

*Informing the implementation of  
health technologies from research*

**How can HTA reports utilize research  
evidence when informing the uptake and  
delivery of new health technologies?**

**HTA for Health System Sustainability  
8th Annual meeting of HTAi  
Rio de Janeiro 2011**

# Delivery: The last mile problem

Now, **a new intervention** is not the end.  
It is not even the beginning of the end.  
But it is, perhaps, the end of the beginning.

paraphrasing Sir Winston Churchill, 1942

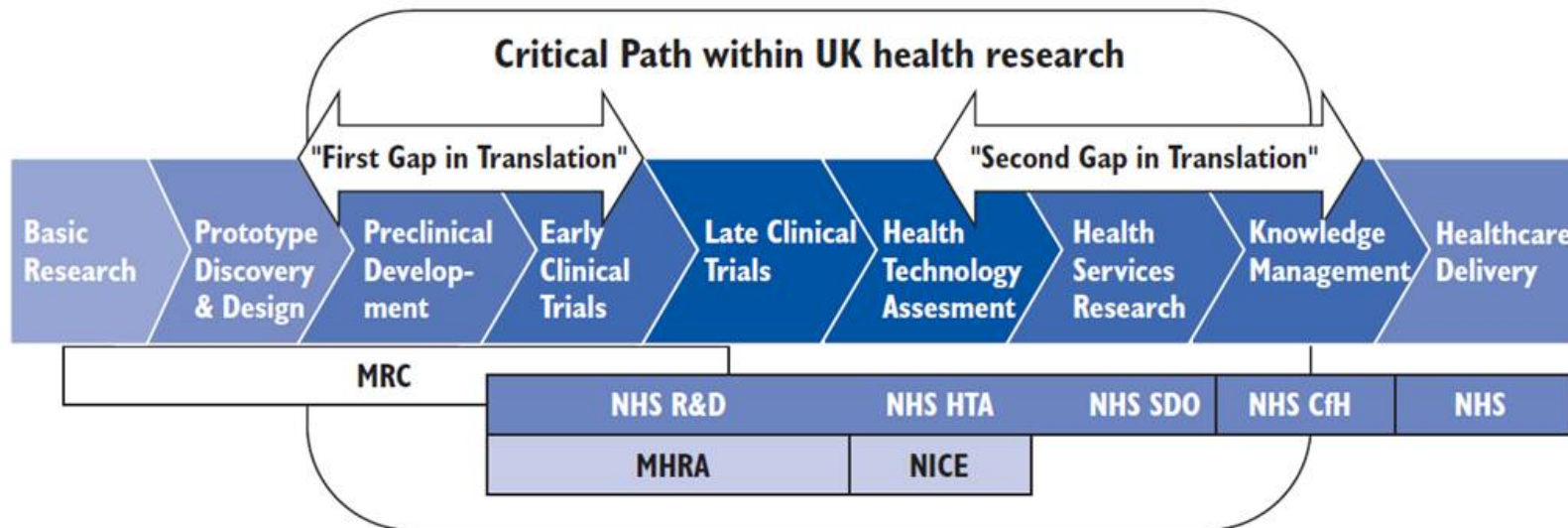
# Knowledge for implementation - a challenge

- There is still a long way to go to achieve the health related MDGs and other health goals
- To a large extent we have developed and evaluated technologies, clinical interventions and programmes that work in improving health
- However, these interventions do not reach out or are not delivered at scale
- Health system strengthening (HSS) is crucial for improving delivery and achieving goals
- An important knowledge domain for HSS is how to improve the implementation of effective interventions – **implementation research**

