



CIHR IRSC

Canadian Institutes of Health Research Instituts de recherche en santé du Canada

A CIHR Perspective on Research Evaluation

December 12, 2017

Sarah Viehbeck, Ph.D.

Head of Performance Measurement & Manager, Results and Impact



Acknowledgments

With grateful acknowledgment to Melanie Winzer, Chris Manuel, David Peckham, and other CIHR Performance and Accountability Branch members for contributing content and thinking

Context: CIHR



INVESTMENTS

\$1 billion

in annual investments

CIHR partners with over **250** organizations and governments

Close to **\$200 million** secured from partners for research

to provide financing for

13 000



researchers and trainees

70%

to support projects proposed by researchers.



30%

to support research priorities established by CIHR.



Context: *CIHR Act*

Objective

Objective

4 The objective of the CIHR is to excel, according to internationally accepted standards of scientific excellence, in the creation of new knowledge and its translation into improved health for Canadians, more effective health services and products and a strengthened Canadian health care system

Context: In Government



Policy on Results

- New policy emphasis on better aligning PM and Evaluation work
- Refresh of corporate reporting requirements



Deliverology

- Reporting on progress more regularly and in relation to specified mandate priorities



Learning Agenda

- Major opportunity to learn about how to measure impacts of research investments across science-based organizations within and outside of government

Context: Research Impact Assessment

Canadian leadership; International advances



Report of the Panel on the Return on Investments in Health Research
January 2009



Alberta
Innovates
Health
Solutions

ANNUAL IMPACT REPORT

2014-15

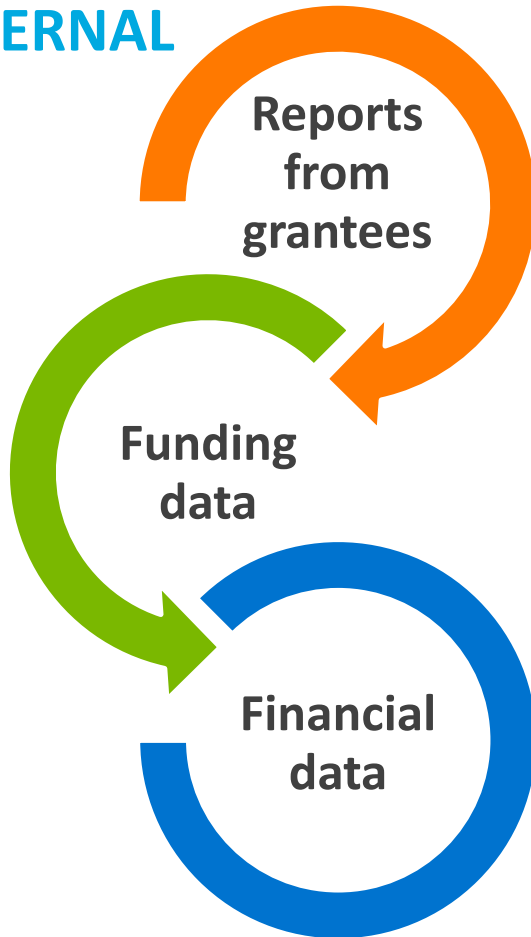


In the past

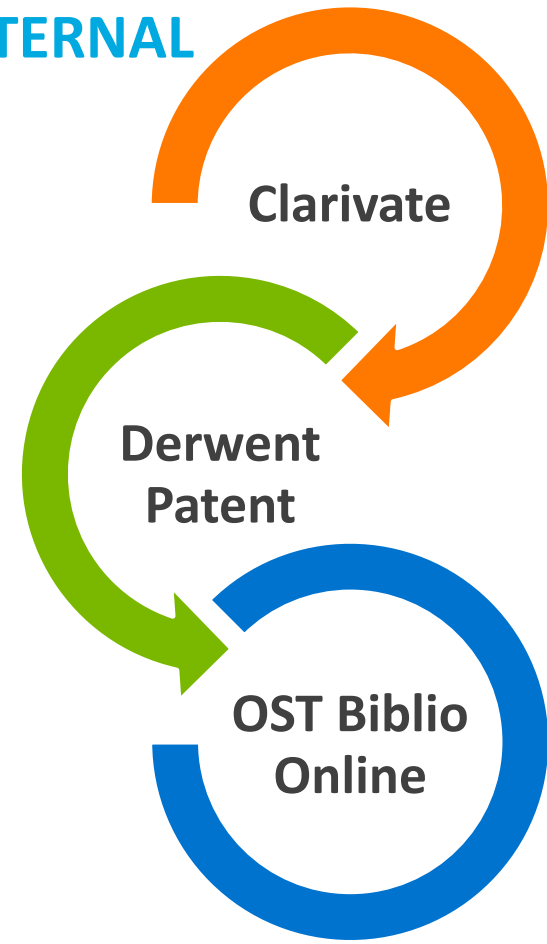
- **Monitoring and reporting of performance across CIHR was done in silos**
 - Redundancies & replication of efforts
 - Erroneous results stemming from lack of validation
 - Non comparable results
- **Lack of consistent grant and award outcome reporting**
 - Inconsistency in reporting across investments
 - Lack of “culture”

In the present: Data Sources

INTERNAL



EXTERNAL



In the present: What do these data support?

