

Quality measures for individuals, institutions and programs

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Disclosure

- Director AnderVal Ltd

Purpose of measurement

- To monitor performance
- To inform and monitor improvement

Different stakeholders will be interested in (or need) different information

Healthcare - actors

- Patients
- Professionals
- Charitable sector
- Payers/commissioners
- Regulators
- Hospitals
- Public Health Organisations
- Professional Associations
- Health Ministries
- Other NGOs

Who needs to know what
and why do they need to
know it?

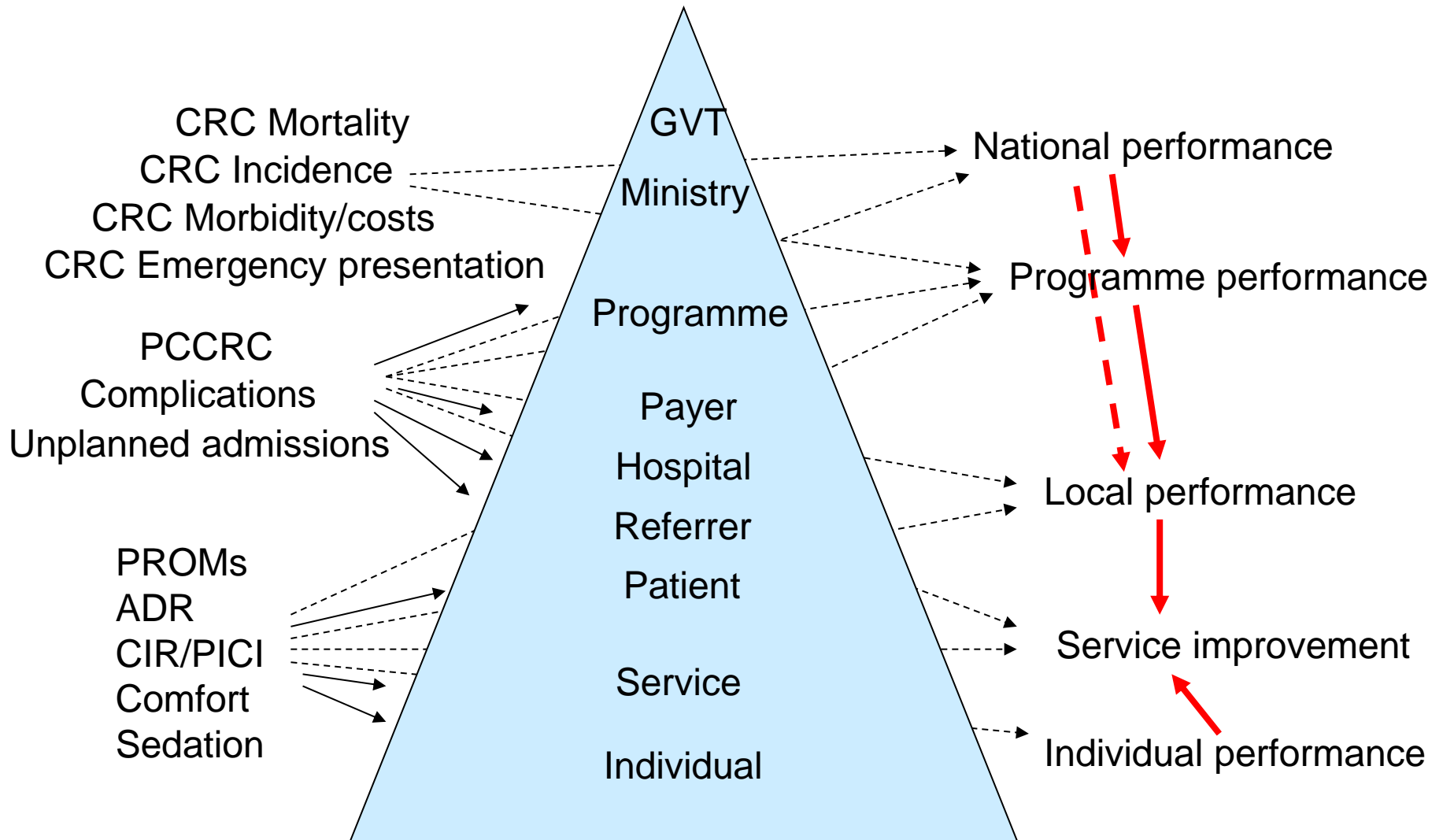
What are we trying to do?