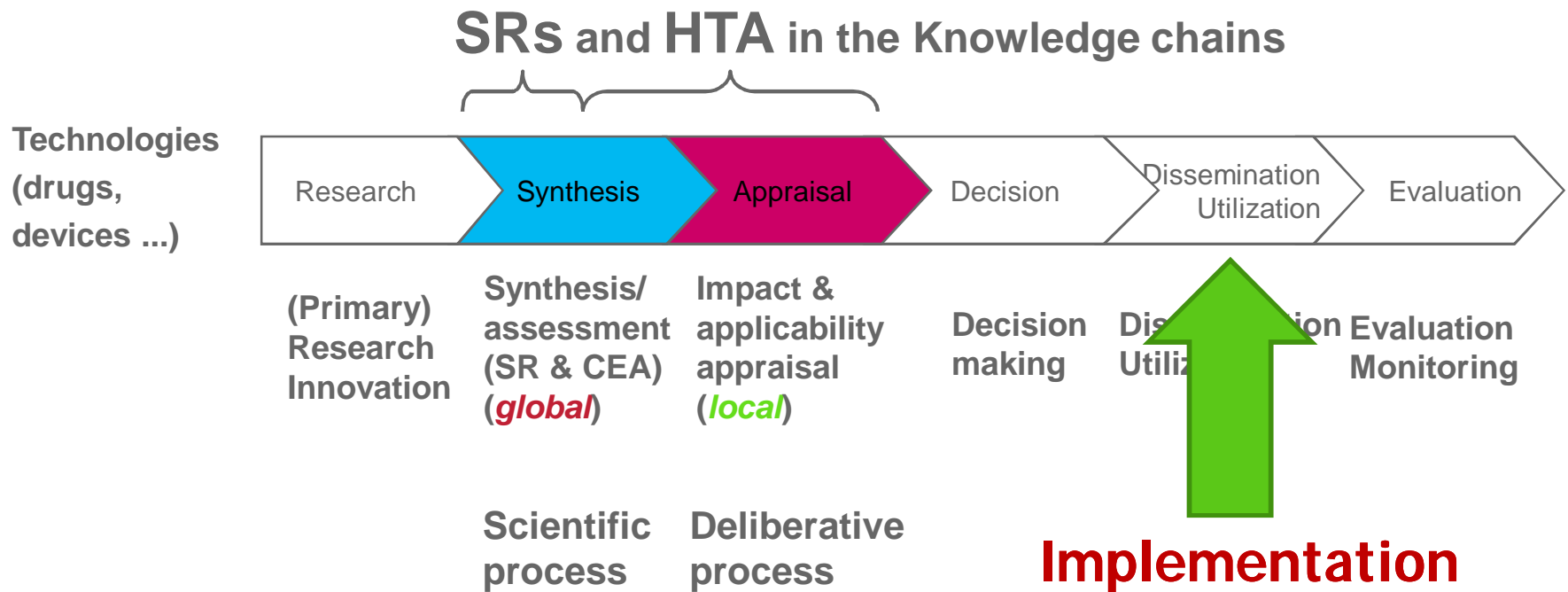
# Translational gaps

$t_1$  - health technologies/clinical interventions

$t_2$  - implementation



# The health sector value chain: the horizontal dimension



# Implementation issues in HTA reports: Organizational and patient related issues

- Effectiveness 48%, cost-effectiveness 37% and **ethical and social issues 17%**
  - (Lehoux et al 2004)
- Effectiveness 95%, cost-effectiveness 53% and **acceptability 25%**
  - (Draborg et al 2005)
- **Organizational and/or patient related issues 38%**
  - (Lee and Seest Linding 2007)

# Implementation issues in HTA reports

(Lavis et al 2010)

