WORLD HEALTH ORGANIZATION PLANS FOR USING BIG DATA AND ARTIFICIAL INTELLIGENCE TO ACHIEVING UNIVERSAL HEALTH COVERAGE

Bernardo Mariano Junior
CIO for World Health Organization
Where you live in the world dramatically affects your access to essential health services

#HealthForAll
Key concerns of AI

- Ethics, Privacy, confidentiality, data security, consent and data ownership.
- Quality of data set and the time to build and learn.
- Understanding of local, social, Epidemiological context.
- Internet connectivity and low resource setting.
Value creation through data streaming and regulatory processes in Healthcare

Data streaming events:
- Patient Reported Outcomes
- Prescription Refill
- Virtual Care

Collection Devices:
- Self Diagnostic
- Symptom Checker
- Cardiac Monitoring
- Wearable
- BioMetric Authentication
- Web Portal

Regulatory Stream Analysis

Event Actions:
- Policy makers
- Practitioners
- People

International bill of rights for health data.
<table>
<thead>
<tr>
<th>SO1</th>
<th>Promote global collaboration and advance the transfer of knowledge on digital health</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO2</td>
<td>Advance implementation of national digital health strategies</td>
</tr>
<tr>
<td>SO3</td>
<td>Strengthen governance for digital health at global and national levels</td>
</tr>
<tr>
<td>SO4</td>
<td>Advocate for people-centered health systems enabled by digital health</td>
</tr>
</tbody>
</table>
• Digital health technical advisory group
• Ethics & governance of AI
• Regulators meeting on AI
• Global meeting on digital health – challenges and opportunities
• International Digital Health & AI collaborative research
• Identify case studies of the use of Big Data and AI
We must ensure the AI revolution is safe, sustainable and leaves no one behind.