- Prevent CRC
- Reduce death from CRC
- Reduce morbidity of CRC
- Avoid harming people (and services)
- Achieve the best value for money

Closing the gap in performance

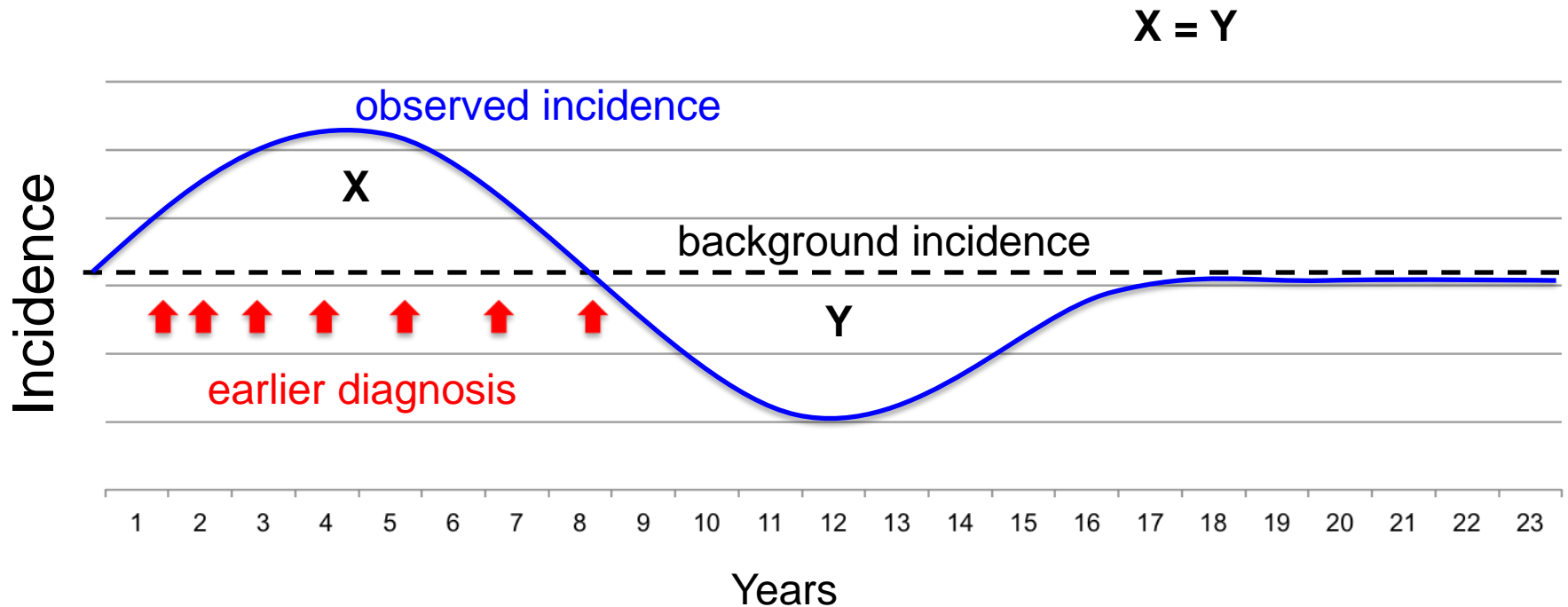
$$\text{Value for money} = \frac{\text{Quality, Safety and Patient Experience}}{\text{Cost}}$$