## Methods

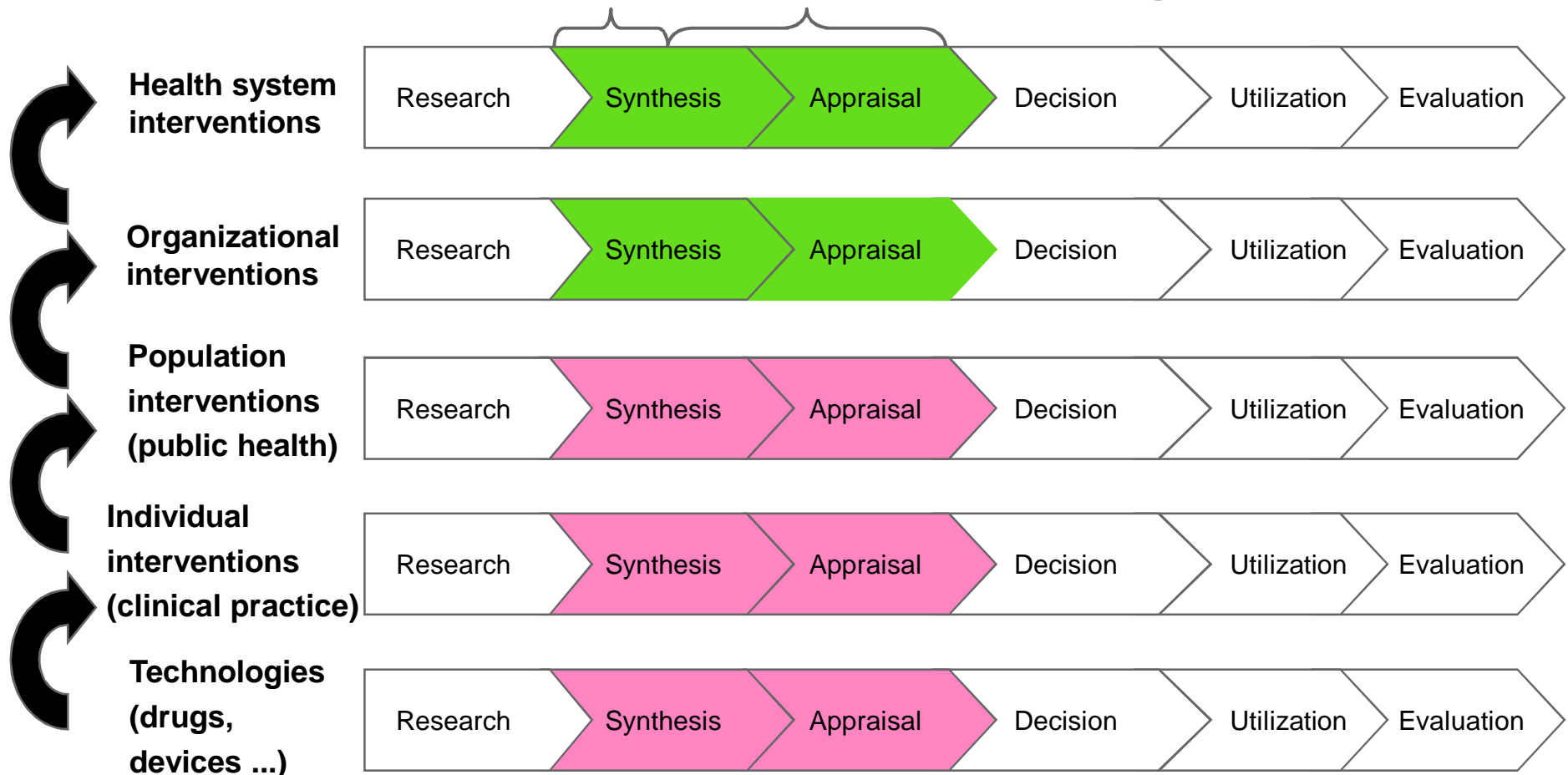
- **Systematic review** 49%
  - only
- **Economic evaluation** 2%
  - only
- **SR + EE** 38%
- **Full HTA** 5%
  - incl organizational...

(223 HTAs from Canada, USA, England and Denmark)



# Different levels of "technologies" vertical dimension

## SRs and HTA in the Knowledge chains



# Implementation/system topics in HTA reports

(based on Lavis et al 2010)

