77% methanol v/v. FDA laboratory testing of a third

batch of this product detained at the border found the drug product to contain an average of 49% ethanol, 3.3% methanol, and 9% isopropanol. FDA laboratory testing of a fourth batch of this product detained at the border found the drug product to contain an average of 1% ethanol and 75% methanol v/v. Therefore, this hand sanitizer drug product is adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

16 Healthy Foods & Nutrition Lab de Mexico S.A. de C.V. - 609608 - 09/29/2021 - 2021-10-05

Publication date	2021-10-05
Create date	2021-10-07
Score	12.95
Report id	1241894
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Unapproved New Drugs/Misbranded

Click here to see the [Original Article](#)

Table 32: Places for report 1241894

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Cuautitlán	19.67052	-99.17989

Table 33: Drugs for report 1241894

Medicine Name	Medicine Class	Action	ATC Code
	Antiseptics	throat preparations	R02AA
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] HF& NLab VERIO HEALTHCARE ALCOHOL ANTISEPTIC TOPICAL SOLUTION, labeled as manufactured at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient alcohol (ethanol). However, FDA laboratory testing of a batch of this product detained at the border found that the drug product contained an average of only 13% v/v ethanol. This hand sanitizer drug product is adulterated under section 501(c) of the

FD&C Act in that the active ingredient of ethanol is present at levels in the product lower than that which is declared on its labeling. [...]

17 Tshwane residents using dodgy hand sanitisers – study

Publication date	2021-12-06
Create date	2021-12-09
Score	12.28
Report id	1310141
Category	Antiseptic
Quality	Substandard
Source	Not applicable
Curation	Manually curated
Incident or General	Incident

Snippet: Tshwane residents using dodgy hand sanitisers – study Citizen

Click here to see the [Original Article](#)

Table 34: Places for report 1310141

Region Name	Country	Location	Latitude	Longitude
Southern Africa	South Africa	Gauteng	-26.08333	28.25

Table 35: Drugs for report 1310141

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01
isopropanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX05

Table 36: Other Stories

ID	Title	Link
1310311	Sanitisers sold in Tshwane not up to standard, study finds	Link
1311950	Low alcohol, commercial hand sanitisers found to be sub-standard	Link

Table 36: Other Stories(continued)

ID	Title	Link
1312508	Concern as alcohol-based sanitisers in Pretoria’s commercial sector found sub-standard	Link
1312596	COVID-19 LIVE UPDATES Hand sanitisers in and around Tshwane are substandard, study finds	Link
1312709	Hand sanitisers in and around Tshwane are substandard, study finds	Link
1316950	More than half of hand sanitisers lie about alcohol content — so make your own	Link

Notes: As Tshwane battles an outbreak of the Omicron variant, a University of Pretoria (UP) scientist has found that the majority of the city’s hand sanitisers do not contain the recommended 70% alcohol volume. [...] Yusuf said 50 products of different origins and formulations were obtained off the shelf and in public places in and around Tshwane were analysed for their alcohol content using gas chromatography. [...] The study found that of the 41 commercial off-the-shelf products analysed, 27 (66%) contained less than 70% alcohol in comparison to 13% of homemade products.

Only 18% of gel products contained 70% alcohol, compared with 47% for liquid-based products. Most of the products did not contain the appropriate or correct declaration as recommended by the South African National Standards (SANS 289 and 490). [...]

18 Brands of Remdesivir and hand sanitisers continue to be on top of spurious drugs

Publication date	2021-12-08
Create date	2021-12-14
Score	7.08
Report id	1313442
Category	Antiviral others, Antiseptic
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Brands of Remdesivir and hand sanitisers continue to be on top of spurious drugs The Hitavada

Click here to see the [Original Article](#)

Table 37: Places for report 1313442

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79

Table 38: Drugs for report 1313442

Medicine Name	Medicine Class	Action	ATC Code
remdesivir	Nucleosides and nucleotides excl. reverse transcriptase inhibitors	direct acting antivirals	J05AB16

Notes: Six brands of hand sanitisers and three brands of Remdesivir have been declared as 'spurious' by the Government analyst of Food and Drugs Administration (FDA) during the past 14 days from November 25 to December 7. From June 2021, brands of Remdesivir and hand sanitisers continue to lead in 'Not of Standard' drug reports issued by Government Analyst of FDA Maharashtra. 'The Hitavada' has been monitoring the public analytical reports constantly since June 2021. In present time of pandemic, the quality and standard of hand sanitisers and highly promoted and hyped drug Remdesivir is a cause of concern, considering the public analyst reports. [...] The analytical reports of sample sent on June 10 was published

by FDA on public domain on November 26, while that of samples sent on May 6, 2021 was published on November 25. The analytical reports have found that out of the samples of three brands, samples of two brands did not give identification test for the presence of Remdesivir. This means the main drug remdesivir drug has been missing in these samples. Desram - the brand declared as spurious contained no remdesivir but had only dextrose. While two brands Remdac seized from Buldana showing content of Remdesivir on label as 100mg/20ml injection (means 5 mg/ml), had only 0.56 mg/vial and 0.07 mg/vial Remdesivir content instead of 100mg mg/20ml. Surprisingly, one brand had amoxicillin 94.628 mg per vial and other had 79.33 mg per vial. All these four brands were supplied to hospitals and institutions as they were manufactured for hospitals and institutions only. [...]

19 Spartan Chemical Company, Inc. - 614450 - 12/15/2021 - 2021-12-28

Publication date	2021-12-28
Create date	2022-01-04
Score	6.79
Report id	1337732
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated

Click here to see the [Original Article](#)

Table 39: Places for report 1337732

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Maumee	41.56283	-83.65382

Notes: [...] During the course of your inspection, FDA investigators collected drug product samples, including FDA Sample number 1148361, which consisted of 3 sub-samples of one-gallon containers of Lite'n Foamy Lemon Blossom Hand Sanitizer (lot 538756, expiring January 2023). FDA's laboratory analysis identified *B. cepacia* complex in this lot. In addition, high levels of microbes were recovered from total aerobic microbial count (TAMC) and total yeast and mold count (TYMC) testing of all 3 sub samples. These results significantly exceeded your finished product specification of (b)(4) colony forming units (CFU)/mL and (b)(4) CFU/mL, respectively. For example, TAMC counts were as follows: sub-sample 1 contained (b)(4) TAMC/mL, sub-sample 2 contained (b)(4) TAMC/mL, and sub-sample 3 contained (b)(4) TAMC/mL. TYMC counts were as follows: sub sample 1 contained (b)(4) TYMC/mL, sub sample 2 contained (b)(4) TYMC/mL, and sub sample 3 contained (b)(4) TYMC/mL. Your firm collected samples in tandem with our investigators and your contract laboratory obtained similar results. These sample results demonstrate that the drug products produced at your facility are manufactured under insanitary conditions, causing them to be adulterated under section 501(a)(2)(A) of the FDCA. [...]

20 UPDATE: Potential Risk of Infection When Using Heater-Cooler Devices – Letter to Health Care Providers - 2021-10-13

Publication date	2021-10-13
Create date	2021-10-14
Score	4.94
Report id	1252104
Category	Medical device for screening/diagnosis/monitoring
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: The FDA provides updated information from our ongoing evaluation of NTM infections in patients who have had cardiothoracic surgery using heater-cooler devices.

Click here to see the [Original Article](#)

Table 40: Places for report 1252104

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 41: Other Stories

ID	Title	Link
1252112	UPDATE: Potential Risk of Infection When Using Heater-Cooler Devices – Letter to Health Care Providers	Link

Notes: [...] Two heater-cooler manufacturers (CardioQuip and Gentherm Medical LLC) announced voluntary recalls for updated labeling with interim mitigation strategies to help reduce the risk of NTM infections in patients when using these devices, while these manufacturers complete further testing for cleaning and disinfection validation, and aerosolization. [...] Two manufacturers (Terumo and Maquet) announced voluntary recalls to tell facilities to discontinue use of their heater-cooler devices because these manufacturers will not be pursuing a cleaning and disinfection protocol that addresses the risks of NTM infection. [...]

21 Marcus Research Laboratory, Inc. - 615153 - 09/30/2021 - 2021-10-19

Publication date	2021-10-19
Create date	2021-10-20
Score	4.75
Report id	1258778
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Active Pharmaceutical Ingredient (API)/Adulterated

Click here to see the [Original Article](#)

Table 42: Places for report 1258778

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Saint Louis, MO-IL Metro Area	38.73525	-90.3501

Table 43: Drugs for report 1258778

Medicine Name	Medicine Class	Action	ATC Code
povidone-iodine	Iodine products	antiseptics and disinfectants	D08AG02
povidone-iodine	Medicated dressings with antiinfectives	medicated dressings	D09AA09
povidone-iodine	Medicated shampoos	other dermatological preparations	D11AC06
povidone-iodine	Other antiinfectives and antiseptics	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AX11
povidone-iodine	Antiseptics	throat preparations	R02AA15
povidone-iodine	Other antiinfectives	antiinfectives	S01AX18

Notes: [...] This warning letter summarizes significant deviations from current good manufacturing practice (CGMP) for active pharmaceutical ingredients (API).

Because your methods, facilities, or controls for manufacturing, processing, packing, or holding do not conform to CGMP, your API are adulterated within the meaning of section 501(a)(2)(B) of the Federal Food, Drug, and Cosmetic Act (FD&C Act), 21 U.S.C. 351(a)(2)(B). [...]

22 Factories making fake Dettol raided as UAE steps efforts to end counterfeit goods trade

Publication date	2021-12-05
Create date	2021-12-09
Score	4.61
Report id	1310089
Category	Medical devices for disease prevention
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Factories making fake Dettol raided as UAE steps efforts to end counterfeit goods trade The National

Click here to see the [Original Article](#)

Table 44: Places for report 1310089

Region Name	Country	Location	Latitude	Longitude
Western Asia	United Arab Emirates	Dubai	25.0657	55.17128

Notes: Criminal gangs in the UAE have exploited the Covid-19 pandemic by making fake masks and copies of popular sanitiser products such as Dettol. [...] Hosted by the Legal Group, it showed how many gangs turned to making personal protective equipment, while the event also helped police and customs officers how to spot genuine products from fakes. "During the pandemic [there were] more than 20 raids on factories producing face masks in the UAE," said Hatem Abdel Ghani, partner at the Dubai law firm. [...]

23 Court Enjoins California Company from Manufacturing and Distributing Adulterated Sterile Animal Drugs

Publication date	2021-11-22
Create date	2021-11-24
Score	3.49
Report id	1295501
Category	Veterinary medicines
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Court Enjoins California Company from Manufacturing and Distributing Adulterated Sterile Animal Drugs Department of Justice

Click here to see the [Original Article](#)

Table 45: Places for report 1295501

Region Name	Country	Location	Latitude	Longitude
Americas	United States	California	37.25022	-119.75126

Table 46: Other Stories

ID	Title	Link
1298903	Court Enjoins Pomona, California Company from Manufacturing and Distributing Adulterated Sterile Animal Drugs That Fell Short of Minimum Regulatory Requirements	Link

Notes: A federal court enjoined a California company from distributing adulterated sterile animal drugs in violation of the Federal Food, Drug and Cosmetic Act (FDCA), the Department of Justice announced.

In a complaint filed on Oct. 27, 2020 in the Central District of California, the United States alleged that multiple inspections by the U.S. Food and Drug Administration (FDA) repeatedly showed that Med-Pharmex Inc. (MPX) manufactured and distributed animal drugs under conditions that fell short of the minimum regulatory requirements to ensure safety and quality, including a failure to maintain sterility. According to the complaint, the FDA issued a warning

letter to MPX in 2017 regarding numerous deficiencies found at the company. The complaint further alleged that the company failed to adequately investigate reports regarding the death or illness of animals receiving certain MPX drugs, and failed to properly clean and disinfect areas used to manufacture sterile drugs, as required by the FDCA. MPX and company president Gerald P. Macedo agreed to settle the suit and to be bound by a consent decree of permanent injunction that resolves the case. [...]

Annex C

C.5. COVID-19 medicines

Medicine Quality Monitoring Globe

April 21, 2022



This is a summary of the information available in the Medicine Quality Monitoring Globe for the search terms selected between the dates selected. For more information on the terminology used, caveats and the work of the medicine quality group please see the information at: <https://www.iddo.org/medicine-quality>

Non-Curated reports are those that have been automatically flagged as relevant by the system but have not been manually curated by the curators.

We would be grateful for any feedback on this summary and for the details of any reports that we may have missed.

Translation Disclaimer:

THIS REPORT MAY CONTAIN TRANSLATIONS POWERED BY GOOGLE. GOOGLE DISCLAIMS ALL WARRANTIES RELATED TO THE TRANSLATIONS, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF ACCURACY, RELIABILITY, AND ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.

This Medicine Quality Monitoring Globe report is issued by IDDO, University of Oxford, and some sections, indicated in blue, may have been translated for your convenience using translation software powered by Google Translate. Reasonable efforts have been made to provide an accurate translation, however, no automated translation is perfect nor is it intended to replace human translators. Translations are provided as a service to users of the Medicine Quality Monitoring Globe, and are provided "as is." No warranty of any kind, either expressed or implied, is made as to the accuracy, reliability, or correctness of any translations made from the source language (Chinese, French, Spanish, or Vietnamese) into English.

The official text is the version in the source language (Chinese, French, Spanish, or Vietnamese). Any discrepancies or differences created in the translation are not binding and have no legal effect for compliance or enforcement purposes. If any questions arise related to the accuracy of the information contained in the translated text, refer to the text in the source language (Chinese, French, Spanish, or Vietnamese) which is the official version.