A corporate-wide, integrated performance measurement support for:

Accountability

- Allows for the monitoring and reporting of CIHR activities, outputs and outcomes for transparent accountability to stakeholders including Parliament

Assessment Research Impact

- Allows for the monitoring and reporting of health research outputs, outcomes and impacts (informed by Canadian Academy of Health Sciences (CAHS) Impact Framework)

Canadian Academy of Health Sciences

Making an Impact (2009)

Advancing
Knowledge

Capacity
Building

**Informing
Decision-Making**

Health Impacts

**Social and Economic
Impacts**



Implementation – Performance Measurement

Impacts of HOW we fund

- Priorities and processes for Initiative design, planning, operations and oversight
- NEW area of measurement; high relevance to program management and oversight

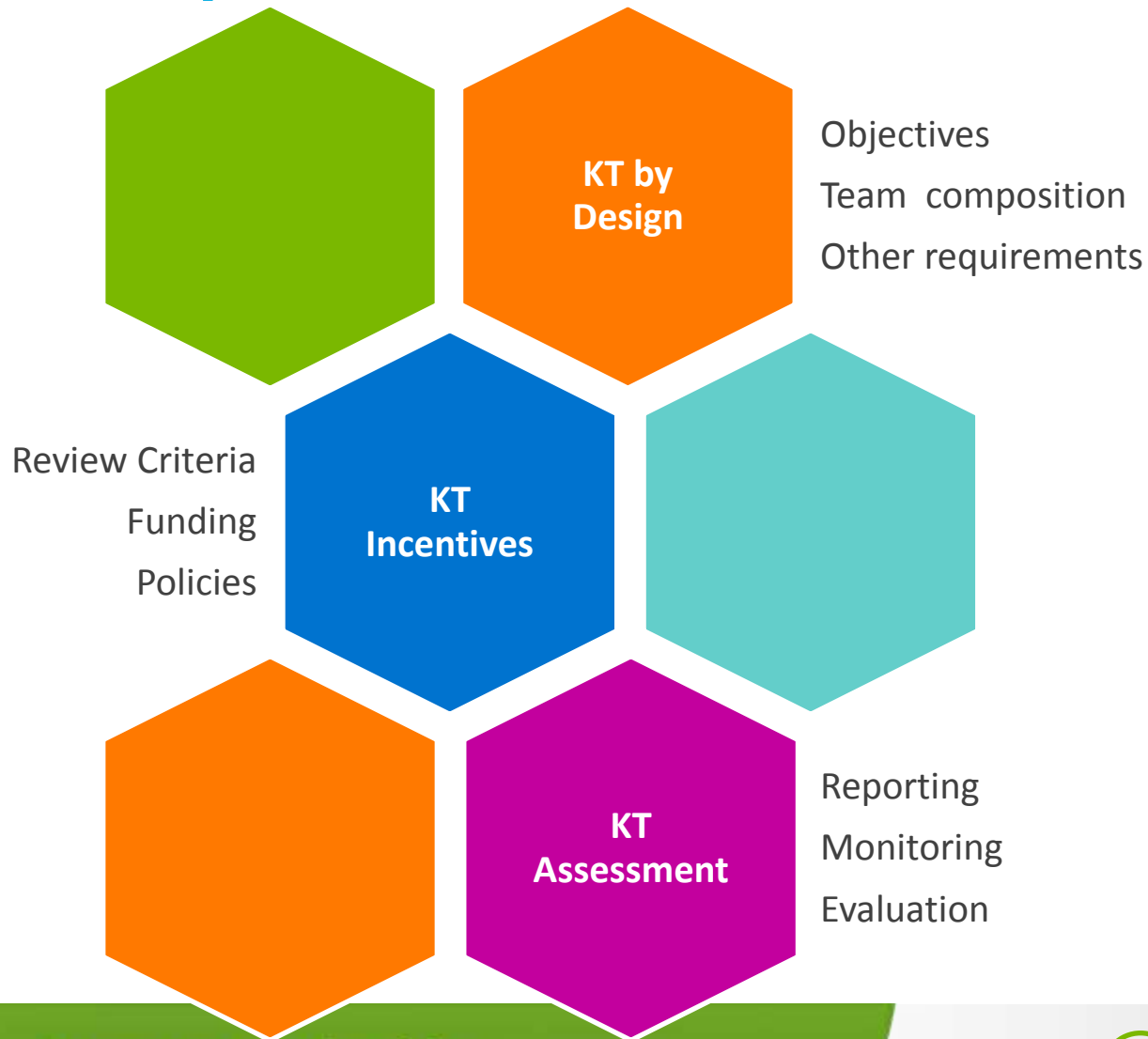
Impacts of WHAT we fund

- Research outputs and outcomes in short-, medium-, and long-term in areas like advancing knowledge, capacity building, informing decision-making
- EXISTING areas of measurement from PM Toolbox; often take too long to accrue to inform decisions, but useful for demonstrating funding outcomes

Impact enabled through ...

