Infectious Diseases Data Observatory Strategy

**Our vision**
A healthy future for populations most affected by infectious diseases, realised through global scientific partnerships.

**Our Strategic Pillars**

**Science**
Accelerate effective treatments and control of infectious diseases, by reusing individual participant data for research and evidence synthesis.

**Repository**
Enable research by improving our data infrastructure, incorporating FAIR principles (Findability, Accessibility, Interoperability, and Reusability), and engaging with data contributors.

**Equity**
Drive the benefits of data reuse to the communities actually affected by the diseases we study.

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**Strategic priorities within pillars**

<table>
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<tr>
<th>Science</th>
<th>Repository</th>
<th>Equity</th>
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<tbody>
<tr>
<td>Generate evidence to guide and treat infectious diseases</td>
<td>Collate, standardise, and make data available for multiple reuse</td>
<td>Address evidence gaps in neglected population and low resource settings</td>
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<tr>
<td>Increase visibility and reuse of IDDO repository data</td>
<td>Streamline the data curation lifecycle and the availability of enriched data</td>
<td>Ensure that academic credit is given to data contributors</td>
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<td>Enable novel research, by linking individual participant data with other data types and data sources</td>
<td>Extend living systematic review processes and decrease research waste</td>
<td>Collaborate with researchers working in/with disease-endemic communities</td>
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<td>Enable novel research, by developing data linkages across repositories and databases (including study registries, publications and funders)</td>
<td>Develop visualisation tools to interrogate data sets</td>
<td>Develop training and improve quality to support data collection, sharing and management</td>
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<td>Support better data management, dissemination of data standards, and sharing protocols and procedures</td>
<td>Maintain best practice data governance</td>
<td>Support capacity building through training and mentoring</td>
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**Key Takeaways**

- IDDO curates submitted data from many different sources in-house, to produce freely available harmonised datasets, enabling scientists to answer new research questions from existing data.
- We also provide the method, governance and infrastructure to translate clinical data into evidence to improve health outcomes worldwide.
- IDDO incorporates the pioneering WorldWide Antimalarial Resistance Network (WWARN), a collaborative data-sharing framework that proved that it is possible to produce policy-changing scientific evidence from pooling existing data.

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