Filters applied for this report

Search ("tranilast" OR "interleukin-2" OR "INC424" OR "TNKase" OR "nitazoxanide" OR "LY3832479" OR "baloxavir" OR "interleukin-7" OR "Kineret" OR "ritonavir" OR "Crizanlizumab" OR "Apixaban" OR "cyclosporin" OR "losartan" OR "ATI-450" OR "nitrogen monoxide" OR "tirofiban" OR "Ebselen" OR "corbistadine" OR "atorvastatin" OR "Eicosapentaenoic" OR "nitrite" OR "Riamilovir" OR "black cumin" OR "NK-1R" OR "Pemziviaptadil" OR "colchicine" OR "Lithium" OR "Vancomycin" OR "Broncho-Vaxom" OR "ramipril" OR "Teicoplanin" OR "tofacitinib" OR "budesonide" OR "Paracetamol" OR "dipyridamole" OR "levamisole" OR "atovaquone" OR "Senicapoc" OR "covid drug" OR "enoxaparin" OR "Brequinar" OR "povidone-iodine" OR "levilimab" OR "degarelix" OR "LY3819253" OR "Sofusbovir" OR "masitinib" OR "Omega-3" OR "INM005" OR "RBT-9" OR "deferoxamine" OR "canakinumab" OR "Ramelteon" OR "chlorpromazine" OR "selinexor" OR "Piclidenoson" OR "DAS181" OR "M5049" OR "Ibudilast" OR "CM4620-IE" OR "GNS561" OR "zanubrutinib" OR "Cenicriviroc" OR "sofosbovir" OR "Trimethoprim" OR "vadadustat" OR "AVM0703" OR "Rabeprazole" OR "Moxifloxacin" OR "cobcicistat" OR "BAT2020" OR "ABX464" OR "XAV-19" OR "thalidomide" OR "bamlanivimab" OR "GX-19" OR "corticosteroid" OR "Tradipitant" OR "cotrimoxazole" OR "HuMax-Inflam" OR "Apilimod" OR "DUR-928" OR "escin" OR "PF-06650833" OR "octagam" OR "Antroquinonol" OR "pacritinib" OR "Imatinib" OR "ribavirin" OR "ambrisentan" OR "baricitinib" OR "imatinib" OR "CD24Fc" OR "Sulodexide" OR "AlloStim" OR "DFV890" OR "Emapalumab" OR "sitagliptin" OR "Metformin" OR "prednisone" OR "ulinastatin" OR "naltrexone" OR "abidor" OR "niclosamide" OR "BIO101" OR "GS-441524" OR "argatroban" OR "Leukine" OR "xiyanping" OR "peginterferon" OR "pembrolizumab" OR "HuMax" OR "Lambda" OR "dornase" OR "Itraconazole" OR "telemedicine" OR "Adenosine" OR "nirmatrelvir" OR "Curosurf" OR "clarithromycin" OR "bromhexine" OR "Xpovio" OR "ebastine" OR "amoxicillin/clavulanate" OR "PD-1 mAb" OR "EPA" OR "oseltamivir" OR "Betamethasone" OR "favipiravir" OR "mefloquine" OR "bismuth" OR "CM4620" OR "ifenprodil" OR "Levofloxacin" OR "REGN10987" OR "Candesartan" OR "secukinumab" OR "Trihexyphenidyl" OR "Dacatasvir" OR "pinavir" OR "tocilizumab" OR "co-amoxiclav" OR "EG-HPCP-03a" OR "hydroxychloroquine" OR "Polyoxidonium" OR "STI-5656" OR "Artesunate" OR "triazavirine" OR "Disulfiram" OR "cholecalciferol" OR "INO-4800" OR "PG1" OR "zinc" OR "oxytocin" OR "gimsilumab" OR "suramin" OR "rhG-CSF" OR "desferoxamine" OR "TD-0903" OR "OM-85" OR "Bucillamine" OR "pirfenidone" OR "Acetaminophen" OR "adamumab" OR "sulfamethoxazole" OR "BI 764198" OR "RPH-104" OR "COVID-19 drug" OR "alpha lipoic" OR "almitrine" OR "melphalan" OR "dapagliflozin" OR "NBT-NM108" OR "TMJ2" OR "Icosapent" OR "Ceftriaxone" OR "isoprinosine" OR "IMU-838" OR "tridecactide" OR "chloroquine" OR "CSL324" OR "Lian Hua Qing Weng" OR "Kevzara" OR "valsartan" OR "meplazumab" OR "Namilumab" OR "Prednisolone" OR "sargramostim" OR "estradiol" OR "cyclosporine" OR "Aprepitant" OR "silymarin" OR "linagliptin" OR "Noscapine" OR "Gemtuzumab" OR "methylprednisolone" OR "flvoxamine" OR "Coroquad" OR "mavrilimumab" OR "anakinra" OR "ozanimod" OR "mepolizumab" OR "acetylsalicylic" OR "darunavir" OR "novaferon" OR "YinHu QingWen" OR "OM85" OR "camrelizumab" OR "Cosentyx" OR "estrogen" OR "dexmedetomidine" OR "LL-37" OR "Dantonio" OR "rivaroxaban" OR "adalimumab" OR "apremilast" OR "polyinosinic-polycytidylic" OR "farpiravir" OR "montelukast" OR "Ibuprofen" OR "IFX-1" OR "Iodine" OR "Molnupiravir" OR "Pioglitazone" OR "verapamil" OR "Rapamycin" OR "Brexanolone" OR "Eltrombopag" OR "ravulizumab" OR "hydrocortisone" OR "auxora" OR "tinzaparin" OR "Vascepa" OR "omalizumab" OR "Ty-

bost" OR "Actemra" OR "dociparastat" OR "NA-831" OR "ascorbic acid" OR "MAS825"
OR "C21" OR "RoActemra" OR "eculizumab" OR "Bivalirudin" OR "povidon-iodine"
OR "ivermectin" OR "Pamrevlumab" OR "danoprevir" OR "Neurokinin" OR "sirolimus"
OR "Fostamatinib" OR "resveratrol" OR "Icatibant" OR "bromelain" OR "dexametha-
sone" OR "TJ003234" OR "iloprost" OR "tacrolimus" OR "astegolimab" OR "inter-
feron" OR "plitidepsin" OR "metenkefalin" OR "azoximer" OR "lopinavir" OR "Tazobac-
tam" OR "carrimycin" OR "CM-4620" OR "CYT107" OR "Heparin" OR "Pyronaridine-
Artesunate" OR "Itolizumab" OR "zilucoplan" OR "oxpentifylline" OR "AT-001" OR
"Abivertinib" OR "doxycycline" OR "Nigella Sativa" OR "AZD1222" OR "leronlimab"
OR "Enalapril" OR "nangibotide" OR "Piperacillin" OR "bevacizumab" OR "lacto-
ferrin" OR "UTTR1147A" OR "Caesalpinia spinosa" OR "mometasone" OR "hydrox-
ychloroquin" OR "Febuxostat" OR "lanadelumab" OR "Thymalfasin" OR "huaier ex-
tract" OR "Levoflozacin" OR "Pentoxifylline" OR "tozumab" OR "NP-120" OR "Alvele-
stat" OR "captopril" OR "merimepodib" OR "Iota-Carrageenan" OR "Lianhua Qing-
wen" OR "GLS-1200" OR "aescinate" OR "tranexamic" OR "Ledipasvir" OR "ISIS
721744" OR "procalcitonin" OR "SNDX-6352" OR "sirukumab" OR "Enzalutamide"
OR "carrimycin" OR "amphotericin" OR "bemiparin" OR "T89" OR "Spironolactone"
OR "sotrovimab" OR "fingolimod" OR "aspirin" OR "Remdesivir" OR "TJM2" OR
"pyridostigmine" OR "Prolastin" OR "EC-18" OR "poractant" OR "isotretinoin" OR
"telmisartan" OR "lenzilumab" OR "avdoralimab" OR "duvelisib" OR "BIO 300" OR
"bicalutamide" OR "Ilaris" OR "atlizumab" OR "desferrioxamine" OR "LB1148" OR
"Regkirona" OR "vitamin D3" OR "Clopidogrel" OR "CD24" OR "tetrandrine" OR "Lan-
soprazole" OR "Ruconest" OR "amoxicillin" OR "Trifluoperazine" OR "Ganovo" OR "ni-
tric Oxide" OR "chlorine dioxide" OR "olokizumab" OR "lucinactant" OR "galidesivir"
OR "TXA127" OR "Maraviroc" OR "conestat" OR "CA S001" OR "vazegepant" OR
"REGN10933" OR "Propranolol" OR "Viagra" OR "Fisetin" OR "Ronapreve" OR "Pre-
vifenon" OR "omega 3" OR "regdanvimab" OR "thymosin" OR "Prasugrel" OR "retinoic
acid" OR "Ceftaroline" OR "sevoflurane" OR "amoxicillin/clavulanic acid" OR "oestro-
gen" OR "leflunomide" OR "virazole" OR "PLN-74809" OR "ATYR1923" OR "Olumiant"
OR "dalargin" OR "Alinia" OR "methotrexate" OR "dapansutril" OR "artemisinin" OR
"ibrutinib" OR "aescin" OR "CERC-002" OR "fludase" OR "isoflurane" OR "XPro1595"
OR "LY-CoV555" OR "CAS0001" OR "immunoglobulin" OR "nafamostat" OR "Cro-
cetin" OR "Diphenhydramine" OR "BIO 101" OR "AZD1656" OR "PTC299" OR
"amodiaquine" OR "casirivimab" OR "BGB-DXP593" OR "opaganib" OR "melatonin"
OR "huaier granule" OR "HuMax-IL8" OR "Paxlovid" OR "famotidine" OR "GLS-
1027" OR "Trimodulin" OR "tenofovir" OR "Primaquine" OR "AMY-101" OR "covid
medicine" OR "umifenovir" OR "EDP1815" OR "Lagevrio" OR "Vitamin B12" OR
"Gamunex-C" OR "Bardoxolone" OR "AstroStem-V" OR "LAU-7b" OR "Vitamin E"
OR "Vitamin B" OR "RTB101" OR "COVID-19 medicine" OR "curcumin" OR "fonda-
parinix" OR "Edoxaban" OR "L-Citrulline" OR "ciclesonide" OR "azithromycin" OR
"remdesivir" OR "Diltiazem" OR "Methylene blue" OR "clazakizumab" OR "BCX4430"
OR "Pyronaridine" OR "Quercetin" OR "Toremifene" OR "COVI-AMG" OR "etopo-
side" OR "DWJ1248" OR "defibrotide" OR "AT-527" OR "prazosin" OR "triazavirin"
OR "BIO300" OR "Ensifentrine" OR "coronavirus medicine" OR "Anti-IL-8" OR "dihy-
droartemisinin" OR "vitamin c" OR "25-hydroxyvitamin D3" OR "coronavirus drug" OR
"formoterol" OR "indomethacin" OR "Rayaldee" OR "ciclosporin" OR "naproxen" OR
"fluoxetine" OR "Infliximab" OR "Tenecteplase" OR "ruxolitinib" OR "Molgramostim"
OR "vitamin D" OR "simvastatin" OR "alteplase" OR "sildenafil" OR "isoquercetin" OR
"GC4419" OR "ketamine" OR "Razuprotafib" OR "camostat" OR "Arbidol" OR "Mont-

morrillonite" OR "acalabrutinib" OR "nivolumab" OR "aviptadil" OR "PUL-042" OR "diammonium" OR "Clevudine" OR "nitrogen oxide" OR "BMS-986253" OR "siltuximab" OR "interleukin 2" OR "jakotinib" OR "nintedanib" OR "Axatilimab" OR "garadacimab" OR "Treamid" OR "ASC09" OR "emtricitabine" OR "LY-CoV016" OR "Pulmozyme" OR "Prostaglandin" OR "ciclosporine" OR "hydrogen peroxide" OR "sarilumab" OR "Losmapimod" OR "azvudine" OR "BLD-2660" OR "EIDD-2801" OR "MSTT1041A" OR "Desidustat" OR "abidole" OR "omeprazole" OR "progesterone" OR "Decitabine" OR "tocopherol" OR "berberine" OR "Xevudy" OR "APL-9" OR "colomycin" OR "XC221" OR "amiodarone" OR "lenalidomide" OR "imdevimab" OR "ixekizumab" OR "VentaProst" OR "acetylcysteine" OR "LY3127804" OR "Atazanavir" OR "TL-895" OR "dalteparin" OR "Thimerosal" OR "Xue-Bi-Jing" OR "GC376" OR "Angiotensin" OR "gs-441542" OR "Risankizumab" OR "co-trimoxazole") OR (("Medicine" OR "Plasma" OR "Treatment" OR "Medication" OR "Monoclonal antibodies" OR "Antibody therapy" OR "Antibody cocktail") AND ("COVID-19" OR "COVID" OR "SARS-CoV-2" OR "Coronavirus" OR "CV19" OR "CV-19" OR "SARS" OR "CoV-2"))))

Start date	2021-10-01
End date	2021-12-31
Language	en
Report type	incident
Curation status	validated
Number of Reports	51

1 Marcus Research Laboratory, Inc. - 615153 - 09/30/2021 - 2021-10-19

Publication date	2021-10-19
Create date	2021-10-20
Score	53.54
Report id	1258778
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Active Pharmaceutical Ingredient (API)/Adulterated

Click here to see the [Original Article](#)

Table 1: Places for report 1258778

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Saint Louis, MO-IL Metro Area	38.73525	-90.3501

Table 2: Drugs for report 1258778

Medicine Name	Medicine Class	Action	ATC Code
povidone-iodine	Iodine products	antiseptics and disinfectants	D08AG02
povidone-iodine	Medicated dressings with antiinfectives	medicated dressings	D09AA09
povidone-iodine	Medicated shampoos	other dermatological preparations	D11AC06
povidone-iodine	Other antiinfectives and antiseptics	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AX11
povidone-iodine	Antiseptics	throat preparations	R02AA15
povidone-iodine	Other antiinfectives	antiinfectives	S01AX18

Notes: [...] This warning letter summarizes significant deviations from current good manufacturing practice (CGMP) for active pharmaceutical ingredients (API).

