

# Strategic Investment Area Development Group: Inputs

To ensure an evidence-based approach to setting national health research priorities, the Development Group who are to oversee the development process, will be provided with a range of information and data. An outline of the key information needs identified is provided below, including an extended, but by no means exhaustive, reading list that will be made available to the Development Group.

## Overview of Inputs for the Development Group

### 1. Why set priorities?

- 1.1 Background to the New Zealand Health Research Strategy (NZHRS), with an overview of the vision and actions, governance of the Strategy, the need for priorities, and Action 1 in relation to the other Actions. A summary of the consultation data gathered during consultation on the Strategy will be included.

### 2. The priority-setting process

- 2.1 A summary of the priority-setting process and its development including:
  - a) A review of formal methods and international best practice
  - b) An assessment of the suitability formal methods for the New Zealand context
  - c) The components of New Zealand's hybrid fit-for-purpose priority-setting method
  - d) A summary of consultation and submissions on the proposed process
  - e) An outline of the final process
- 2.2 A discussion of the scope and granularity of the proposed Strategic Investment Areas (SIAs), if priorities are to be structural versus thematic, and how priorities may fit in relation to existing strengths, weaknesses, gaps and opportunities of the New Zealand health research system.

### 3. New Zealand Context

- 3.1 Key demographic, health loss and burden of disease information will be synthesised from Ministry of Health publications and datasets (by gender, ethnicity, age, and the determinants of health). This will give context to health sector challenges, the health delivery context and structure of the health, health research and science and innovation sectors.
- 3.2 Overview of current strategies including, the New Zealand Health Strategy, New Zealand Disability Strategy, He Korowai Oranga, Ala Mo'ui and HRC Statement of Intent / Strategic Refresh.

- 3.3 Summary of available, recent consultation data from the New Zealand Health Research Strategy, New Zealand Health Strategy, National Science Challenges and other science sector priorities.
- 3.4 Consideration of alignment with international strategies or directives such as the Sustainable Development Goals, Australia New Zealand Science, Research and Innovation Cooperation Agreement or any World Health Organisation or United Nations declarations to which New Zealand is a signatory.

**4. Analysis of existing research strengths identified by data from:**

- Bibliometric data,
- the HRC Investment Impact Report 2015,
- recent Independent Research Organisation (IRO) mid-term review reports,
- identifying recipients of competitive, investigator led Vote RS&T funding,
- longitudinal studies,
- CoREs,
- the New Zealand Health Research Strategy consultation,
- Pacific health research, and
- Māori health research.

**5. Analysis of existing research capacity identified by data from:**

- the HRC's workforce data,
- collating a list of existing national and international networks,
- a stocktake of existing research infrastructure in New Zealand,
- Profile data on Vote RS&T investment by: \$, health issue, Frascati/Portfolio Mapping Category,
- Institutional Ethics Committees,
- Australia New Zealand Clinical Trials Registry (ANZCTR) and Health and Disability Ethics Committees (HDEC) data,
- Pacific health research stocktake data, and
- Ministry of Health, health services data.

**6. Analysis of existing research gaps identified by data from:**

- an analysis of the information gathered in Sections 4, 5, and 7 of this document,
- an analysis of clinical trial activity from ANZCTR compared with burden of disease information,
- the New Zealand Health Research Strategy consultation, and
- mapping investment against data on existing priorities.

**7. Analysis of existing research opportunities identified by data from:**

- an analysis of the information gathered in Sections 4 to 6 of this document,
- the Integrated Data Infrastructure (IDI),

- the National Research Information System (NRIS), and
- opportunities created by new discoveries and innovative technologies, including commercial opportunities.

## **8. Future, Emerging and International Context**

8.1 An outline of how climate change is expected to impact health, both in New Zealand and internationally.

8.2 A summary of global trends in health, including pandemic projections and New Zealand's preparedness.

## **9. Areas of special consideration**

The information collected for Sections 1 through 8 of the document will be used to prepare summaries of available information on areas of special consideration for New Zealand including:

- Maori health research
- Pacific health research
- Unmet health need
- Unmet healthcare need
- Innovation and commercialisation
- Equity