Quality measures for lower GI endoscopy



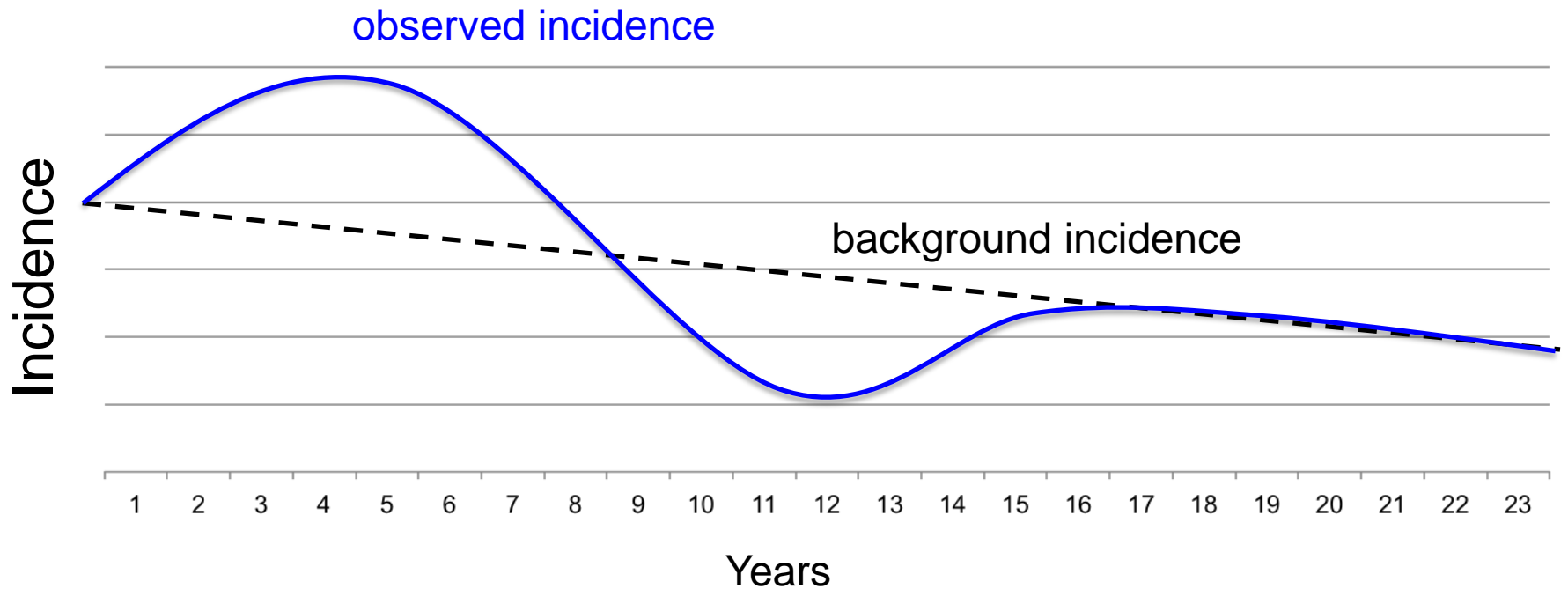
Incidence of colorectal (CRC) over time

– no effect of prevention



National Early Diagnosis Initiatives and their impact on the Incidence of Colorectal Cancer in England. Valori R, Morris E, Rutter M, et al. LB abstract UEGW 2016