Because your methods, facilities, or controls for manufacturing, processing, packing, or holding do not conform to CGMP, your API are adulterated within the meaning of section 501(a)(2)(B) of the Federal Food, Drug, and Cosmetic Act (FD&C Act), 21 U.S.C. 351(a)(2)(B). [...]

2 Pandemic black market putting consumers at risk

Publication date	2021-10-29
Create date	2021-11-08
Score	33.98
Report id	1270534
Category	Medical device for screening/diagnosis/monitoring, Medical devices for disease prevention
Quality	Falsified
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Pandemic black market putting consumers at risk The Denver Channel

Click here to see the [Original Article](#)

Table 3: Places for report 1270534

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	China	People's Republic of China	35	105
Americas	United States	United States	39.76	-98.5
Americas	Mexico	Mexico	23	-102

Table 4: Drugs for report 1270534

Medicine Name	Medicine Class	Action	ATC Code
hydroxychloroquine	Aminoquinolines	antimalarials	P01BA02
chloroquine	Aminoquinolines	antimalarials	P01BA01
ivermectin	Other dermatologicals	other dermatological preparations	D11AX22
ivermectin	Avermectines	antinematodal agents	P02CF01

Notes: "We were seizing unapproved medications coming from China that were manufactured in clandestine labs," said Christopher Macko, a supervisory officer with U.S. Customs and Border Protection.

He says his officers have been intercepting everything from fake PPE and COVID-19 testing kits to drugs and phony vaccine cards. [...] Between January of last year and the end of July

this year, the agency seized nearly 40 million counterfeit face masks, 187,000 FDA-prohibited COVID-19 test kits, and approximately 40,000 tablets of unapproved chloroquine and hydroxychloroquine. [...]

3 Authorities crackdown on store selling unauthorized Chinese medicine and COVID-19 testing kits

Publication date	2021-11-16
Create date	2021-11-19
Score	32.87
Report id	1288821
Category	Herbal medicine, Other, Medical device for screening/diagnosis/monitoring, Vitamin
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Authorities crackdown on store selling unauthorized Chinese medicine and COVID-19 testing kits Khmer Times

Click here to see the [Original Article](#)

Table 5: Places for report 1288821

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Cambodia	Krong Serei Saophoan	13.62114	102.96327

Table 6: Drugs for report 1288821

Medicine Name	Medicine Class	Action	ATC Code
			A11
	Vitamins	i.v. solution additives	B05XC

Notes: A shop in Serei Saophoan was raided by police after a tip-off that it was selling unsanctioned Chinese traditional medicine and Covid-19 testing kits. [...] An official statement said that: in order to prevent the distribution of counterfeit products and improve the quality of local products to protect the health of the people, the Anti-Counterfeit officers investigated the Jing Long Store owned by Chan Kim Leng, a 36-year-old male. Officers discovered unauthorized Chinese traditional medicine and Covid-19 testing kits.

According to the inspection report: officers found 13 cases of Lianhua Qingwen Jiaonang, 2 cases of Vitamin C, and 2 cases of Covid-19 rapid test kits. All of the seized goods were unau-

thorized by relevant authorities. [...]

4 Scam online pharmacies selling fake, dangerous pills find opportunity in the pandemic

Publication date	2021-10-06
Create date	2021-10-11
Score	30.24
Report id	1243693
Category	Opioid
Quality	Falsified
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Scam online pharmacies selling fake, dangerous pills find opportunity in the pandemic
Arizona Mirror

Click here to see the [Original Article](#)

Table 7: Places for report 1243693

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Arizona	34.5003	-111.50098

Table 8: Drugs for report 1243693

Medicine Name	Medicine Class	Action	ATC Code
hydroxychloroquine	Aminoquinolines	antimalarials	P01BA02
		opioids	N02A

Table 9: Other Stories

ID	Title	Link
1279066	Scam online pharmacies selling fake, dangerous pills find opportunity in the pandemic	Link

Notes: The coronavirus pandemic has kick-started a host of online and remote services, but not all of them are as useful as expansions to telemedicine or having groceries ordered online and delivered to your doorstep: Fake online pharmacies have also proliferated during COVID-19,

putting their customers at serious risk. [...] Due to the pandemic, many people across the country and in Arizona were restricted in their movements, especially those with pre-existing health conditions that required specific medications. With that came a boom in fake online pharmacies taking advantage of the situation, Hertig said. [...] The issue of fake online pharmacies has become so rampant that the Drug Enforcement Administration issued its first public safety alert in six years, warning of an increase in fake prescription medicines being sold online that contain dangerous drugs like fentanyl and methamphetamine. [...]

5 Online sales of unapproved COVID-19 drugs puts health ministry on alert

Publication date	2021-11-08
Create date	2021-11-16
Score	27.20
Report id	1281735
Category	Antiparasitic, Veterinary medicines
Quality	Diverted/Unregistered
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Online sales of unapproved COVID-19 drugs puts health ministry on alert The Japan News

Click here to see the [Original Article](#)

Table 10: Places for report 1281735

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	Japan	Japan	35.68536	139.75309
Online	Online	Online	0	0

Table 11: Drugs for report 1281735

Medicine Name	Medicine Class	Action	ATC Code
ivermectin	Other dermatologicals	other dermatological preparations	D11AX22
ivermectin	Avermectines	antinematodal agents	P02CF01

Table 12: Other Stories

ID	Title	Link
1298247	The distribution of counterfeit or defective products may lead to health problems.	Link

Notes: Internet sites marketing COVID-19 treatments that have not been approved in Japan

have prompted the Health, Labor and Welfare Ministry to strengthen surveillance. As the use of unapproved drugs could pose health risks, the ministry and experts are calling for caution. Marketing drugs and medical devices that have not been approved in Japan is prohibited under the law on pharmaceuticals and medical devices.

However, ivermectin, an antiparasitic drug that has been touted as an effective COVID-19 treatment but has not been approved in Japan, is being sold online with misleading statements referring to it as a possible "miracle cure." [...]

6 30 spurious cancer injections sold by Kalyan fake med ring

Publication date	2021-10-13
Create date	2021-10-14
Score	25.28
Report id	1251452
Category	Immunosuppressant, Other
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: 30 spurious cancer injections sold by Kalyan fake med ring Times of India

Click here to see the [Original Article](#)

Table 13: Places for report 1251452

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Kalyān	19.2437	73.13554

Table 14: Drugs for report 1251452

Medicine Name	Medicine Class	Action	ATC Code
tocilizumab	Interleukin inhibitors	immunosuppressants	L04AC07
brentuximab vedotin	Monoclonal antibodies	other antineoplastic agents	L01XC12

Table 15: Other Stories

ID	Title	Link
1238392	Mumbai: Woman held for selling fake cancer drugs	Link

Notes: As many as 30 spurious cancer injections were sold over the past year by the woman arrested recently from Kalyan for running a fake drug ring. [...] Two Mumbai police teams are camping in New Delhi and Bihar to find out and nab those who had supplied the fake injections and tablets to the accused. Recently, an interstate gang peddling fake cancer drugs made in factories in Faridabad and Karnal in Haryana has been busted. The 30 original Adcetris injec-

tions, made by a Japanese firm, would cost about Rs 1.7 crore at the rate of Rs 5.8 lakh each. Pooja Rana, 30, who was arrested late last month for running Prime Pharma, was selling them for Rs 1.1 lakh each. [...] At the time of Rana's arrest, the police had seized seven Adcetris injections, originally valued at Rs 40.6 lakh, and two Iclusig tablets worth Rs 27 lakh. These would be sent to the Japanese company for examination. During the probe, cops also seized 24 vials of Tocilizumab injections from Prime Pharma. The drug was running in short supply at one point as it was found to be helping in managing Covid. The food and drug administration has been given samples for investigation. "We want to know if the Tocilizumab is genuine," said Patil. [...]

7 22 drug samples fail to qualify CDSCO test, Details - 2021-12-23

Publication date	2021-12-23
Create date	2021-12-26
Score	22.62
Report id	1330633
Category	Antibiotic, Antiparasitic, Antidiabetic, Other, Vitamin, Cardiovascular medicine, Anaesthetic, Anti-inflammatory medicine, Medicine for allergy
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: New Delhi: In its latest drug safety alert, the apex drug regulatory body, Central Drugs Standard Control Organization (CDSCO) has flagged 22 medicine batches for failing to qualify for a random drug sample test for the month of November. These drug samples include Eurokem Laboratories' Glimepiride Tablets, Bharat Parenterals' Phytomenadione Injectoin IP 10mg/ml (Vitamin K1 Injection) 1 ml, Zee Laboratories' LECETZY (Levocetirizine Tablets I.P.), Danish Health Care's Dixogyl-400 (Metronidazole Tablets IP 400 mg), Health Biotech's Lignocaine and Adrenaline Injection IP (ACAINE ADR INJECTION) and others. This came after analysis and test were conducted by the CDSCO, Drugs Control Departments on 1102 samples. Out of this, 1080 samples were found of standard quality while 22 of them were declared as Not of Standard Quality (NSQ). A few of the reasons why the drug samples tested failed were the failure of Sterility test, failure of dissolution test, failure of the assay, failure of moisture content test. The samples collected were tested in five laboratories, namely CDL Kolkata, CDTL Mumbai, RDTL Chandigarh, CDTL Hyderabad. List of Drugs, Medical Devices and Cosmetics declared as Not of Standard Quality/Spurious/Adulterated/Misbranded, for the Month of November – 2021

Total number of samples tested	1102		
Total number of samples declared as of Standard Quality	1080		
Total number of samples declared as Not of Standard Quality	22		
Total number of samples declared as Spurious	-		
Total number of samples declared as Misbranded	-		
S.No.	Name of Drugs/medical device/cosmetics	Batch No./Date of Manufacture/Date of Expiry/Manufactured By	Reason for failure
1	Drawn By	From	1.RL (Compound Sodium Lactate injection I.P. 500 ml) (Ringe Lactate Solution for Injection I.P.)
B. No.:	103111	Mfg dt:	03/2021
Exp dt:	02/2023	Mfd by:	M/s. Ives Drugs (India) Pvt. Limited, Works: Ghatabillod, Distt. Dhar, Madhya Pradesh.
Sterility	Drug Control Department Madhya Pradesh	CDL	Kolkata
2	Glimepiride Tablets I.P. 1mg	B. No.:	GP108
Mfg dt:	04/2021	Exp dt:	03/2023
Mfd by:	M/s. Eurokem Laboratories Pvt. Ltd., C- 25, Sidco Pharmaceuticals Complex, Alathur, Thiruporur-603110	TamilNadu.	Dissolution & Related Substances
CDSCO	South Zone Chennai	CDL	Kolkata
3	Mineral Supplements Tablets	B. No.:	ET-210101
Mfg dt:	01/2021	Exp dt:	12/2022
Mfd by:	M/s. Ethicare Laboratories, 15, Industrial Estate, Digiana, Jammu- 180010.	Description	CDSCO South Zone Chennai
CDL	Kolkata	4	Vitamin B – Complex Tablets NFI IIB.
B. No.:	VPT801	Mfg dt:	06/2020
Exp dt:	11/2021	Mfd by:	-

M/s. Unicare India Ltd., C- 21,22 & 23, Sector-3, Noida 201301, Dist. Gautam Budh Nagar, Uttar Pradesh. Description, Assay of Vitamin B1 & Calcium Pantothenate CDSCO South Zone Chennai CDL Kolkata 5. Phytomenadione Injectoin IP 10mg/ml (Vitamin K1 Injection) 1 ml B. No.: P0383 Mfg dt: 07/2020 Exp dt: 06/2022 Mfd by: M/s. Bharat Parenterals Ltd., Vill, Haripura, Ta. Savli, Dist. Vadodara-391520, Gujarat. Description, Particulate Matter and Sterility CDSCO Hyderabad CDL Kolkata 6. MULVIT (Multi Vitamin Tablets) B. No.: CU20003 Mfg dt: 12/2020 Exp dt: 05/2022 Mfd by: M/s. Ortin Laboratories Ltd., 275 & 278 (part), I.D.A. Pashamilaram – 502307, Telangana. Description, Identification of Vitamin D3, Assay of Vitamin A Acetate & Vitamin D3 CDSCO East Zone Kolkata CDL Kolkata 7. Telmopac – AM (Telmisartan & Amlodipine Tablets) B. No.: APT/04282 Mfg dt: 04/2021 Exp dt: 03/2023 Mfd by: M/s. Amkon Pharmaceuticals, Plot No.242, Ind. Area. Phase IX, S.A.S. Nagar, Mohali – 160062 (Punjab). Dissolutoin, Related Substances and Assay CDSCO East Zone Kolkata CDL Kolkata 8. Oflopac – OZ Tablet (Ofloxacin & Ornidazole Tablets I.P.) B. No.: APT/03047 Mfg dt: 04/2020 Exp dt: 03/2022 Mfd by: M/s. Amkon Pharmaceuticals, Plot No.242, Phase – 9, Industrial Area, Mohali- 160062 (Punjab). Identification of Ofloxacin, and Dissolution & Assay of Ofloxacin & Ornidazole CDSCO East Zone Kolkata CDL Kolkata 9. LECETZY (Levocetirizine Tablets I.P.) B. No.: 420-1286 Mfg dt: 10/2020 Exp dt: 09/2022 Mfd by: M/s. Zee Laboratories, 47, Industrial Area, Paonta Sahib- 173025, Himachal Pradesh. Dissolution and Assay CDSCO East Zone Kolkata CDL Kolkata 10. Ashialben 300 (Albendazole 300 mg Bolus) B. No.: ALT-9096 Mfg dt: 08/2021 Exp dt: 07/2025 Mfd by: M/s. Ashish Lifesciences Pvt. Ltd., J-137, MIDC, Tarapur Moisture content CDSCO West Zone Mumbai CDTL Mumbai Maharashtra, India. 11. Ashialben 300 (Albendazole 300 mg Bolus) B. No.: ALT-8958 Mfg dt: 05/2021 Exp dt: 04/2025 Moisture content CDSCO West Zone Mumbai CDTL Mumbai Mfd by: M/s. Ashish Lifesciences Pvt. Ltd., J- 137, MIDC, Tarapur, Maharashtra, India. 12. Ashialben 600 (Albendazole Bolus 600 mg) B. No.: ALT-8703 Mfg dt: 12/2020 Exp dt: 11/2024 Moisture content CDSCO West Zone Mumbai CDTL Mumbai Mfd by: M/s. Ashish Lifesciences Pvt. Ltd., J- 137, MIDC, Tarapur, Maharashtra, India. 13. Ashialben 300 (Albendazole 300 mg Bolus) B. No.: ALT-9090 Mfg dt: 08/2021 Exp dt: 07/2025 Moisture content CDSCO West Zone Mumbai CDTL Mumbai Mfd by: M/s. Ashish Lifesciences Pvt. Ltd., J- 137, MIDC, Tarapur Maharashtra, India. 14. Dixogyl-400 (Metronidazole Tablets IP 400...