<b>Suggested Pre-reading</b>
Ministry of Business, Innovation and Employment and Ministry of Health. 2017. <b>New Zealand Health Research Strategy 2017–2027</b> . Wellington: MBIE and Ministry of Health.
Ministry of Health. 2016. <b>New Zealand Health Strategy</b> . Wellington: Ministry of Health.
Ministry of Business, Innovation and Employment. 2017. <b>Strategic Science Investment Fund Investment Plan 2017–2024</b> . Wellington: MBIE.
<b>Current health status of New Zealanders and health system</b>
Ministry of Health. 2017. <b>Health and Independence Report 2016</b> . Wellington: Ministry of Health. Available at: <a href="https://www.health.govt.nz/system/files/documents/publications/health-independence-report-2016-apr17.docx">https://www.health.govt.nz/system/files/documents/publications/health-independence-report-2016-apr17.docx</a>
Organisation for Economic Co-operation and Development. 2017 <b>OECD Health at a Glance 2017: OECD Indicators</b> . Paris: OECD. Available at: <a href="http://www.keepeek.com/Digital-Asset-Management/oecd/social-issues-migration-health/health-at-a-glance-2017_health_glance-2017-en#.Wnd0zKiWbD4">http://www.keepeek.com/Digital-Asset-Management/oecd/social-issues-migration-health/health-at-a-glance-2017_health_glance-2017-en#.Wnd0zKiWbD4</a>
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Ministry of Health. <b>Director General's Health and Independence Reports</b> . Wellington: Ministry of Health. Available at: <a href="http://www.health.govt.nz/about-ministry/corporate-publications/health-and-independence-reports">http://www.health.govt.nz/about-ministry/corporate-publications/health-and-independence-reports</a>
Ministry of Health. <b>Health Loss in New Zealand 1990-2013: A report from the New Zealand Burden of Diseases, Injuries and Risk Factors Study</b> . Wellington: Ministry of Health. Available at: <a href="https://www.health.govt.nz/system/files/documents/publications/health-loss-in-new-zealand-1990-2013-aug16.pdf">https://www.health.govt.nz/system/files/documents/publications/health-loss-in-new-zealand-1990-2013-aug16.pdf</a>
Ministry of Health. 2015. <b>Challenges to the New Zealand Health System</b> . Wellington: Ministry of Health. Available at: <a href="https://www.health.govt.nz/new-zealand-health-system/new-zealand-health-strategy-future-direction/challenges-and-opportunities">https://www.health.govt.nz/new-zealand-health-system/new-zealand-health-strategy-future-direction/challenges-and-opportunities</a>
Ministry of Health. 2017. <b>Implementing the New Zealand Health Strategy</b> . Wellington: Ministry of Health. Available at: <a href="http://www.health.govt.nz/about-ministry/corporate-publications/implementing-new-zealand-health-strategy">http://www.health.govt.nz/about-ministry/corporate-publications/implementing-new-zealand-health-strategy</a>
Health Quality & Safety Commission. 2017. <b>New Zealand Atlas of Healthcare Variation</b> . Wellington: HQSC. Available at: <a href="https://www.hiirc.org.nz/page/33706/new-zealand-atlas-of-healthcare-variation/?contentType=451&amp;section=10536">https://www.hiirc.org.nz/page/33706/new-zealand-atlas-of-healthcare-variation/?contentType=451&amp;section=10536</a>
Ministry of Social Development. <b>The Social Report 2016</b> . Wellington: MSD. Available at: <a href="http://socialreport.msd.govt.nz/documents/2016/msd-the-social-report-2016.pdf">http://socialreport.msd.govt.nz/documents/2016/msd-the-social-report-2016.pdf</a>
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Poynter M, et al. (2017). <b>Quality improvement: No quality without equity?</b> Wellington: Health Quality and Safety Commission New Zealand. Available at:

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Simpson J, et al. (2017). <b>Te Ohonga Ake The Health of Māori Children and Young People in New Zealand Series Two</b> . Dunedin: New Zealand Child and Youth Epidemiology Service, University of Otago. Available at: <a href="https://ourarchive.otago.ac.nz/bitstream/handle/10523/7390/MAORI%20REPORT%202015_20170620.pdf?sequence=5&amp;isAllowed=y">https://ourarchive.otago.ac.nz/bitstream/handle/10523/7390/MAORI%20REPORT%202015_20170620.pdf?sequence=5&amp;isAllowed=y</a>
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<b>Existing health research capacity and strengths in New Zealand</b>
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Ministry of Health. 2014. 'Ala Mo'ui: Pathways to Pacific Health and Wellbeing. Wellington: Ministry of Health. Available at <a href="http://www.health.govt.nz/system/files/documents/publications/ala-moui-pathways-to-pacific-health-and-wellbeing-2014-2018-jun14-v2.pdf">http://www.health.govt.nz/system/files/documents/publications/ala-moui-pathways-to-pacific-health-and-wellbeing-2014-2018-jun14-v2.pdf</a>
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Health Research Council. 2018. 5-years of data on workforce and research capacity for HRC-funded research (by health issue and population).
Health Research Council. 2018. 5-years of data on New Zealand clinical trials from the clinical trials register - <a href="http://www.anzctr.org.au/">http://www.anzctr.org.au/</a>
Ministry of Health. 5-year summary of all studies approved by Health and Disability Ethics Committees and Institutional Ethics Committees.

<b>Submissions for other relevant consultations on health research priorities</b>
Submissions to NZHRS, including results from Targeted Focus Group on prioritisation. Available at <a href="https://www.health.govt.nz/publication/new-zealand-health-research-strategy-2017-2027-summary-submissions-and-consultation">https://www.health.govt.nz/publication/new-zealand-health-research-strategy-2017-2027-summary-submissions-and-consultation</a>
Submissions to consultations on National Science Challenges (summary of health-related submissions) Available at: <a href="http://www.mbie.govt.nz/info-services/science-innovation/national-science-challenges/documents-image-library/key-documents/Potential-challenges-peak-panel-Health-demographic-change-wellbeing.pdf">http://www.mbie.govt.nz/info-services/science-innovation/national-science-challenges/documents-image-library/key-documents/Potential-challenges-peak-panel-Health-demographic-change-wellbeing.pdf</a>
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Submissions to consultation process for NZ Health Strategy. (Summary of submissions) Available at <a href="https://www.health.govt.nz/publication/update-new-zealand-health-strategy-analysis-submissions">https://www.health.govt.nz/publication/update-new-zealand-health-strategy-analysis-submissions</a>