Incidence of colorectal (CRC) over time – with effect of prevention

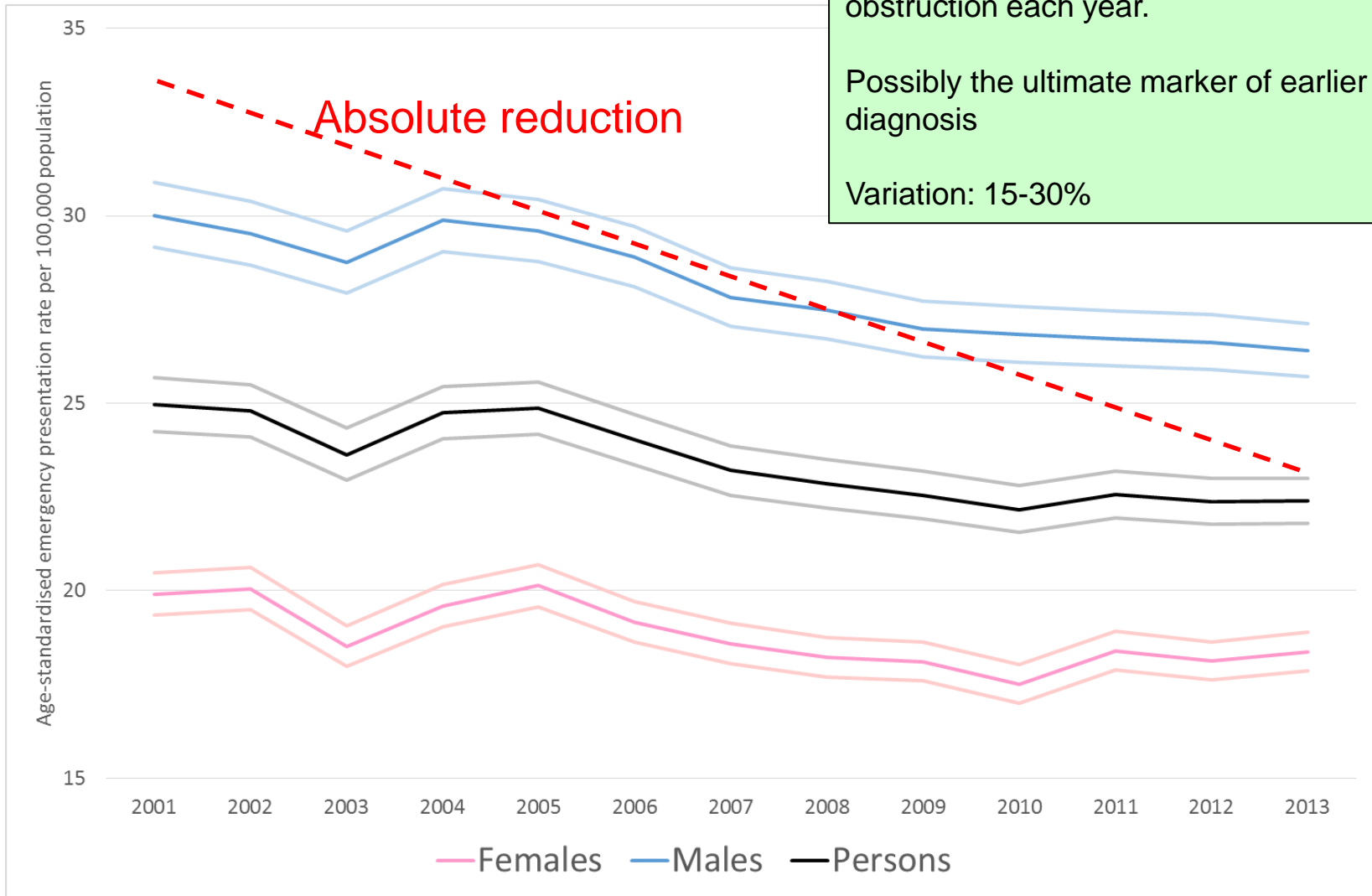


CRC age-standardised emergency presentation rates

The absolute reduction means 3,500 fewer people are presenting with acute bowel obstruction each year.