Click here to see the [Original Article](#)

Table 16: Places for report 1330633

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79

Table 17: Drugs for report 1330633

Medicine Name	Medicine Class	Action	ATC Code
albendazole	Benzimidazole derivatives	antinematodal agents	P02CA03
phytomenadione	Vitamin K	vitamin k and other hemostatics	B02BA01
lidocaine	Antiarrhythmics, class Ib	antiarrhythmics, class i and iii	C01BB01

Table 17: Drugs for report 1330633(continued)

Medicine Name	Medicine Class	Action	ATC Code
lidocaine	Local anesthetics	agents for treatment of hemorrhoids and anal fissures for topical use	C05AD01
lidocaine	Anesthetics for topical use	antipruritics, incl. antihistamines, anesthetics, etc.	D04AB01
lidocaine	Amides	anesthetics, local	N01BB02
lidocaine	Anesthetics, local	throat preparations	R02AD02
lidocaine	Local anesthetics	local anesthetics	S01HA07
lidocaine	Analgesics and anesthetics	other otologicals	S02DA01
levocetirizine	Piperazine derivatives	antihistamines for systemic use	R06AE09
			A11
	Vitamins	i.v. solution additives	B05XC
ofloxacin	Fluoroquinolones	quinolone antibacterials	J01MA01
ofloxacin	Fluoroquinolones	antiinfectives	S01AE01
ofloxacin	Antiinfectives	antiinfectives	S02AA16
telmisartan	Angiotensin II receptor blockers (ARBs), plain	angiotensin ii receptor blockers (arbs), plain	C09CA07
ornidazole	Imidazole derivatives	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AF06
ornidazole	Imidazole derivatives	other antibacterials	J01XD03
ornidazole	Nitroimidazole derivatives	agents against amoebiasis and other protozoal diseases	P01AB03
atorvastatin	HMG CoA reductase inhibitors	lipid modifying agents, plain	C10AA05
amlodipine	Dihydropyridine derivatives	selective calcium channel blockers with mainly vascular effects	C08CA01
glimepiride	Sulfonylureas	blood glucose lowering drugs, excl. insulins	A10BB12
clopidogrel	Platelet aggregation inhibitors excl. heparin	antithrombotic agents	B01AC04
norfloxacin	Fluoroquinolones	quinolone antibacterials	J01MA06
norfloxacin	Fluoroquinolones	antiinfectives	S01AE02
diclofenac	Other dermatologicals	other dermatological preparations	D11AX18

Table 17: Drugs for report 1330633(continued)

Medicine Name	Medicine Class	Action	ATC Code
diclofenac	Acetic acid derivatives and related substances	antiinflammatory and antirheumatic products, non-steroids	M01AB05
diclofenac	Antiinflammatory preparations, non-steroids for topical use	topical products for joint and muscular pain	M02AA15
diclofenac	Antiinflammatory agents, non-steroids	antiinflammatory agents	S01BC03
metronidazole	Antiinfectives and antiseptics for local oral treatment	stomatological preparations	A01AB17
metronidazole	Other chemotherapeutics	chemotherapeutics for topical use	D06BX01
metronidazole	Imidazole derivatives	antiinfectives and antiseptics, excl. combinations with corticosteroids	G01AF01
metronidazole	Imidazole derivatives	other antibacterials	J01XD01
metronidazole	Nitroimidazole derivatives	agents against amoebiasis and other protozoal diseases	P01AB01

Notes: In its latest drug safety alert, the apex drug regulatory body, Central Drugs Standard Control Organization (CDSCO) has flagged 22 medicine batches for failing to qualify for a random drug sample test for the month of November. [...] In its latest drug safety alert, the apex drug regulatory body, Central Drugs Standard Control Organization (CDSCO) has flagged 22 medicine batches for failing to qualify for a random drug sample test for the month of November. [...]

8 Risk factor: not-for-sale Covid antivirals on sale in HCMC

Publication date	2021-12-08
Create date	2021-12-14
Score	20.27
Report id	1312355
Category	Antiviral others
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Risk factor: not-for-sale Covid antivirals on sale in HCMC VnExpress International

Click here to see the [Original Article](#)

Table 18: Places for report 1312355

Region Name	Country	Location	Latitude	Longitude
South-Eastern Asia	Viet Nam	Ho Chi Minh City	10.82302	106.62965

Table 19: Drugs for report 1312355

Medicine Name	Medicine Class	Action	ATC Code
favipiravir	Other antivirals	direct acting antivirals	J05AX27
	Antivirals	chemotherapeutics for topical use	D06BB
	Antivirals	antiinfectives	S01AD

Notes: The lack of access to antiviral drugs to treat Covid-19 in HCMC has pushed residents to look for such products online, even with the risk of buying fakes. [...] One salesperson said he'd just turned 18, another claimed to be a coronavirus patient who was selling leftover molnupiravir, and yet another claimed to be a doctor, Long said. [...] A man named Nhan contacted Thuan and offered her a molnupiravir course with 20 pills to be had over five days, at VND290,000 a pill. An alternative would be VND150,000 per pill of favipiravir. [...] Another man named Nghia offered her 40 pills of molnupiravir for VND8.5 million. He too claimed that they were imported. He said he would deliver the drugs straight to the door for cash. He claimed to have been selling the drug for over six months and that no one had complained about their quality. [...] A representative of the Drug Administration of Vietnam said the drugs might ei-

ther be fake or "leaked" from medical facilities. Tang Chi Thuong, director of the HCMC health department, said selling the drug was illegal as it has not been made commercially available. [...]

9 Public Notification: Hard AF! contains hidden drug ingredients - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	19.10
Report id	1312858
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification:Hard AF! contains hidden drug ingredients

Click here to see the [Original Article](#)

Table 20: Places for report 1312858

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 21: Other Stories

ID	Title	Link
1312859	Public Notification: Go On Red contains hidden drug ingredient - 2021-12-08	Link

Notes: [...] FDA laboratory analysis confirmed that Hard AF! contains sildenafil and acetaminophen. Sildenafil is the active ingredient in the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

10 Iowa Man Pleads Guilty to Selling Misbranded Vitamin B12 Injectables - 2021-12-09

Publication date	2021-12-09
Create date	2021-12-14
Score	18.76
Report id	1314290
Category	Vitamin
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: FDA OCI, Brady Tomlinson, Des Moines IA, misbranded drug, injectable, Vitamin B12, solution, online, weight loss, consumer protection,

Click here to see the [Original Article](#)

Table 22: Places for report 1314290

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Iowa	42.00027	-93.50049

Table 23: Drugs for report 1314290

Medicine Name	Medicine Class	Action	ATC Code
	Vitamin B12 (cyanocobalamin and analogues)	vitamin b12 and folic acid	B03BA

Notes: An Iowa man pleaded guilty today to a felony charge related to the sale of misbranded vitamin B12 injectable drugs, the Department of Justice announced. Brady Tomlinson, 46, of Des Moines, pleaded guilty in the U.S. District Court for the Southern District of Iowa to one count of introducing a misbranded drug into interstate commerce with the intent to defraud or mislead. According to court documents, Tomlinson sold injectable vitamin B12 solutions online beginning in May 2015. Tomlinson marketed the injections as weight loss drugs. According to court documents, the U.S. Food and Drug Administration (FDA) informed Tomlinson during a December 2016 inspection that dispensing the drugs without valid prescriptions violated the Federal Food, Drug, and Cosmetic Act (FDCA). Tomlinson closed his business for a week fol-

lowing the inspection, but then created a new website and continued selling the same kinds of misbranded B12 injections from December 2016 until he was arrested in April 2019. [...]

11 NAFDAC raids two warehouses in Lagos, seizes N3bn banned drugs

Publication date	2021-11-19
Create date	2021-11-22
Score	18.10
Report id	1292649
Category	Erectile dysfunction medicine, Other, Analgesic, Anti-malarial, Antitussive
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: NAFDAC raids two warehouses in Lagos, seizes N3bn banned drugs NIGERIAN TRIBUNE

Click here to see the [Original Article](#)

Table 24: Places for report 1292649

Region Name	Country	Location	Latitude	Longitude
Western Africa	Nigeria	Lagos	6.45407	3.39467

Table 25: Drugs for report 1292649

Medicine Name	Medicine Class	Action	ATC Code
artemether	Artemisinin and derivatives, plain	antimalarials	P01BE02
sildenafil	Drugs used in erectile dysfunction	urologicals	G04BE03
codeine	Opium alkaloids and derivatives	cough suppressants, excl. combinations with expectorants	R05DA04
artesunate	Artemisinin and derivatives, plain	antimalarials	P01BE03
tramadol	Other opioids	opioids	N02AX02

Table 26: Other Stories

ID	Title	Link
1292738	NAFDAC evacuates 20 truckloads of N3bn fake drugs; importer on the run	Link
1292779	NAFDAC Confiscates Banned, Falsified Drugs Worth Over N3bn	Link
1292824	Yuletide: NAFDAC raids markets, others against adulterated products	Link
1296461	NAFDAC Seizes N3b Worth Falsified Drugs In Lagos	Link
1298370	Children, infants target of fake medicine, food products –NAFDAC	Link
1301866	NAFDAC Uncovers N3bn Fake Drugs, Beverages in Lagos Warehouses	Link

Notes: The National Agency for Food and Drug Administration and Control (NAFDAC) on Friday said its officials raided two warehouses in Lagos and carted away banned pharmaceutical drugs worth N3 billion. [...] "The officers of Investigation and Enforcement Directorate of NAFDAC and the Federal Task Force on Counterfeit and Fake Drugs and Unwholesome Processed Foods raided two warehouses at the Trade Fair Complex in Lagos, where multiple cartons of banned drugs including 10 cartons of Tafradol (Tramadol 225mg) were found. "It is pertinent to mention that any strength above 100mg not registered is banned due to its deleterious effects on vital organs of the body such as the central nervous system and the brain. Furthermore, 1,200 cartons of banned Analgin Injection (2.5g/5ml); 2,200 cartons of banned Codeine in Syrup; suspected fake 500 cartons of Azmal; Artemeter Injection, 534 cartons plus 300 packets of Biomal; Artesunate Injection, 188 cartons of Hydra and Black Cobra (silderzafil citrate 200mg); 198 cartons of Super Artesunate Injection among others, were discovered and evacuated. [...]

12 Mexico warns of falsified transplant medicine - 2021-11-01

Publication date	2021-11-01
Create date	2021-11-02
Score	17.28
Report id	1273098
Category	Immunosuppressant
Quality	Falsified
Source	Not applicable
Curation	Manually curated
Incident or General	Incident

Snippet: The counterfeits of Landsteiner Scientific's Limustin (tacrolimus) could put patients at risk, says Cofepris.

Click here to see the [Original Article](#)

Table 27: Drugs for report 1273098

Medicine Name	Medicine Class	Action	ATC Code
tacrolimus	Agents for dermatitis, excluding corticosteroids	other dermatological preparations	D11AH01
tacrolimus	Calcineurin inhibitors	immunosuppressants	L04AD02

Table 28: Other Stories

ID	Title	Link
1273104	Mexico warns of falsified transplant medicine	Link

Notes: Mexico's Federal Commission for the Protection against Sanitary Risks (Cofepris) has issued an alert about a falsified version of Limustin, an immunosuppressant drug used in transplant medicine. The counterfeit copies of Landsteiner Scientific's tacrolimus product should not be used as they could put patients at risk of serious side effects and treatment failure, according to the regulatory authority. The falsified medicine has a fictitious lot number 129B0219 and the expiration date DEC23, and has a number of other discrepancies with the genuine product. [...]

