The future of open platforms in health: Making big data useful for the health innovation sector

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Table 1: Taxonomy

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Consideration</th>
<th>Examples</th>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td>What is it?</td>
<td>Dementia, app, diagnostic, pathway, wellness campaign</td>
</tr>
<tr>
<td>Purpose</td>
<td>Does the innovation do?</td>
<td>Treat cancer, manage diabetes, improve education, enable further innovation</td>
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<tr>
<td>Stage</td>
<td>How progressed is it?</td>
<td>Early stage, late tech, IP protection, proof of concept, testing, available</td>
</tr>
<tr>
<td>Target</td>
<td>Who benefits from the innovation?</td>
<td>Children, adults, end users, scientists, professionals, funders, changemakers</td>
</tr>
</tbody>
</table>

Our taxonomy transcends existing categorisation systems such as the ICD10. This is because innovations do perform a medical function (which suits ICD10 or NOMED) but exist in many forms (apps, pathways, campaigns, therapeutics, devices) and deploy through time (IP protection, trials, distribution, availability).

Figure 1: Data Structure

Our current data structure transcends existing categorisation systems such as the ICD10. This is because innovations do perform a medical function (which suits ICD10 or NOMED) but exist in many forms (apps, pathways, campaigns, therapeutics, devices) and deploy through time (IP protection, trials, distribution, availability).

Future research

We plan to build an iterative algorithm to converge to a more representative categorisation system borne from the data. We are interested to see what system can be converged to under this method with applied constraints to keep the system accessible to professionals and the public.

We are far from standardising all our data, but when we accomplish this, we believe we will have an online representation of the current health innovation ecosystem.

Health Horizon

The research has convinced us of the need for a centralised, searchable, and trackable online source of health innovations. In the spirit of innovation, we have launched Health Horizon (http://healthhorizon.com) to enhance this nascent solution. More information can be found at our stall here at the SMS MLC for the Victorian Fair.