



Mobilizing and Implementing Change: From Data, to Information, to Practice and Policy Change

SickKids

*Enhancing the effectiveness of health care
for Ontarians through research*

ICES Institute for Clinical
Evaluative Sciences

Mobilizing and Implementing Change

- **Important gaps in health care delivery and outcomes for children**
 - ▶ **Mangione-Smith et al, NEJM Oct 11,2007**
 - ▶ **Canada is less different than we would like to suppose**
- **Gaps in practice relate not to the “what” but the “how” to do**

Effective Implementation of Change in Practice

- What do we know?
- Change is hard!
 - ▶ “From best evidence to best practice: effective implementation of change in patients’ care”
 - ▶ Grol, Grimshaw *The Lancet* 2003;362:1225-60

Change in the Clinical Setting

- **No one intervention works across settings**
 - ▶ Audit and feedback
 - ▶ IT systems
- **Still a great deal to be learned, esp. for complex processes and outcomes**
 - ▶ Issues with the traditional continuous quality improvement paradigms
 - Generalizability
 - Use of *data and research evidence*
 - Use of controls
 - ▶ Pragmatic trials

Change in Policy

- **Gaps are in both the what and the how**
- **Populations not well optimally served at the health care system level**
- **Policy solutions**

Making a Policy Case -- Data

- **Administrative data**
 - ▶ Vital statistics
 - ▶ Hospitalization records
 - ▶ Physician Billings
- **Clinical registries**
 - ▶ Congenital anomalies
 - ▶ Cancer

Data cont'd

- **Population based**
- **Linkage across**
 - ▶ **continuum of care → health care system**
 - ▶ **Over time**
- **In the infancy of using these data to inform child health policy**
- **Capacity varies across Canada**

Making the Policy Case – more than just data

- Numbers aren't everything
- Effective and graphic communication