13 Brands of Remdesivir and hand sanitisers continue to be on top of spurious drugs

Publication date	2021-12-08
Create date	2021-12-14
Score	16.78
Report id	1313442
Category	Antiviral others, Antiseptic
Quality	Falsified
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Brands of Remdesivir and hand sanitisers continue to be on top of spurious drugs The Hitavada

Click here to see the [Original Article](#)

Table 29: Places for report 1313442

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Republic of India	22	79

Table 30: Drugs for report 1313442

Medicine Name	Medicine Class	Action	ATC Code
remdesivir	Nucleosides and nucleotides excl. reverse transcriptase inhibitors	direct acting antivirals	J05AB16

Notes: Six brands of hand sanitisers and three brands of Remdesivir have been declared as ‘spurious’ by the Government analyst of Food and Drugs Administration (FDA) during the past 14 days from November 25 to December 7. From June 2021, brands of Remdesivir and hand sanitisers continue to lead in ‘Not of Standard’ drug reports issued by Government Analyst of FDA Maharashtra. ‘The Hitavada’ has been monitoring the public analytical reports constantly since June 2021. In present time of pandemic, the quality and standard of hand sanitisers and highly promoted and hyped drug Remdesivir is a cause of concern, considering the public analyst reports. [...] The analytical reports of sample sent on June 10 was published

by FDA on public domain on November 26, while that of samples sent on May 6, 2021 was published on November 25. The analytical reports have found that out of the samples of three brands, samples of two brands did not give identification test for the presence of Remdesivir. This means the main drug remdesivir drug has been missing in these samples. Desram - the brand declared as spurious contained no remdesivir but had only dextrose. While two brands Remdac seized from Buldana showing content of Remdesivir on label as 100mg/20ml injection (means 5 mg/ml), had only 0.56 mg/vial and 0.07 mg/vial Remdesivir content instead of 100mg mg/20ml. Surprisingly, one brand had amoxicillin 94.628 mg per vial and other had 79.33 mg per vial. All these four brands were supplied to hospitals and institutions as they were manufactured for hospitals and institutions only. [...]

14 Urgent warning on controversial drug

Publication date	2021-12-13
Create date	2021-12-20
Score	16.58
Report id	1318759
Category	Antiparasitic, Veterinary medicines
Quality	Falsified
Source	Not applicable
Curation	Manually curated
Incident or General	Incident

Snippet: Urgent warning on controversial drug NEWS.com.au

Click here to see the [Original Article](#)

Table 31: Other Stories

ID	Title	Link
1319282	'Hazardous': TGA issues warning on controversial drug	Link
1345774	TGA issues warning about counterfeit ivermectin products and using them to treat COVID-19	Link

Notes: Australia's drug regulator has issued a fresh warning to people not to import a drug championed by anti-vaxxers as an alternative treatment for Covid-19.

The Therapeutic Goods Administration tested a number of imported products labelled as Ivermectin and found they were counterfeit.

The TGA said the testing was a warning against buying drugs online from unverified sellers.

"Counterfeit products may contain undeclared and hazardous ingredients that could cause a serious adverse reaction," the regulator said on Tuesday.

"They may also be contaminated because of a lack of manufacturing and testing standards." [...]

15 Gilead recalls vials of COVID antiviral drug remdesivir over glass shard contamination

Publication date	2021-12-03
Create date	2021-12-08
Score	16.56
Report id	1308398
Category	Antiviral others
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Gilead recalls vials of COVID antiviral drug remdesivir over glass shard contamination
New York Post

Click here to see the [Original Article](#)

Table 32: Places for report 1308398

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 33: Drugs for report 1308398

Medicine Name	Medicine Class	Action	ATC Code
remdesivir	Nucleosides and nucleotides excl. reverse transcriptase inhibitors	direct acting antivirals	J05AB16

Table 34: Other Stories

ID	Title	Link
1309644	Gilead Sciences recalls vials of COVID-19 antiviral drug due to glass contamination	Link
1309939	Two Lots Of COVID Drug Remdesivir Part Of Safety Recall For Glass Particle Contamination	Link
1324435	Gilead recalls 2 lots of COVID-19 drug Veklury after finding glass particulates in vials	Link

Table 34: Other Stories(continued)

ID	Title	Link
1324440	Veklury antiviral coronavirus treatment vials recalled by Gilead Sciences	Link
1331379	Vials of Remdesivir recalled due to glass contamination TheHill	Link
1337828	Gilead recalls vials of its Remdesivir COVID drug in U.S. due to glass contamination	Link
1362939	FDA slaps a hold on Gilead's injectable HIV treatment over concerns about potential glass contaminants	Link

Notes: A pharmaceutical manufacturer recalled thousands of vials of its COVID-19 antiviral drug remdesivir after an internal investigation found they were contaminated with glass particles.

Gilead Sciences Inc. on Friday announced the pullback of the drug, sold under the brand name Veklury, shipped to hospitals nationwide in October and November. [...] A company official told Bloomberg that 55,000 vials of remdesivir were recalled, enough to treat 11,000 hospitalized patients. [...]

16 The dangerous failure to stop tainted remdesivir

Publication date	2021-12-22
Create date	2021-12-23
Score	15.15
Report id	1329385
Category	Antiviral others
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: The dangerous failure to stop tainted remdesivir Mint

Click here to see the [Original Article](#)

Table 35: Places for report 1329385

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Uttar Pradesh	27.25	80.75

Table 36: Drugs for report 1329385

Medicine Name	Medicine Class	Action	ATC Code
remdesivir	Nucleosides and nucleotides excl. reverse transcriptase inhibitors	direct acting antivirals	J05AB16

Notes: [...] Despite the obvious link between Cadila's batches and the life-threatening adverse events, few state drug regulators responded as they were supposed to. Mint's investigation found that regulators acted in a haphazard manner, declaring the batches to be of standard quality without testing them fully, and without seeking an explanation from the company. Only the Bihar regulator identified the cause of the mysterious illness. Their testing found Cadila's batch V100167 to contain bacterial endotoxins—compounds present in the protective envelopes of bacteria, which cause fever, chills and life-threatening septic shock in humans. Regulators in the remaining four of the five affected states never tested the medicines for endotoxins, although low endotoxin levels are a key quality requirement for drugs that are injected into humans. [...]

17 HC grants bail to four men for hoarding, selling COVID-19 medicines at exorbitant rates

Publication date	2021-11-21
Create date	2021-11-23
Score	15.02
Report id	1294010
Category	Antiviral others
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: HC grants bail to four men for hoarding, selling COVID-19 medicines at exorbitant rates Devdiscourse

Click here to see the [Original Article](#)

Table 37: Places for report 1294010

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	New Delhi	28.63576	77.22445

Table 38: Drugs for report 1294010

Medicine Name	Medicine Class	Action	ATC Code
remdesivir	Nucleosides and nucleotides excl. reverse transcriptase inhibitors	direct acting antivirals	J05AB16

Table 39: Other Stories

ID	Title	Link
1294020	HC grants bail to four men who hoarded, sold COVID-19 medicines at exorbitant rates	Link
1294405	Delhi High Court grants bail to 4 accused of hoarding, selling COVID-19 drugs	Link
1296142	Delhi HC gives bail to 4 who hoarded Covid drugs during second wave	Link

Table 39: Other Stories(continued)

ID	Title	Link
1298556	Four held for hoarding, selling Covid medicines at exorbitant rates get bail	Link

Notes: The Delhi High Court has granted bail to four men, who were arrested for allegedly hoarding and selling at exorbitant rates life-saving medicines to treat COVID-19 patients during the second wave of the pandemic. [...] According to the prosecution, during the second wave of COVID-19 in April, the crime branch police officials received inputs of illegal hoarding and supply of life-saving medicines, including Remdesivir, to treat coronavirus patients.

Police officials got the information that two of the accused are going to supply Remdesivir injections near Batra Hospital and they were apprehended along with the medicines but they were unable to be given any prescription of doctor or bills or satisfactory answers, it said, adding that similarly, other accused were also arrested from other places. The police said that at the time of arrest of one of the accused persons, empty vials, vial caps, and a batch coding machine that was used for the production of fake Remdesivir injection labels were also recovered. [...]

18 New Toxic Drug Impurities Detected in Some Heart Pills in U.S.

Publication date	2021-10-13
Create date	2021-10-14
Score	13.79
Report id	1251895
Category	Cardiovascular medicine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: New Toxic Drug Impurities Detected in Some Heart Pills in U.S. Bloomberg

Click here to see the [Original Article](#)

Table 40: Places for report 1251895

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5
Europe	Ireland	Ireland	53	-8
Europe	France	Republic of France	46	2
Southern Asia	India	Republic of India	22	79
Europe	Switzerland	Switzerland	47.00016	8.01427
Americas	Canada	Canada	60.10867	-113.64258

Table 41: Other Stories

ID	Title	Link
1252579	New toxic drug impurities detected in some heart pills in US	Link
1254045	New toxic drug impurities detected in some heart pills in US: Bloomberg - 2021-10-15	Link

Notes: [...] The FDA inspector visited Hetero Labs Ltd.'s production plant in the Sangareddy district in south central India over 10 days in August. The plant makes the active ingredient for the blood pressure drug called valsartan, which it sells to other pharmaceutical companies to make a finished pill. Valsartan production can form azido impurities. The company did not

respond to requests for comment. Drug regulator Health Canada announced recalls of valsartan, a type of drug called an angiotensin II receptor blocker or ARB, in May for elevated levels of azido impurities. Over the next few months, other drugs in the same class, losartan and irbesartan, were recalled for the same impurities. Companies implicated include Sanofi, Novartis AG's generic-drug unit Sandoz and generic-drug giant Teva Pharmaceutical Industries Ltd. Teva also recalled ARBs in the U.K. in June followed by Sanofi in August, according to the country's Medicines and Healthcare products Regulatory Agency. The MHRA is aware of three potential azido impurities in heart drugs, according to emailed answers to a list of questions from Bloomberg. Other European countries have also recalled ARBs containing azido impurities, including France, Switzerland and Ireland. [...] Sandoz originally recalled 40 batches of ARBs in Canada in May and has since recalled 49 batches of certain losartan pills there. The active ingredient for the drugs was made by another company, according to an emailed statement from a spokesperson for parent company Novartis, though the company wasn't named. [...]

19 Drug makers Glenmark, Aurobindo recall products in US

Publication date	2021-10-03
Create date	2021-10-12
Score	12.88
Report id	1247381
Category	Antiepileptic, Other, Respiratory diseases medicine, Cardiovascular medicine, Anti-inflammatory medicine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Drug makers Glenmark, Aurobindo recall products in US ETHealthworld.com

Click here to see the [Original Article](#)

Table 42: Places for report 1247381

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 43: Drugs for report 1247381

Medicine Name	Medicine Class	Action	ATC Code
naproxen	Antiinflammatory products for vaginal administration	other gynecologicals	G02CC02
naproxen	Propionic acid derivatives	antiinflammatory and antirheumatic products, non-steroids	M01AE02
naproxen	Antiinflammatory preparations, non-steroids for topical use	topical products for joint and muscular pain	M02AA12
chlorzoxazone	Oxazol, thiazine, and triazine derivatives	muscle relaxants, centrally acting agents	M03BB03
metoprolol	Beta blocking agents, selective	beta blocking agents	C07AB02

Table 43: Drugs for report 1247381(continued)

Medicine Name	Medicine Class	Action	ATC Code
fulvestrant	Anti-estrogens	hormone antagonists and related agents	L02BA03
zonisamide	Other antiepileptics	antiepileptics	N03AX15

Notes: [...] The company is recalling 28,658 cartons of Fulvestrant injection (250 mg/5 ml), a medicine used to treat breast cancer, due to "lack of assurance of sterility", the US health regulator noted in the report.

Glenmark Pharmaceuticals Inc, USA is also recalling 9,552 bottles of Naproxen Sodium Tablets (275 mg), a pain relieving medicine, due to "CGMP (Current Good Manufacturing Practice) deviations". The company is also recalling around 31,500 bottles of the product in 550 mg strength.

Besides, Glenmark is recalling 6,552 bottles of Chlorzoxazone tablets (in strengths of USP 375 mg and 750 mg) due to CGMP deviations.

Chlorzoxazone tablets are used for muscle relaxation. The USFDA stated that the company is also recalling around 2.34 lakh bottles (multiple strengths) of Zonisamide capsules, an anti-epilepsy drug, due to CGMP deviations.

The drug firm is also recalling close to 11,000 units of Arformoterol Tartrate Inhalation Solution, indicated for the treatment of chronic obstructive pulmonary disease, for "lack of assurance of sterility". [...] New Jersey-based Aurobindo Pharma USA Inc, a unit of Aurobindo Pharma, is recalling 2,820 bottles of Metoprolol tartrate tablets "due to presence of foreign substance: product complaints received for the presence of metal wire in one tablet". [...]

20 District Court Orders New Jersey Defendants to Stop Distributing Unapproved 'Nano Silver' Products Touted as COVID Treatment

Publication date	2021-12-28
Create date	2022-01-17
Score	12.73
Report id	1361853
Category	Other
Quality	Diverted/Unregistered
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: District Court Orders New Jersey Defendants to Stop Distributing Unapproved 'Nano Silver' Products Touted as COVID Treatment Department of Justice

Click here to see the [Original Article](#)

Table 44: Places for report 1361853

Region Name	Country	Location	Latitude	Longitude
Americas	United States	New Jersey	40.16706	-74.49987

Notes: [...] In a complaint filed on Nov. 13, 2020, the United States alleged that Natural Solutions Foundation, along with trustees Ralph Fucetola and Dr. Rima Laibow, violated the Federal Food, Drug and Cosmetic Act (FDCA) by distributing a "nano silver" product that they claimed would prevent, treat or cure COVID-19. According to the complaint, which was filed at the request of the U.S. Food and Drug Administration (FDA), Natural Solutions operated various websites to market "Dr. Rima Recommends Nano Silver," a product that purportedly contained silver particles in a solution. The complaint further alleged that nano silver is not generally recognized by qualified experts as safe and effective to prevent, treat or cure COVID-19, and that the defendants' claims were not supported by credible scientific evidence or studies. Additionally, the complaint alleged that the defendants' nano silver products were misbranded drugs, because their labeling failed to bear adequate directions for use, as required by the FDCA.