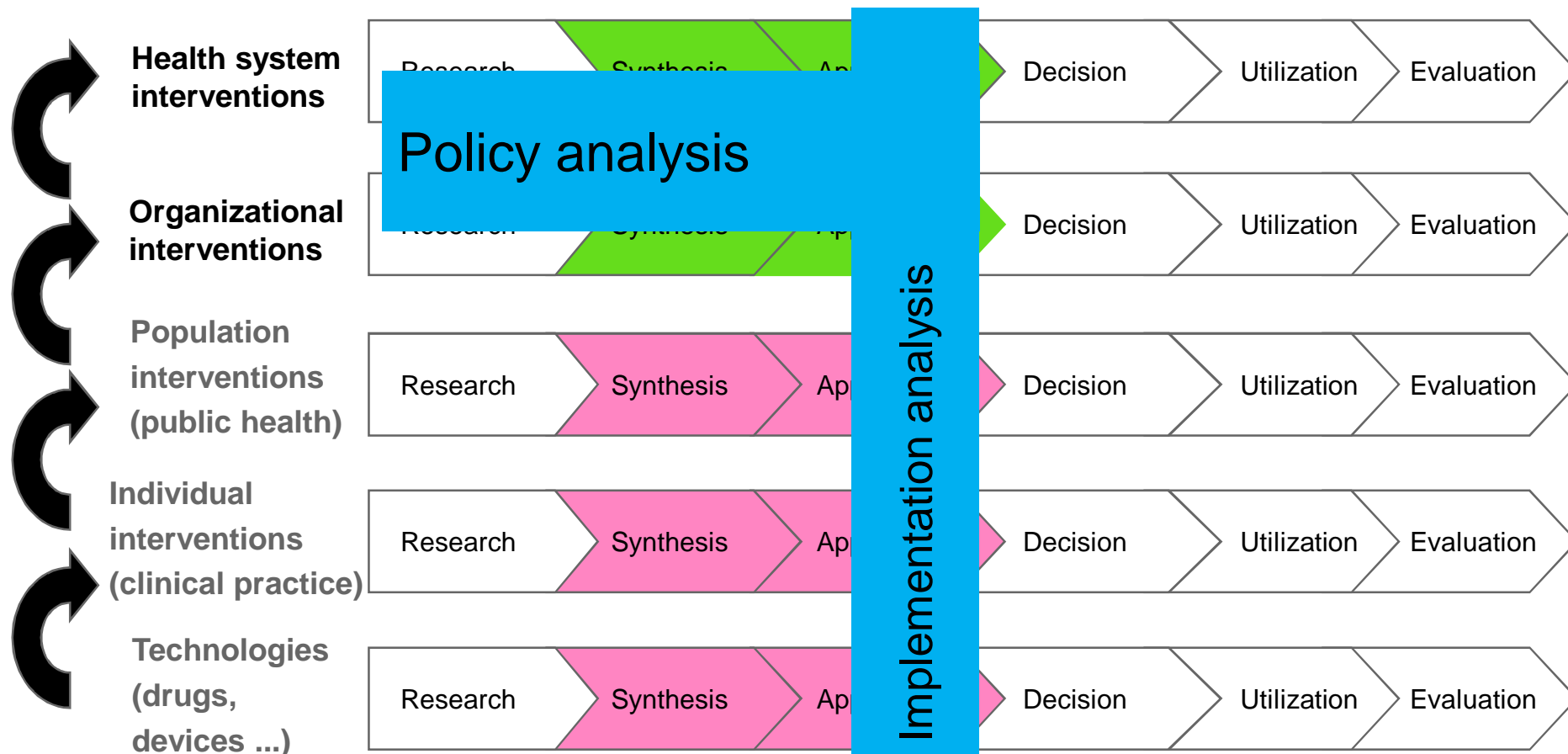
## Topics

- **Drugs** 28 %
- **Devices** 22 %
- **Diagnostics** 16 %
- **Surgery** 7 %
- **Other clinical** 24 %
- **Public health** 5 %
- **Delivery** 15%
- **Financial** 2%
- **Governance** 3%