- Program design and delivery with clearly stated and deliberate objectives and impacts for Programs

Linking Design and Delivery to Knowledge Translation Impact



End-of-Grant Reporting: Self-Assessment of Impact

To what extent do you feel the research results from this grant contributed to the CIHR mandate?

- Creating new health knowledge
- Translating the knowledge from the research setting into real world applications
- Improving health for Canadians
- Creating more effective health services and products
- Strengthening the Canadian health care system

End-of-Grant Reporting: Self-Assessment of Impact

To what extent and how has your grant had an impact on the following stakeholders?

- Health System/Care Practitioners/Public Health Practitioners
- Patients/Consumer of Health System/Care
- Study Stakeholders (who are formally listed in the grant application)
- Health System/Care Managers
- Health System/Care Professional Organizations
- Federal/Provincial Representatives
- Community/Municipal Organizations
- Consumer Groups/Charitable Organizations

End-of-Grant Reporting: Self-Assessment of Impact

Which of the following have resulted or will result from this grant?

- Research method
- Theory
- Replication of research findings
- Tool, technique, instrument, or procedure
- Professional practice
- Policies, guidelines or programs
- Information or guidance for patients or public
- Patients' or public behaviour(s)
- Vaccines/Drugs
- Software/Database
- Patent (filled or obtained)
- Product license
- Spin-off company
- Intellectual property claim
- Direct cost savings (individual, organization, system, or population level)
- Findings cited by others (e.g. finding referenced/included in subsequent

Instrumental Use of Research Within and Beyond Academia: Objective Assessment

CIHR aims to improve the health of Canadians through through research, but ...

How is that research actually used toward health improvement?

Research evidence
e.g. Clinical trials, studies, meta-analysis, systematic reviews and research papers.



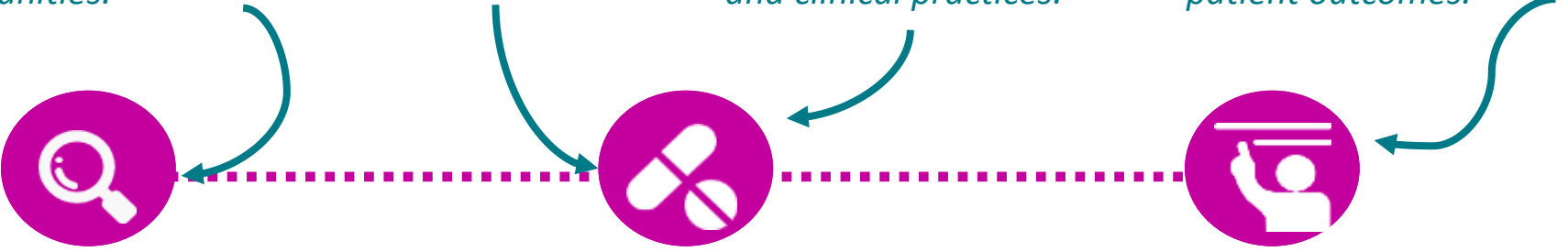
Health impacts
e.g. treatments, therapies, health related policy, discourse of science and research in the media.

CIHR supports research through grant and award funding opportunities.

Scientific journals publish and review research evidence.

New evidence informs guidelines, recommendations, policies, and clinical practices.

Health policies informed by research contribute to improved efficiency and patient outcomes.



In 2011...

- 5 researchers published a study of efficacy of medically supervised injection facilities for drug users
- This paper has been cited 75 times within the Web of Science (as of 04/04/2017).
- Authors acknowledge numerous organizations as sources of support including private industry (19) as well as MSFHR, CIHR, Health Canada and Vancouver Coastal Health.

Since 2011...

- This CIHR-supported article was used to support policy documents by organizations in Canada and Internationally, such as:
- 2016 City of Ottawa's technical report on safe injection sites
- 2015 Canadian Medical Association submission to Senate Standing Committee
- State of Maryland's 2016 House Bill 1212

How are these data and performance measures used?

Parliamentary Reporting

Periodic Impact Assessments

Evaluations

Public Reporting

Special Reports (e.g., Naylor; Peer Review Expert Panel)

Questions and Discussion