"Marketing unproven products as treatments for COVID-19 endangers public health and violates the law," said Acting Assistant Attorney General Brian M. Boynton of the Justice Department's Civil Division. "The department will work closely with the FDA to stop anyone attempting to take advantage of the pandemic by selling unapproved, misbranded drugs." [...]

21 Fake Weight-Loss Drugs + Man Sentenced For Hate Crime

Publication date	2021-12-08
Create date	2021-12-27
Score	12.63
Report id	1334426
Category	Weight loss medicine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Fake Weight-Loss Drugs + Man Sentenced For Hate Crime Patch.com

Click here to see the [Original Article](#)

Table 45: Places for report 1334426

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Des Moines	41.60054	-93.60911

Notes: A Des Moines man was convicted Wednesday of fraud for selling misbranded vitamin B12 injectable drugs as weight-loss drugs. Brady Tomlinson, 46, pleaded guilty in U.S. District Court to one count of introducing a misbranded drug into interstate commerce with the intent to defraud or mislead, according to a U.S. Department of Justice news release.

22 Urgent recall issued for products sold in stores such as Dunnes and SuperValu

Publication date	2021-12-08
Create date	2021-12-14
Score	11.57
Report id	1312988
Category	Vitamin
Quality	Substandard
Source	Private pharmacy
Curation	Manually curated
Incident or General	Incident

Snippet: Urgent recall issued for products sold in stores such as Dunnes and SuperValu Irish Mirror

Click here to see the [Original Article](#)

Table 46: Places for report 1312988

Region Name	Country	Location	Latitude	Longitude
Europe	Ireland	Ireland	53	-8

Table 47: Drugs for report 1312988

Medicine Name	Medicine Class	Action	ATC Code
			A11
	Vitamins	i.v. solution additives	B05XC

Table 48: Other Stories

ID	Title	Link
1313114	FSA recalls vitamins for teens sold in Cork shops as they contain pesticide	Link
1314077	Supermarkets including SuperValu and Dunnes hit by urgent product recall	Link

Notes: A popular brand is urgently recalling some of its products over the presence of an

unauthorised pesticide.

Certain batches of Beeline food supplements are being recalled from the shelves of stores across Ireland. The Effervescent Multivitamin + Minerals tablets and Vitamin D3 + Multivitamin Teenager tablets are among the products affected.

These are sold in a variety of Irish pharmacies nationwide and in supermarkets such as Dunnes Stores and SuperValu.

The Food Safety Authority of Ireland issued the alert on Wednesday after certain batches were found to contain the presence of the unauthorised pesticide ethylene oxide. [...]

23 Public Notification: Jaguar Power contains hidden drug ingredient - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	10.59
Report id	1312853
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification:: Jaguar Power contains hidden drug ingredient

Click here to see the [Original Article](#)

Table 49: Places for report 1312853

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Jaguar Power contains sildenafil, the active ingredient in the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

24 Public Notification: Avaphinal contains hidden drug ingredient - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	10.59
Report id	1312855
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification: Avaphinal contains hidden drug ingredient

Click here to see the [Original Article](#)

Table 50: Places for report 1312855

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Avaphinal contains sildenafil, the active ingredient in the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

25 Public Notification: Brahma Male Enhancement contains hidden drug ingredient - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	10.59
Report id	1312860
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification: Brahma Male Enhancement contains hidden drug ingredient

Click here to see the [Original Article](#)

Table 51: Places for report 1312860

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Brahma Male Enhancement contains sildenafil, the active ingredient in the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

26 Public Notification: Pink Pussycat contains hidden drug ingredient - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	10.59
Report id	1312856
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification: Pink Pussycat contains hidden drug ingredient

Click here to see the [Original Article](#)

Table 52: Places for report 1312856

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Pink Pussycat contains sildenafil, the active ingredient in the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

27 Public Notification: Magnum XXL 9800 contains hidden drug ingredient - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	10.59
Report id	1312857
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification: Magnum XXL 9800 contains hidden drug ingredient

Click here to see the [Original Article](#)

Table 53: Places for report 1312857

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Magnum XXL 9800 contains sildenafil, the active ingredient the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

28 NDA Bans Importation of M-Magix Coffee for Containing 'Viagra' Content

Publication date	2021-11-03
Create date	
Score	10.59
Report id	1276715
Category	Erectile dysfunction medicine
Quality	Falsified
Source	Unspecified outlet
Curation	Manually curated
Incident or General	Incident

Snippet: NDA Bans Importation of M-Magix Coffee for Containing 'Viagra' Content soft-power.ug

Click here to see the [Original Article](#)

Table 54: Places for report 1276715

Region Name	Country	Location	Latitude	Longitude
Eastern Africa	Uganda	Republic of Uganda	1.25	32.5

Table 55: Drugs for report 1276715

Medicine Name	Medicine Class	Action	ATC Code
sildenafil	Drugs used in erectile dysfunction	urologicals	G04BE03

Notes:

29 Fake Viagra, Cialis tablets among controlled drugs HK seized

Publication date	2021-10-25
Create date	2021-11-25
Score	10.53
Report id	1265016
Category	Erectile dysfunction medicine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Fake Viagra, Cialis tablets among controlled drugs HK seized ABS-CBN News

Click here to see the [Original Article](#)

Table 56: Places for report 1265016

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	Hong Kong	Hong Kong	22.27832	114.17469
Southern Asia	India	Republic of India	22	79

Table 57: Drugs for report 1265016

Medicine Name	Medicine Class	Action	ATC Code
tadalafil	Drugs used in erectile dysfunction	urologicals	G04BE08
sildenafil	Drugs used in erectile dysfunction	urologicals	G04BE03

Notes: [...] Customs officers arrested three women and two men during a series of citywide raids over the past month in which they confiscated 1.6 million pills disguised as general goods that had been flown in from India. More than 70 per cent of the prescription or controlled drugs, valued at HK\$41 million, were for treating erectile dysfunction and contained either sildenafil or tadalafil. Tablets for countering depression and prostate-related illnesses were also seized. Senior Superintendent Rita Li Yim-ping, head of the Customs and Excise Department's syn-

dicate crimes investigation bureau, said on Monday that most of the drugs were generic, but about 60,000 were counterfeit Viagra or Cialis. "The haul has an estimated market value of HK \$55 million. It is the biggest-ever seizure of controlled pharmaceutical drugs in terms of value that Hong Kong customs has detected," she said. [...]

30 Public Notification: Kangaroo Intense Alpha 3000 contains hidden drug ingredient - 2021-12-08

Publication date	2021-12-08
Create date	2021-12-13
Score	10.41
Report id	1312852
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: Public Notification: Kangaroo Intense Alpha 3000 contains hidden drug ingredient

Click here to see the [Original Article](#)

Table 58: Places for report 1312852

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Kangaroo Intense Alpha 3000 contains sildenafil, the active ingredient in the FDA-approved prescription drug Viagra, used to treat erectile dysfunction. FDA's approval of Viagra is restricted to use under the supervision of a licensed health care professional. This undeclared ingredient may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

31 Fake Viagra among record HK\$55 million seizure of controlled pharmaceuticals

Publication date	2021-10-24
Create date	2021-10-28
Score	10.32
Report id	1264629
Category	Erectile dysfunction medicine
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Fake Viagra among record HK\$55 million seizure of controlled pharmaceuticals South China Morning Post

Click here to see the [Original Article](#)

Table 59: Places for report 1264629

Region Name	Country	Location	Latitude	Longitude
Eastern Asia	Hong Kong	Hong Kong	22.27832	114.17469
Southern Asia	India	Republic of India	22	79

Table 60: Drugs for report 1264629

Medicine Name	Medicine Class	Action	ATC Code
tadalafil	Drugs used in erectile dysfunction	urologicals	G04BE08
sildenafil	Drugs used in erectile dysfunction	urologicals	G04BE03

Notes: Anti-impotence drugs formed the bulk of a record HK\$55 million (US\$7 million) haul of controlled pharmaceutical products seized in a customs crackdown on a transnational syndicate, which allegedly mailed the tablets to customers around the world from its operations centre in Hong Kong. Customs officers arrested three women and two men during a series of citywide raids over the past month in which they confiscated 1.6 million pills disguised as general goods

that had been flown in from India. More than 70 per cent of the prescription or controlled drugs, valued at HK\$41 million, were for treating erectile dysfunction and contained either sildenafil or tadalafil. Tablets for countering depression and prostate-related illnesses were also seized. Senior Superintendent Rita Li Yim-ping, head of the Customs and Excise Department's syndicate crimes investigation bureau, said on Monday that most of the drugs were generic, but about 60,000 were counterfeit Viagra or Cialis. [...]

32 Public Notification: Titanium 18K contains hidden drug ingredients - 2021-10-14

Publication date	2021-10-14
Create date	2021-10-18
Score	10.23
Report id	1253578
Category	Nutritional supplement
Quality	Substandard
Source	Website(s)
Curation	Manually curated
Incident or General	Incident

Snippet: The Food and Drug Administration is advising consumers not to purchase or use Titanium 18K, a product promoted and sold for sexual enhancement on various websites and possibly in some retail stores.

Click here to see the [Original Article](#)

Table 61: Places for report 1253578

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Notes: [...] FDA laboratory analysis confirmed that Titanium 18K contains sildenafil and tadalafil, the active ingredients in the FDA-approved prescription drugs Viagra and Cialis, respectively, used to treat erectile dysfunction. FDA approvals of Viagra and Cialis are restricted to use under the supervision of a licensed health care professional. These undeclared ingredients may interact with nitrates found in some prescription drugs, such as nitroglycerin, and may lower blood pressure to dangerous levels. People with diabetes, high blood pressure, high cholesterol, or heart disease often take nitrates. [...]

33 Customs Marine transfers N62m harmful drugs to NAFDAC

Publication date	2021-10-29
Create date	2021-11-02
Score	10.00
Report id	1269831
Category	Herbal medicine, Nutritional supplement, Other, Vitamin
Quality	Substandard
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Customs Marine transfers N62m harmful drugs to NAFDAC Vanguard

Click here to see the [Original Article](#)

Table 62: Places for report 1269831

Region Name	Country	Location	Latitude	Longitude
Western Africa	Nigeria	Federal Republic of Nigeria	10	8

Table 63: Drugs for report 1269831

Medicine Name	Medicine Class	Action	ATC Code
		vitamin b-complex, incl. combinations	A11E
			A11
	Vitamins	i.v. solution additives	B05XC

Notes: Western Marine Command of the Nigeria Customs Service has handed over seized drugs worth N62.3 million to the National Agency for Food and Drug Administration Control, NAFDAC.

Controller of the Command, Deputy Comptroller E. Ochiba, during the brief handover ceremony, explained that smugglers had reworked the expiry details of the drugs. He further explained that the drugs which were intercepted by its patrol team based on credible intelligence along Abumbum-Ojo waterway, includes 817 Bottles of B-Vital, 1,158 Bottles of Kordy-capsule, 3,110 Bottles of Double Ginseng, 619 Bottles of Detoxina and 607 Bottles of B-care. The prod-

ucts also include 198 Sachets of Ninhuang Jeedu pian, 1,200 Sachets of St Formula, 475 Bottles of Apetamin Syrup, 7 Bottles of Spinsure Table, and 17 Bottles of Danshen Plus. Others are 7 Bottles of Arthro capsule, 13 Bottles of Spinsore Pill, 123 Bottles of Chitomeala and Bundles of printed labels of Double Ginseng with Batch no. DG 04021. [...]

34 Contaminated drugs found in illicit supply across Thompson Okanagan | iNFOnews | Thompson-Okanagan's News Source

Publication date	2021-11-06
Create date	2021-11-16
Score	9.13
Report id	1278900
Category	Psychoactive substance, Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Contaminated drugs found in illicit supply across Thompson Okanagan | iNFOnews | Thompson-Okanagan's News Source iNFOnews

Click here to see the [Original Article](#)

Table 64: Places for report 1278900

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	British Columbia	53.99983	-125.0032
Americas	Canada	Kamloops	50.66648	-120.3192
Americas	Canada	Penticton	49.48062	-119.58584

Table 65: Drugs for report 1278900

Medicine Name	Medicine Class	Action	ATC Code
fentanyl	Opioid anesthetics	anesthetics, general	N01AH01
fentanyl	Phenylpiperidine derivatives	opioids	N02AB03
ketamine	Other general anesthetics	anesthetics, general	N01AX03

Notes: Powder drugs users are being warned the drug supply has been contaminated in Kamloops, Vernon and Penticton.

In Kamloops there is meth being sold as ketamine. The meth – rainy, white, crystalline powder – looks similar to ketamine, according to a drug alert issued by Interior Health. [...] In Vernon,

Interior Health reported benzodiazepine and extremely large amounts of fentanyl are being sold as fentanyl, also known as "down." It presents an extremely high risk of overdose and appears as a beige crystal. [...] In Penticton, a cocktail of Clonazepam (benzodiazepine), fentanyl and meth is being sold as crystal meth. [...]

