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Global Horizon Scanning: Policy Implications and Practicalities

Joint HTAi/ISPOR Issues Panel

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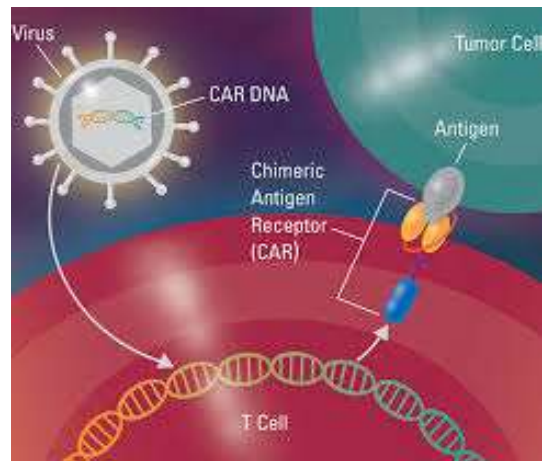
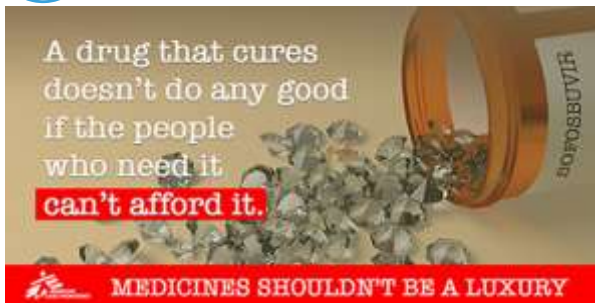
Horizon Scanning
By Science





It is only with the heart that one can see rightly,
what is essential is invisible to the eye.

- *The Little Prince*
by Antoine de Saint-Exupéry



Horizon Scanning

(Early Warning System, Early Awareness & Alert System)

A systematic assessment of the safety, effectiveness, economic and other impacts of new and emerging health technologies

To anticipate access to, and provision of, health services, as well as the development of health policy.

(Velasco-Garrido and Busse, 2005)

Horizon scanning steps

Identification

Filtration

Prioritization

Assessment

Dissemination

User Feedback

The role of horizon scanning and HTA



Source: Based on EuroScan International Network. A toolkit for the identification and assessment of new and emerging health technologies, October 2014

Current Practice

- Diversity of methods and processes (e.g. transparency)
- Diversity of aims - most commonly for HTA topic selection or financial planning for new technology uptake, also for research planning
- Most common time horizon is 2-3 years before market entry
- Limited evidence on impact of horizon scanning in preparing health systems for technology implementation

Potential uses of horizon scanning

- Beyond an alert to HTA bodies to really help health systems prepare for disruptive technologies
- Identify unmet needs and stimulate innovation, linking to Early Dialogues and early HTA
- Beyond individual health technologies to types of technologies, disease areas or care pathways
- Use by different stakeholders

Challenges in development of horizon scanning

- Longer timeframe but increased uncertainties
- Stakeholder involvement at this early stage of technology development
- Using latest methods (e.g. data science)
- Using horizon scanning in the health system to enable scenario planning and plan for adoption
- International collaboration

Speakers

| Speaker | Organization |
|--------------------|--|
| <i>Isao Kamae</i> | <i>ISPOR Asia Consortium Chair, HTAi Director</i> |
| <i>Karen Facey</i> | <i>HTAi, Chair Policy Forum Coordinating Committee</i> |
| Franz Pichler | HTAi, Secretary |
| Kun Zhao | HTAsiaLink, ISPOR Asia Consortium Chair-Elect |
| Sukyeong Kim | ISPOR, HTA Roundtable Asia Pacific Chair |
| Audience | All stakeholders |

With thanks to Rebecca Trowman (HTAi) and Robert Selby (ISPOR)

Q1

Opportunities

Barriers

Q2

More effective use
of HS in Asia Pacific
Region

Audience



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Q3

Who
When
How?

Q4

Collaboration?

Audience



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HTA HEALTH TECHNOLOGY ASSESSMENT INTERNATIONAL

GLOBAL POLICY FORUM

PAPERS AND ARTICLES

HTA POLICY FORUM SERIES - GLOBAL POLICY FORUM

Each year, the discussions of the HTAI Policy Forum are published in the International Journal of Technology Assessment in Health Care. Access to these papers is available below, along with links to other Policy Forum grey literature such as background papers.

2018

- Journal Article (read-only access) - "How can health systems prepare for new and emerging health technologies? The role of horizon scanning revisited"** International Journal of Technology Assessment in Health Care. W. Garbwin, L. Sampietro-Colon, F. Habern, R. Trowman. Published online 11 June 2018. doi: 10.1017/S0266462318000363
- Background Paper - "Facing the dynamics of future innovation: The role of HTA, industry and health system in scanning the horizon"** W. Garbwin, on behalf of the HTAI Policy Forum