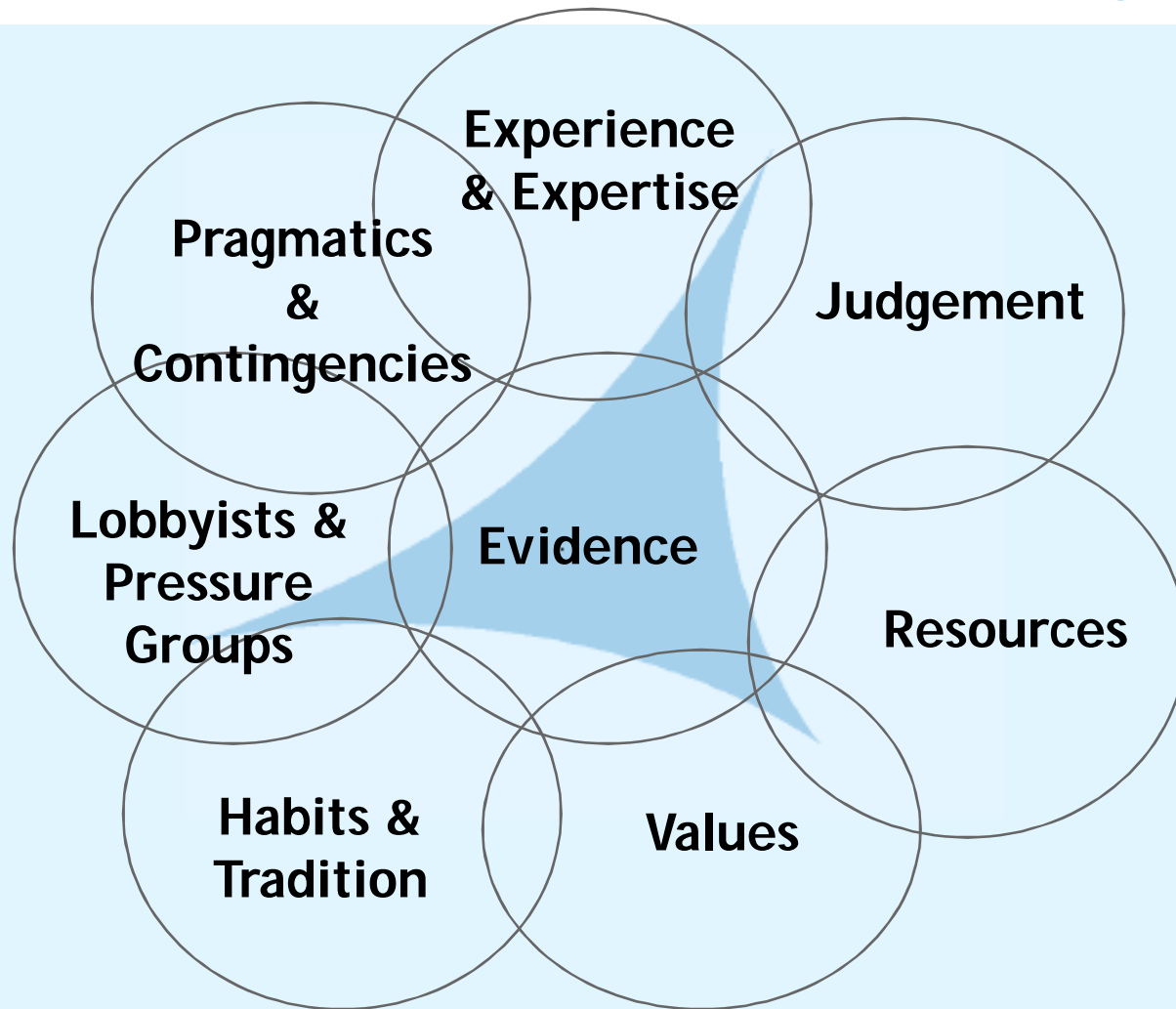
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# Need for horizontal and vertical expansion