35 Customs Strike Force Seizes N6.1m Hard Drugs in Katsina

Publication date	2021-12-21
Create date	2021-12-23
Score	9.10
Report id	1327411
Category	Antipyretic, Antibiotic, Nutritional supplement, Other
Quality	Diverted/Unregistered
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Customs Strike Force Seizes N6.1m Hard Drugs in Katsina THISDAY Newspapers

Click here to see the [Original Article](#)

Table 66: Places for report 1327411

Region Name	Country	Location	Latitude	Longitude
Western Africa	Nigeria	Katsina	12.99082	7.60177

Table 67: Drugs for report 1327411

Medicine Name	Medicine Class	Action	ATC Code
oxytetracycline	Tetracycline and derivatives	antibiotics for topical use	D06AA03
oxytetracycline	Antibiotics	antiinfectives and anti-septics, excl. combinations with corticosteroids	G01AA07
oxytetracycline	Tetracyclines	tetracyclines	J01AA06
oxytetracycline	Antibiotics	antiinfectives	S01AA04
paracetamol	Anilides	other analgesics and antipyretics	N02BE01

Table 68: Other Stories

ID	Title	Link
1328217	Customs intercept smuggled drugs with fake NAF-DAC number in Katsina	Link

Table 68: Other Stories(continued)

ID	Title	Link
1328818	Customs Seizes Over N6m Worth Of Assorted Sex Drugs In Katsina	Link
1328876	Customs Seizes Over N6m Worth Of Fake Aphrodisiacs In Katsina	Link
1329492	Customs seize sex drugs worth millions with fake NAFDAC registration in Katsina	Link
1338963	Customs Strike Force Seize N6.1m Hard Drugs in Katsina	Link

Notes: The Nigeria Customs Service (NCS), Strike Force Zone B, has intercepted N6.1 million foreign hard drugs with fake National Agency for Food and Drugs Administration and Control (NAFDAC) registration number in Katsina State. [...] He listed the seized drugs to include 52 cartons of EJAC powder manpower, hymphashy capsule, amipara plus capsule, bobarak capsule manpower, Sacks manpower, goldfly, gonorrhoea capsule and ginseng coffee manpower, among others. [...]

36 Diabetes drug recalled for cancer risk | Gaz | emporiagazette.com

Publication date	2021-12-29
Create date	2022-01-04
Score	7.72
Report id	1339355
Category	Antidiabetic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Diabetes drug recalled for cancer risk | Gaz | emporiagazette.com Emporia Gazette

Click here to see the [Original Article](#)

Table 69: Places for report 1339355

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 70: Drugs for report 1339355

Medicine Name	Medicine Class	Action	ATC Code
metformin	Biguanides	blood glucose lowering drugs, excl. insulins	A10BA02

Table 71: Other Stories

ID	Title	Link
1359295	Top in endocrinology: ADA guideline updates, metformin recall	Link
1368122	Recall report: Another month, another issue with NDMA	Link
1387520	Viona Pharmaceuticals Inc., Issues Voluntary Nationwide Recall of Metformin HCl Extended- Release Tablets, USP 750 mg, Due to the Detection of N-Nitrosodimethylamine (NDMA) Impurity	Link

Notes: A medicine prescribed to people with type 2 diabetes is being recalled, because a cancer-causing ingredient could be mixed in.

The Food and Drug Administration announced Tuesday that Viona Pharmaceuticals is recalling Metformin Hydrochloride Extended-Release Tablets nationwide.

The medicine could be contaminated with NDMA, which laboratory tests have found can cause cancer. The recall involves 33 lots with the number M008132. [...]

37 Global Sanitizers LLC - 614124 - 11/08/2021 - 2021-11-16

Publication date	2021-11-16
Create date	2021-11-19
Score	7.67
Report id	1289146
Category	Antiseptic
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: CGMP/Finished Pharmaceuticals/Adulterated

Click here to see the [Original Article](#)

Table 72: Places for report 1289146

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Las Vegas	36.17497	-115.13722

Table 73: Drugs for report 1289146

Medicine Name	Medicine Class	Action	ATC Code
ethanol	Other antiseptics and disinfectants	antiseptics and disinfectants	D08AX08
ethanol	Antidotes	all other therapeutic products	V03AB16
ethanol	Nerve depressants	all other therapeutic products	V03AZ01

Notes: [...] MEDICALLY MINDED Hand Sanitizer Gel Antimicrobial Formula, collected at your facility, is labeled to contain 70% volume/volume (v/v) of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of a batch of this product collected during the inspection found that the drug product contained on average 0% ethanol and an average of 58% methanol v/v. Additionally, the drug product MEDICALLY MINDED Hand Sanitizer Gel Antimicrobial with Vitamin E & Moisturizer, purported to be manufactured at your facility, is labeled to contain 70% v/v of the active ingredient ethyl alcohol (ethanol). However, FDA laboratory testing of this batch of this product obtained from the commercial market found that the drug product contained an average of 32% ethanol v/v and an average of 7.4%

methanol v/v. Therefore, these hand sanitizer drug products are adulterated under section 501(d)(2) of the FD&C Act in that the active ingredient, ethanol, was substituted wholly or in part with methanol, a dangerous chemical when in contact with human skin or ingested. [...]

38 Spurious medicines glut rural areas, Who will check the menace? - Sentinelassam

Publication date	2021-11-03
Create date	2021-11-11
Score	7.00
Report id	1275903
Category	Not applicable
Quality	Falsified
Source	Private pharmacy
Curation	Manually curated
Incident or General	Incident

Snippet: Spurious medicines glut rural areas, Who will check the menace? - Sentinelassam The Sentinel Assam

Click here to see the [Original Article](#)

Table 74: Places for report 1275903

Region Name	Country	Location	Latitude	Longitude
Southern Asia	India	Nagaon	26.35037	92.69225

Notes: Fake and spurious medicines have glutted markets in the remote and rural areas in the state. And the role of drug inspectors to check the menace is not up to mark. [...] The agents of fake medicines choose far-flung areas like sars where pharmacies without a licence also thrive. These pharmacies purchase spurious drugs and sell them at cheaper rates. Sources said that the police arrested an agent from Nagaon and recovered spurious tablets and capsules from him recently. The person had been selling medicines to various pharmacies in Nagaon for a long time. According to sources, fake medicine rackets have tie-ups with parties for manufacturing spurious medicines. They package the spurious drugs on their own. Pharmacies in rural areas buy spurious drugs for the high-profit margins, and patients buy them for the low price. Such medicines, locally called bhusi dorob (made from rice bran), even glut the weekly markets in rural areas in the state. [...]

39 Sac County man indicted for online drug sales

Publication date	2021-10-28
Create date	2021-11-07
Score	6.24
Report id	1269412
Category	Erectile dysfunction medicine, Psychoactive substance, Anxiolytic, Other
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Sac County man indicted for online drug sales Gold Country Media

Click here to see the [Original Article](#)

Table 75: Places for report 1269412

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Sacramento	38.58157	-121.4944

Table 76: Drugs for report 1269412

Medicine Name	Medicine Class	Action	ATC Code
alprazolam	Benzodiazepine derivatives	anxiolytics	N05BA12
sildenafil	Drugs used in erectile dysfunction	urologicals	G04BE03

Table 77: Other Stories

ID	Title	Link
1228089	Feds arrest former California state IT worker in alleged dark web counterfeit drug scam	Link

Notes: [...] Jonathan Patrick Turrentine, 39, of Sacramento County, is charged with 11 counts of distribution of controlled substances, including methamphetamine, amphetamine, MDMA (ecstasy), LSD and psilocybin (psychedelic mushrooms); one count of possession with intent to

distribute psilocybin; and one count of money laundering, Acting U.S. Attorney Phillip A. Talbert announced. [...] In December 2019, Sacramento agents learned that federal and local law enforcement agencies in Orange County were investigating the death of an 18-year-old whom they believe committed suicide after taking counterfeit Xanax purchased on the darknet. The victim's computer showed the victim bought products through darknet market accounts, including from "CaliPlugMike" on the Empire Marketplace. Agents determined that the delivery to the victim from CaliPlugMike had been mailed from Sacramento. Around this time, agents also became aware of another darknet vendor operating in San Diego, whom San Diego agents said was sourcing drugs from CaliPlugMike. [...] Posing as Empire Marketplace customers, federal agents placed orders from Turrentine for marijuana, MDMA, LSD and various pills purporting to be Adderall, Xanax, and Viagra. Agents also bought a list of 1.4 billion email addresses and passwords for \$1, which Turrentine's vendor page described as "compiled from over 100 breaches into a simple plain text file you can read." His page further explained that "most people have changed their email password but most people use the same password across multiple sites." Agents paid for all orders in bitcoin or another cryptocurrency. [...]

40 Health chiefs recall batches of blood pressure pills because they contain cancer-causing chemical

Publication date	2021-11-30
Create date	2021-12-06
Score	6.01
Report id	1303793
Category	Cardiovascular medicine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Health chiefs recall batches of blood pressure pills because they contain cancer-causing chemical Daily Mail

Click here to see the [Original Article](#)

Table 78: Places for report 1303793

Region Name	Country	Location	Latitude	Longitude
Europe	United Kingdom	England	52.16045	-0.70312

Table 79: Drugs for report 1303793

Medicine Name	Medicine Class	Action	ATC Code
irbesartan	Angiotensin II receptor blockers (ARBs), plain	angiotensin ii receptor blockers (arbs), plain	C09CA04

Table 80: Other Stories

ID	Title	Link
1303865	Health Chiefs Recall Batches Of Blood Pressure Pills Because They Contain Cancer-causing Chemical -	Link
1304304	Health chiefs recall blood pressure pills because of cancer chemical	Link

Notes: Dozens of batches of a blood pressure pills have been recalled due to being contaminated with 'unacceptable' levels of a potentially cancer causing chemical.

Pharmacies and health professionals were ordered to immediately stop supplying 44 batches of the drug irbesartan and quarantine all remaining stock after they were found to contain a substance called ABZT. [...] Officials say the affected batches, under the brand name Aprovel, consist of more than 1,200 pills distributed since November 2019.

Most of the batches distributed in 2020 but some have been prescribed as recently June this year. [...]

41 Man facing manslaughter charge after woman dies from drug overdose

Publication date	2021-11-12
Create date	2021-11-21
Score	5.74
Report id	1285704
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Man facing manslaughter charge after woman dies from drug overdose WKYT

Click here to see the [Original Article](#)

Table 81: Places for report 1285704

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Richmond	37.74786	-84.29465

Table 82: Drugs for report 1285704

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Notes: A man is facing a manslaughter charge after police say he sold drugs to a woman which resulted in her death from an overdose.

According to Richmond Police, on August 11, officers responded to a home on South Killarney in reference to a dead female.

Investigators later determined the victim overdosed on Carfentanil. Detectives discovered the victim purchased what she believed to be pain pills, Percocet, and took one.

Police say the pills were later confirmed to be Carfentanil and not Percocet. [...]

42 Public called to halt use of adulterated hand sanitisers – Borneo Bulletin Online

Publication date	2021-10-01
Create date	2021-10-07
Score	5.68
Report id	1238278
Category	Antiseptic
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Public called to halt use of adulterated hand sanitisers – Borneo Bulletin Online
Borneo Bulletin Online

Click here to see the [Original Article](#)

Table 83: Places for report 1238278

Region Name	Country	Location	Latitude	Longitude
Southern Asia	Singapore	Republic of Singapore	1.36667	103.8
South-Eastern Asia	Brunei Darussalam	Brunei Darussalam	4.5	114.66667

Notes: The Ministry of Health (MoH) yesterday said 18 types of hand sanitisers which have been alerted by the Health Sciences Authority, Singapore through the ASEAN Post-Market System (PMAS), were found to contain an undeclared chemical exceeding the safety limit.

The affected hand sanitisers are: Asepto Professional Hand Sanitiser (60ml) batch number B42M; all batches of Cuticura Hand Sanitizer (50ml) ; all batches of Epi KleenGel Hand Sanitizer Gel (500ml); Guardian Lavender & Passion Flower Antibacterial Hand Sanitiser (250ml) batch number 982KDF; Guardian Aloe & Korean – Mint Antibacterial Hand Sanitiser (50ml) batch number 0D32DF; Kundal Fresh Water Hand Sanitizer+ (500ml) batch number BN227; and all batches of Sanitelle Instant Hand Sanitiser Antiseptic Gel Kids (60ml).

Meanwhile, all batches of Cath Kidston Moisturising Hand Sanitiser (15ml); all batches of Redmoon Bacteriostat Wash Free Hand Wash Gel (60ml); all batches of We11 Daily Instant Hand Sanitiser (60ml); all batches of Cool Day's Peppermint Instant Hand Sanitiser (70ml); Walch Instant Hand Sanitizer (250ml) batch number TG01; all batches of TP 706 Hand Sanitiser (500ml); and Lifebuoy Instant Hand Sanitiser (50ml) batch number OD13UL are also affected. The statement also listed FairPrice Hand Sanitiser Lavender (60ml) batch number 01251-001;

all batches of Germ-X Advanced Hand Sanitizer Original Scent (354ml); all batches of Sanigen Gel Hand Refreshing Gel (600ml); and all batches of Yuri Hand Gel Green Tea Extract (175ml) as affected products.

The products are not allowed to be imported and sold in Brunei.

43 Accused Snohomish County drug trafficker faces sentencing in illegal pill operation

Publication date	2021-11-22
Create date	2021-11-24
Score	5.67
Report id	1295816
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Accused Snohomish County drug trafficker faces sentencing in illegal pill operation
KOMO News

Click here to see the [Original Article](#)

Table 84: Places for report 1295816

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Washington	47.50012	-120.50147
Americas	United States	Snohomish	47.91288	-122.09818

Table 85: Drugs for report 1295816

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Notes: A man described by federal prosecutors as one of the most prolific drug traffickers in Western Washington was sentenced Tuesday to prison in connection with the illegal drug sales. [...] Investigators said Pelayo knew the dangers of selling fake Percocet, which are oxycodone pills laced with fentanyl that can be lethal.

