



How can innovation help with health challenges?

Mirella Marlow, MA, MBA
Programme Director, NICE

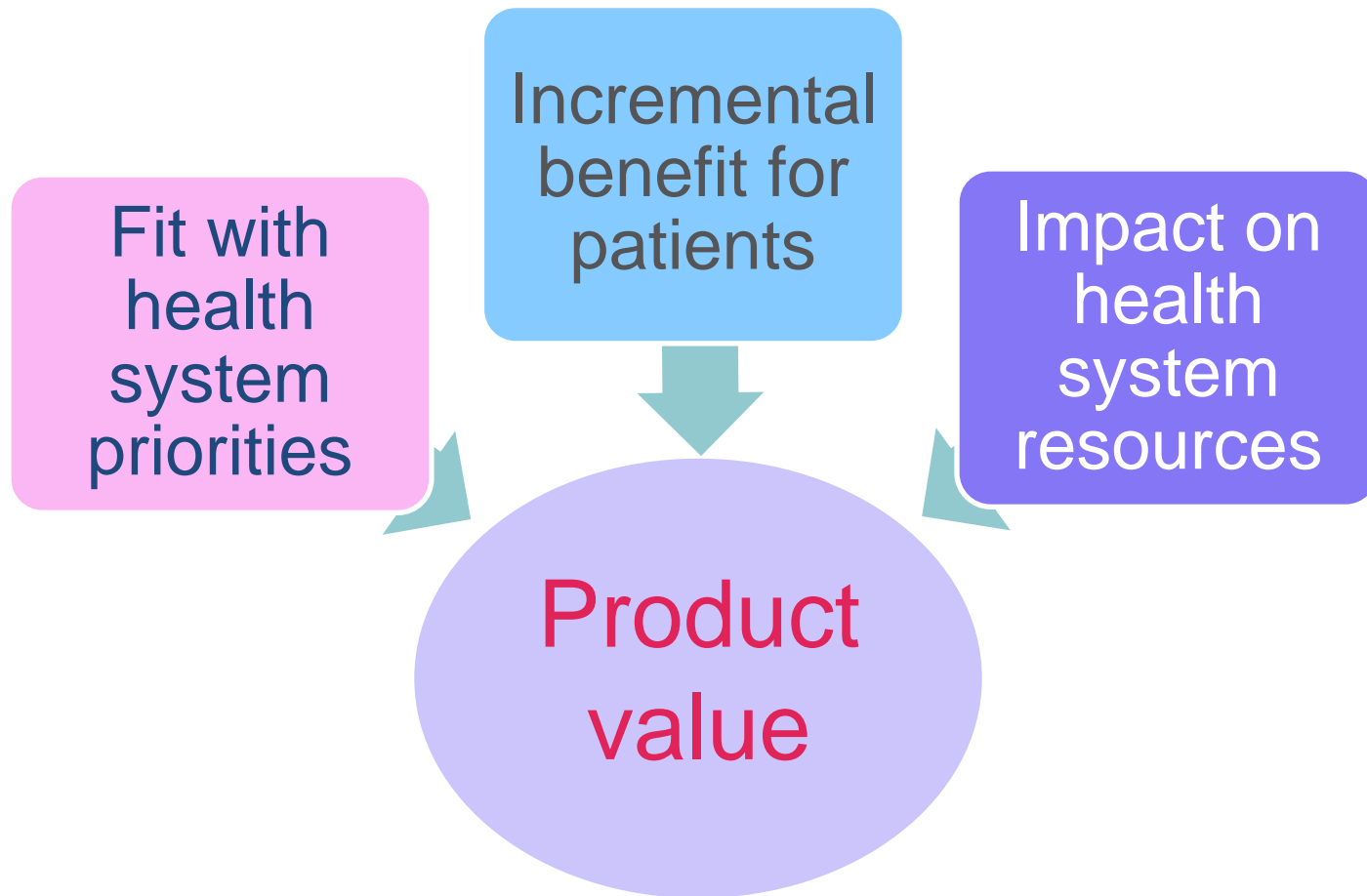
A few challenges in the UK health system

- QIPP (quality, innovation, productivity & prevention): €23bn savings
- 2011/12 target: €6.7bn (€3.5bn/7% from acute services)
- Deficits in acute hospitals (non-FTs)
 - Q1 2011/12 expected: €63m
 - Q1 2011/12 actual: €117m
 - Q4 2011/12 expected: €194m
- Rising waiting times
 - Diagnostics
 - Elective surgery
- Central support for large scale service reconfiguration

How can innovative medtech products help?

- Replace ongoing therapy costs with one-off intervention or device
- Deliver treatment decision or care nearer to home
- Reduce unnecessary surgical interventions
- Enable self-care
- Reduce length of stay
- Enable treatment by a lower grade or less scarce type of staff
- Improve patient dignity and treatment compliance
- Reduce future hospitalisation
- Speed up recovery
- Etc, etc.....

What do decision makers need to know about new technologies?



Two types of value proposition

Cost effectiveness

- Better performance
- Patient benefits
- Higher cost
- Guidance based on value of incremental benefit

Cost consequences

- Clinically non-inferior
- Patient benefits
- System benefits
- Guidance based on resources released

Cost modelling – cost consequences analysis

Cost model - examples

Acquisition costs

System savings (eg
change in setting)

Running costs eg
disposables or concomitant
treatment

Reduced costs of improved
health outcomes

Staffing costs

Improved ease of use or
patient acceptability

Early NICE Medical Technologies guidance



NHS
National Institute for
Health and Clinical Excellence

Issue date: December 2010

**SeQuent Please balloon
catheter for in-stent
coronary restenosis**

NICE medical technology guidance 1

NHS
National Institute for
Health and Clinical Excellence

**moorLDI2-BI blood flow
imager for burn wound
assessment**

Implementing NICE guidance

March 2011

NHS
National Institute for
Health and Clinical Excellence

Issue date: March 2011

**CardioQ-ODM oesophageal
doppler monitor**

NICE medical technologies guidance 3

Medical Technology
Implementation Tools

After the guidance is published....

- Further research
- Ongoing quality assurance eg longer term device failure
- Implementation advice
- Support to procurement
- Support to adoption – removing barriers
- Monitoring of uptake

Find out more or notify a product to the NICE Medical Technologies Evaluation Programme

- Web address: <http://www.nice.org.uk/MT>
- Email the team to talk to them about your product medtech@nice.org.uk