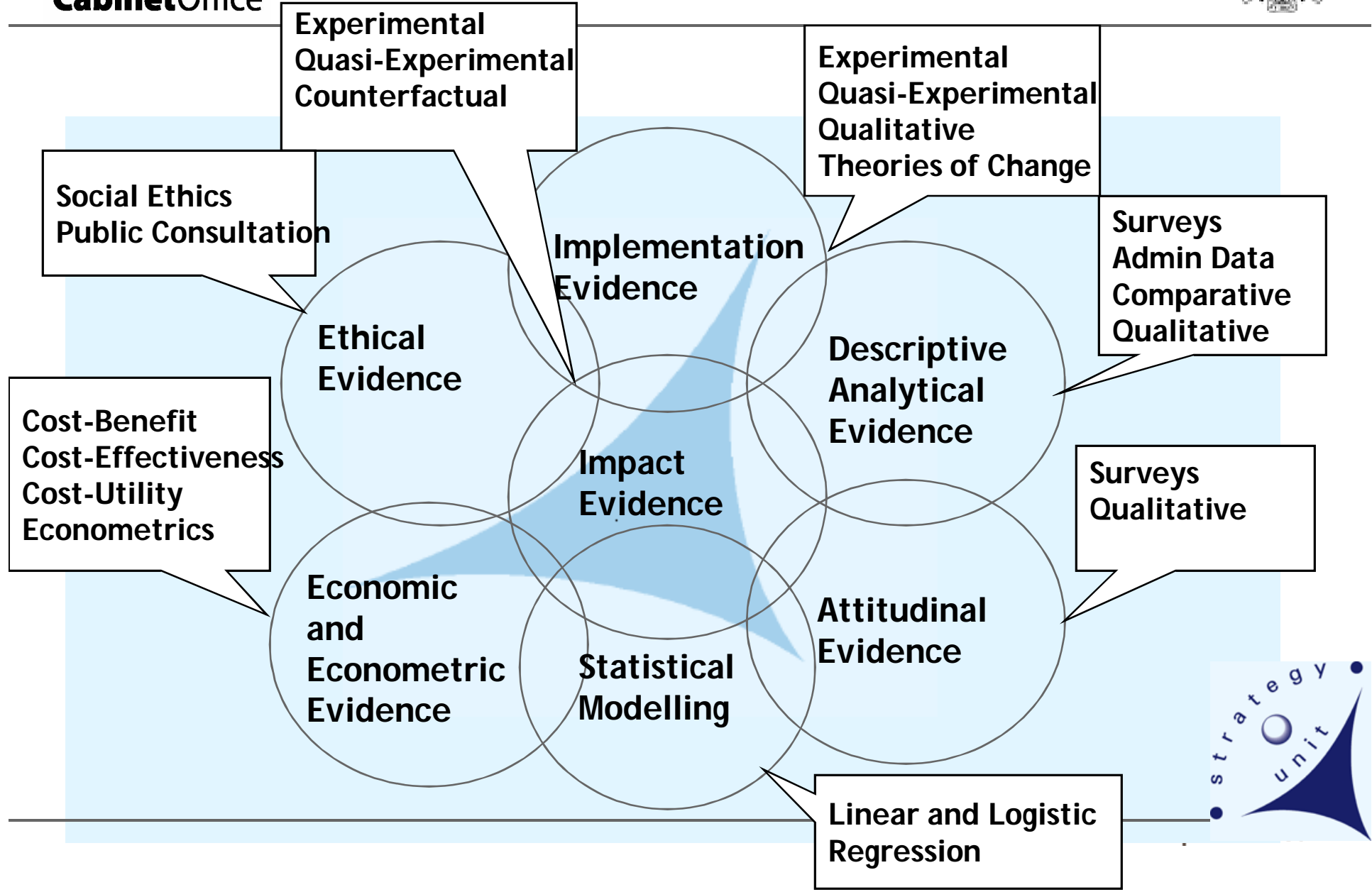
# Research evidence is only one contribution to decision making