"They imported pure or nearly pure fentanyl," said Karyn Johnson, an assistant U.S. attorney, adding that a trove of pills were seized from Pelayo's Arlington home. "Each of these pills carries with it a potential death sentence for the person who consumes it," authorities said. [...]

44 Fort Wayne mother charged in children’s fentanyl overdose, death of 1

Publication date	2021-10-12
Create date	2021-10-13
Score	5.52
Report id	1251038
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Fort Wayne mother charged in children’s fentanyl overdose, death of 1 WANE

Click here to see the [Original Article](#)

Table 86: Places for report 1251038

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Fort Wayne	41.1306	-85.12886

Table 87: Drugs for report 1251038

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Table 88: Other Stories

ID	Title	Link
1251229	US sees fentanyl overdose record; Fort Wayne mom makes plea to include drug on routine testing	Link

Notes: [...] According to the probable cause affidavit, on the evening of Sept. 29, Fort Wayne dispatch received a 911 call from Johnson who told dispatch that her children "got into something." She said the children got into "Perc 30 pills" with the "M30 small blue 30" which she

took from time to time. [...] Johnson was interviewed again at the hospital where she told police that she knew the pills she purchased on the street were not actually Percocet and that the pills contained fentanyl. She said she "takes two at a time because some are stronger" than others. Johnson said she smoked marijuana everyday and takes the fentanyl pill when she gets depressed. [...]

45 Taro Pharmaceuticals U.S.A. Issues Voluntary Nationwide Recall of Clobetasol Propionate Ointment USP, 0.05%, 60 g Tubes, Lot AC13786 Due to Microbial Contamination - 2021-12-30

Publication date	2021-12-30
Create date	2022-01-05
Score	5.44
Report id	1341240
Category	Dermatological medicine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: Taro Pharmaceuticals U.S.A., Inc. ("Taro" or the "Company") is voluntarily recalling one (1) lot of Clobetasol Propionate Ointment USP, 0.05% packaged in 60 g tubes, to the consumer level. This recall ONLY applies to tubes labeled with "Lot AC13786" and "Exp Dec 2022". No other lots of this product

Click here to see the [Original Article](#)

Table 89: Places for report 1341240

Region Name	Country	Location	Latitude	Longitude
Americas	United States	United States	39.76	-98.5

Table 90: Drugs for report 1341240

Medicine Name	Medicine Class	Action	ATC Code
clobetasol	Corticosteroids, very potent (group IV)	corticosteroids, plain	D07AD01

Table 91: Other Stories

ID	Title	Link
1341333	Taro Pharmaceuticals USA Issues Voluntary Nationwide Recall of Clobetasol Propionate Ointment USP, 0.05%, 60 g Tubes, Lot AC13786 Due to Microbial Contamination	Link
1343588	Taro Pharmaceuticals U.S.A. Issues Voluntary Nationwide Recall of Clobetasol Propionate Ointment USP, 0.05%, 60 g Tubes, Lot AC13786 Due to Microbial Contamination	Link

Notes: Pharmaceuticals U.S.A., Inc. ("Taro" or the "Company") is voluntarily recalling one (1) lot of Clobetasol Propionate Ointment USP, 0.05% packaged in 60 g tubes, to the consumer level. This recall ONLY applies to tubes labeled with "Lot AC13786" and "Exp Dec 2022". No other lots of this product are impacted. Lot AC13786 is being recalled due to the presence of *Ralstonia pickettii* bacteria ("R. pickettii"), which was discovered by the manufacturer through routine testing. [...] Ninety-six (96) units of Lot AC13786 were distributed to two wholesale distributors in the U.S. market between November 16 and December 6, 2021. These two wholesale distributors may have further distributed this lot to their retail customers for prescription dispensing to patients who were prescribed Clobetasol Propionate Ointment USP, 0.05%, 60 g. [...]

46 Richfield man charged with murder for alleged role in fentanyl overdose death

Publication date	2021-12-29
Create date	2022-01-04
Score	5.39
Report id	1339796
Category	Opioid
Quality	Falsified
Source	Unlicensed outlets
Curation	Manually curated
Incident or General	Incident

Snippet: Richfield man charged with murder for alleged role in fentanyl overdose death KSTP

Click here to see the [Original Article](#)

Table 92: Places for report 1339796

Region Name	Country	Location	Latitude	Longitude
Americas	United States	Richfield	44.8833	-93.283

Table 93: Drugs for report 1339796

Medicine Name	Medicine Class	Action	ATC Code
oxycodone and paracetamol	Opioids in combination with non-opioid analgesics	opioids	N02AJ17

Notes: [...] The night before he died, D.S. urged his girlfriend to contact Ganpat to buy "Perc 30" pills, a counterfeit version of Percocet. The girlfriend, identified as R.V., contacted Ganpat via the encrypted messaging app Telegram and transferred \$60 via CashApp. A search warrant later revealed the CashApp account used to receive the funds was registered to Nick Ganpat at his address on the 7300 block of Penn Avenue South. [...] After interviewing R.V. about how they got the pills, police obtained a search warrant for Ganpat's home, where they found a safe containing more than \$700 in cash and a bag of Perc 30 pills. Ganpat told police that he sold marijuana, but denied selling the Perc 30s, saying, "I just buy large amounts for myself" and claiming he took up to 30 a day. [...]

47 'Male stamina' drugs seized from Halifax corner store can be dangerous, expert warns

Publication date	2021-10-18
Create date	2021-10-19
Score	4.72
Report id	1257119
Category	Nutritional supplement
Quality	Substandard
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: 'Male stamina' drugs seized from Halifax corner store can be dangerous, expert warns
CBC.ca

Click here to see the [Original Article](#)

Table 94: Places for report 1257119

Region Name	Country	Location	Latitude	Longitude
Americas	Canada	Halifax	44.64533	-63.57239

Table 95: Other Stories

ID	Title	Link
1272226	Male stamina drugs seized from Halifax corner store can be dangerous, expert warns CBC News	Link

Notes: The seizure of unauthorized erectile dysfunction drugs from a Halifax convenience store has prompted a warning from health officials about the potentially dangerous products. [...] Health Canada told CBC News via email that Rush Hour 72 was seized and tested in 2017 and was found to contain both sildenafil and tadalafil, prescription drugs used to treat erectile dysfunction. [...]

48 TGA issues warning on illegal erection dysfunction drugs

Publication date	2021-11-04
Create date	2021-11-14
Score	4.24
Report id	1276167
Category	Erectile dysfunction medicine, Nutritional supplement
Quality	Substandard or Falsified
Source	Unspecified outlet
Curation	Manually curated
Incident or General	Incident

Snippet: TGA issues warning on illegal erection dysfunction drugs PerthNow

Click here to see the [Original Article](#)

Table 96: Places for report 1276167

Region Name	Country	Location	Latitude	Longitude
Melanesia	Australia	Commonwealth of Australia	-25	135

Table 97: Other Stories

ID	Title	Link
1287340	Performance Online Services Pty Ltd fined \$53280 for alleged breaches concerning counterfeit erectile dysfunction medicines	Link

Notes: [...] The Panther Power Platinum 11000 and S.W.A.G II Platinum 33K products pose a "serious risk" to health and should not be taken, the Therapeutic Goods Administration (TGA) said on Thursday.

The TGA tested the capsules and found an undeclared substance, sildenafil, contained inside them. [...] It follows similar warnings the regulator made on Wednesday for 777K products and One Night Love tablets, which are also used to treat erectile dysfunction and illegal in Australia. [...]

49 New drug recall issued: Stop taking these cold & flu medicines immediately

Publication date	2021-12-16
Create date	2021-12-21
Score	3.58
Report id	1321858
Category	Respiratory diseases medicine
Quality	Substandard
Source	Manufacturer
Curation	Manually curated
Incident or General	Incident

Snippet: New drug recall issued: Stop taking these cold & flu medicines immediately BGR

Click here to see the [Original Article](#)

Table 98: Drugs for report 1321858

Medicine Name	Medicine Class	Action	ATC Code
guaifenesin	Expectorants	expectorants, excl. combinations with cough suppressants	R05CA03
dextromethorphan	Opium alkaloids and derivatives	cough suppressants, excl. combinations with expectorants	R05DA09
phenylephrine	Adrenergic and dopaminergic agents	cardiac stimulants excl. cardiac glycosides	C01CA06
phenylephrine	Sympathomimetics, plain	decongestants and other nasal preparations for topical use	R01AA04
phenylephrine	Sympathomimetics, combinations excl. corticosteroids	decongestants and other nasal preparations for topical use	R01AB01
phenylephrine	Sympathomimetics	nasal decongestants for systemic use	R01BA03
phenylephrine	Sympathomimetics excl. antiglaucoma preparations	mydriatics and cycloplegics	S01FB01

Table 98: Drugs for report 1321858(continued)

Medicine Name	Medicine Class	Action	ATC Code
phenylephrine	Sympathomimetics used as decongestants	decongestants and anti-allergics	S01GA05

Table 99: Other Stories

ID	Title	Link
1331047	Rompe Pecho Cold and Flu Medicine Recalled	Link
1335097	Check Your Medicine Cabinets: Popular Cold and Flu Medicine Is Being Recalled	Link

Notes: [...] Efficient Laboratories expanded its voluntary Rompe Pecho cold and flu drug recall this week to include an additional 12 lots of products that might be contaminated with microbes. The recall includes Rompe Pecho CF, Rompe Pecho EX, Rompe Pecho MAX, and Rompe Pecho DM. The drugmaker distributed these cold and flu drugs in 2019, but they don't expire until 2022. Therefore, buyers might still have several versions of these recalled drugs at home. [...]

50 Movers of illegal medicines put on notice

Publication date	2021-10-16
Create date	2021-10-20
Score	3.22
Report id	1259085
Category	Antibiotic, Analgesic, Medical device for screening/diagnosis/monitoring, Antitussive
Quality	Diverted/Unregistered
Source	Other
Curation	Manually curated
Incident or General	Incident

Snippet: Movers of illegal medicines put on notice The Star, Kenya

Click here to see the [Original Article](#)

Table 100: Places for report 1259085

Region Name	Country	Location	Latitude	Longitude
Eastern Africa	Kenya	Republic of Kenya	1	38

Table 101: Drugs for report 1259085

Medicine Name	Medicine Class	Action	ATC Code
			N02
	Antibiotics	intestinal antiinfectives	A07AA
	Antibiotics	agents for treatment of hemorrhoids and anal fissures for topical use	C05AB
	Antibiotics	antifungals for topical use	D01AA
	Antibiotics	antiinfectives and anti-septics, excl. combinations with corticosteroids	G01AA
	Antibiotics	antimycotics for systemic use	J02AA
	Antibiotics	drugs for treatment of tuberculosis	J04AB
	Antibiotics	throat preparations	R02AB

Table 101: Drugs for report 1259085(continued)

Medicine Name	Medicine Class	Action	ATC Code
	Antibiotics	antiinfectives	S01AA

Notes: General cargo handlers such as passenger buses, trucks, vans and courier service providers have been warned against illegal transportation of pharmaceuticals across the borders.

This comes after several consignments of Health Products and Technologies valued at Sh2 million were seized in a joint operation targeting border points.

Among the items seized in the operation were antibiotics, analgesics, cough syrups and diagnostic devices. [...]

51 North Korean dies of illness after taking counterfeit medicine

Publication date	2021-12-07
Create date	2021-12-14
Score	2.92
Report id	1312017
Category	Antibiotic, Other
Quality	Falsified
Source	Private pharmacy
Curation	Manually curated
Incident or General	Incident

Snippet: North Korean dies of illness after taking counterfeit medicine Radio Free Asia

Click here to see the [Original Article](#)

Table 102: Places for report 1312017

Region Name	Country	Location	Latitude	Longitude
Western Asia	Democratic People's Republic of Korea	Kilju	40.96417	129.32778
Western Asia	Democratic People's Republic of Korea	Ch'ŏng-am	37.95	125.46667

Table 103: Drugs for report 1312017

Medicine Name	Medicine Class	Action	ATC Code
	Antibiotics	intestinal antiinfectives	A07AA
	Antibiotics	agents for treatment of hemorrhoids and anal fissures for topical use	C05AB
	Antibiotics	antifungals for topical use	D01AA
	Antibiotics	antiinfectives and anti-septics, excl. combinations with corticosteroids	G01AA
	Antibiotics	antimycotics for systemic use	J02AA

Table 103: Drugs for report 1312017(continued)

Medicine Name	Medicine Class	Action	ATC Code
	Antibiotics	drugs for treatment of tuberculosis	J04AB
	Antibiotics	throat preparations	R02AB
	Antibiotics	antiinfectives	S01AA

Notes: A North Korean man has died after taking fake medication for his flu-like symptoms, one of many such casualties as the country struggles with a severe medicine shortage, sources told RFA. [...] Counterfeit medicines have flooded North Korea's markets, and as cold and flu season draws near, desperate people have no choice but to buy medicines they suspect are fake, on the off chance that they might be real. [...] Kilju county has been hit hard by the flu this year, and the pharmacies are stocking up on the counterfeit drugs, because that is all they can get, according to the source. [...] Among the drugs sold on the market are penicillin and myocilin said to be from various origins, as well as cold medicines resembling products sold in South Korea and Germany. The medicines can go for about 5,500 won (U.S. \$1.10) for 100ml on the high end, and 2,000 won on the low end, according to the source. [...]