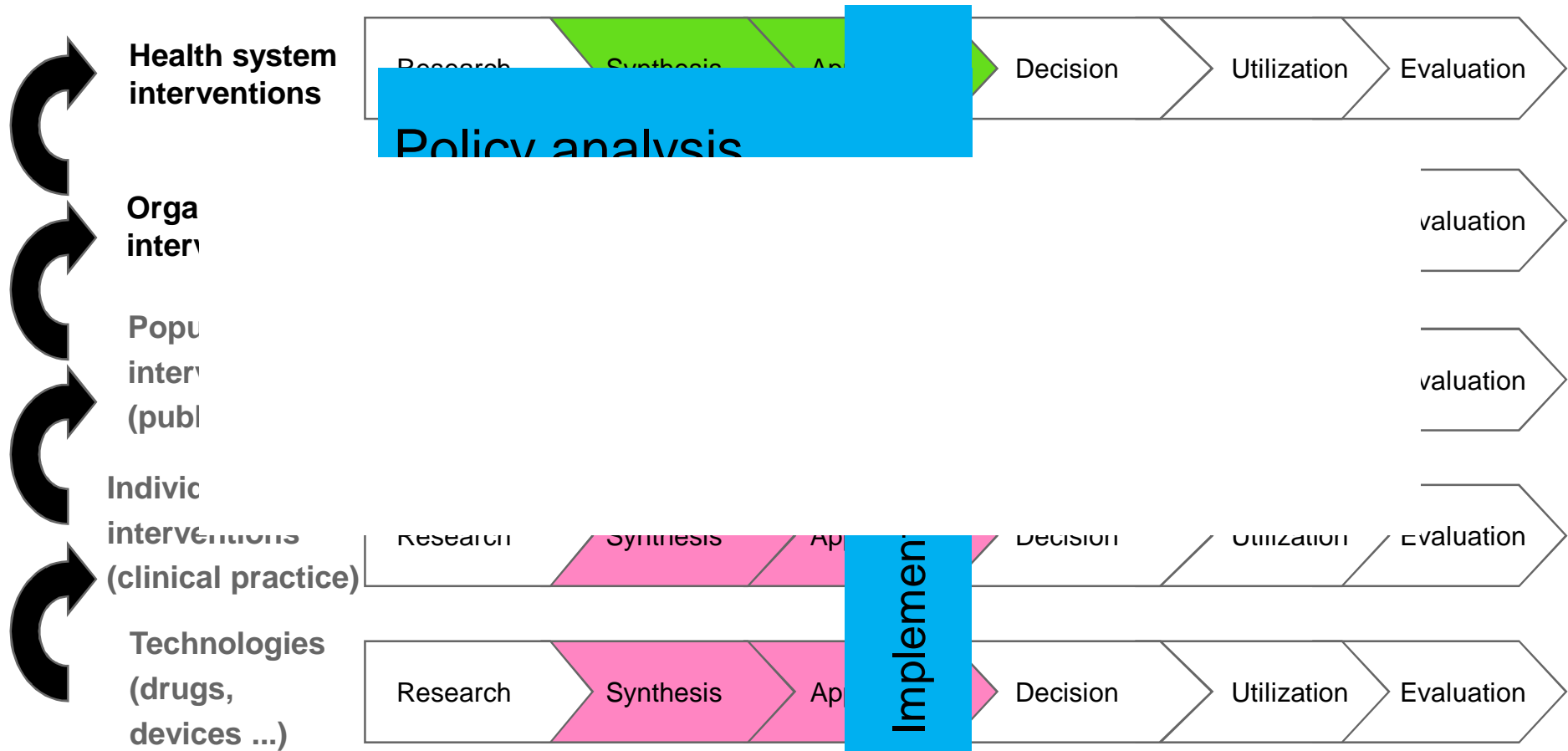


# Clinical effectiveness is not enough

CabinetOffice



# Implementation and policy analyses



# Example: Vaccine implementation (Cochrane reviews)

- The impact of **conditional cash transfers** on health outcomes and use of health services in low and middle income countries.
  - Lagarde M, Haines A, Palmer N. Cochrane Database of Systematic Reviews 2009, Issue 4.
- **Patient reminder and recall systems** to improve immunization rates.
  - Jacobson Vann JC, Szilagyi P. Cochrane Database of Systematic Reviews 2005, Issue 3.
- **Target payments** in primary care: effects on professional practice and health care outcomes.
  - Giuffrida A, Gosden T, Forland F, Kristiansen I, Sergison M, Leese B, Pedersen L, Sutton M. Cochrane Database of Systematic Reviews 1999, Issue 4.
- **Lay health workers** in primary and community health care for maternal and child health and the management of infectious diseases.
  - Lewin S, Munabi-Babigumira S, Glenton C, Daniels K, Bosch-Capblanch X, van Wyk BE, Odgaard-Jensen J, Johansen M, Aja GN, Zwarenstein M, Scheel IB. Cochrane Database of Systematic Reviews 2005, Issue 1. Updated version submitted.