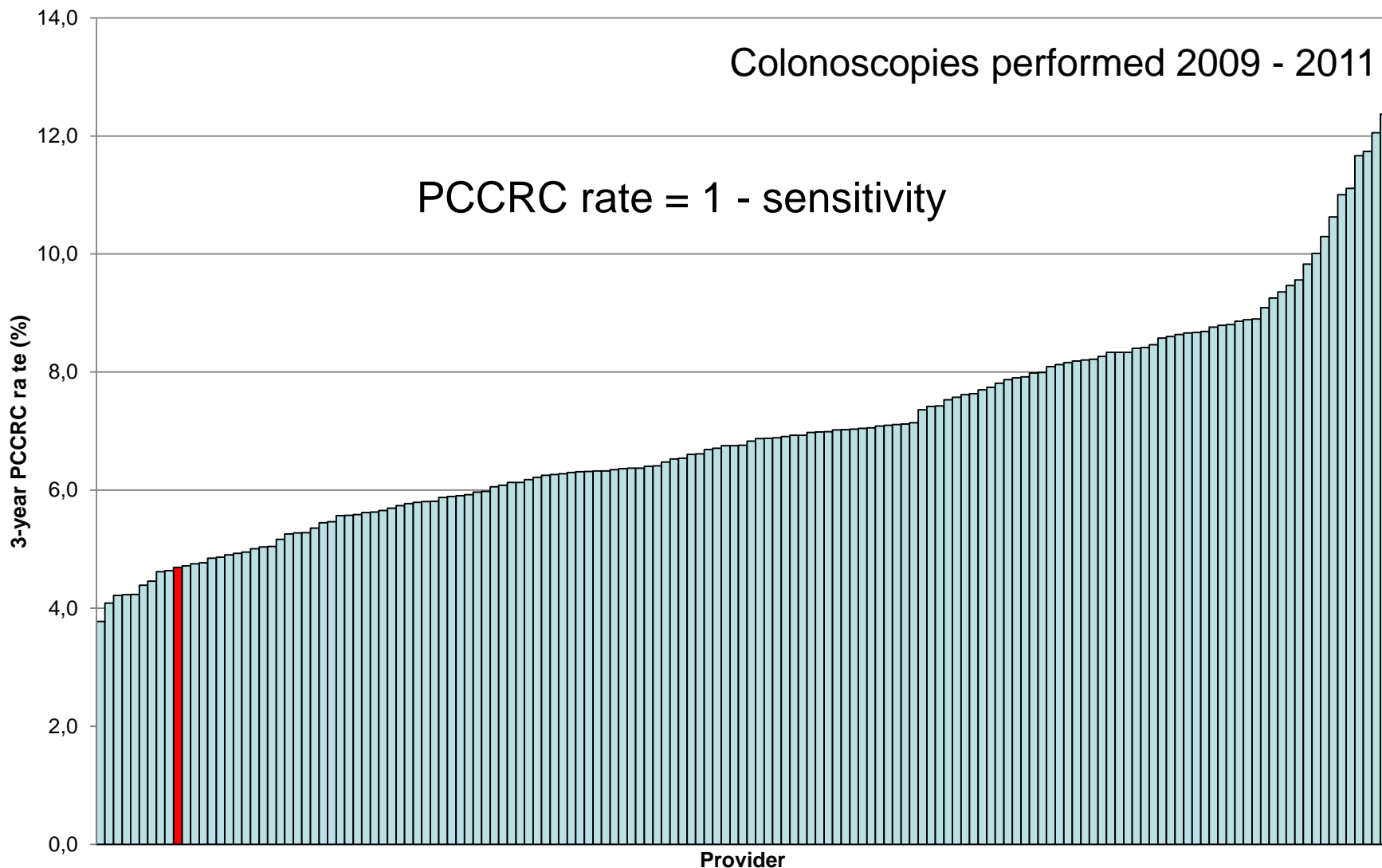
Possibly the ultimate marker of earlier diagnosis

Variation: 15-30%

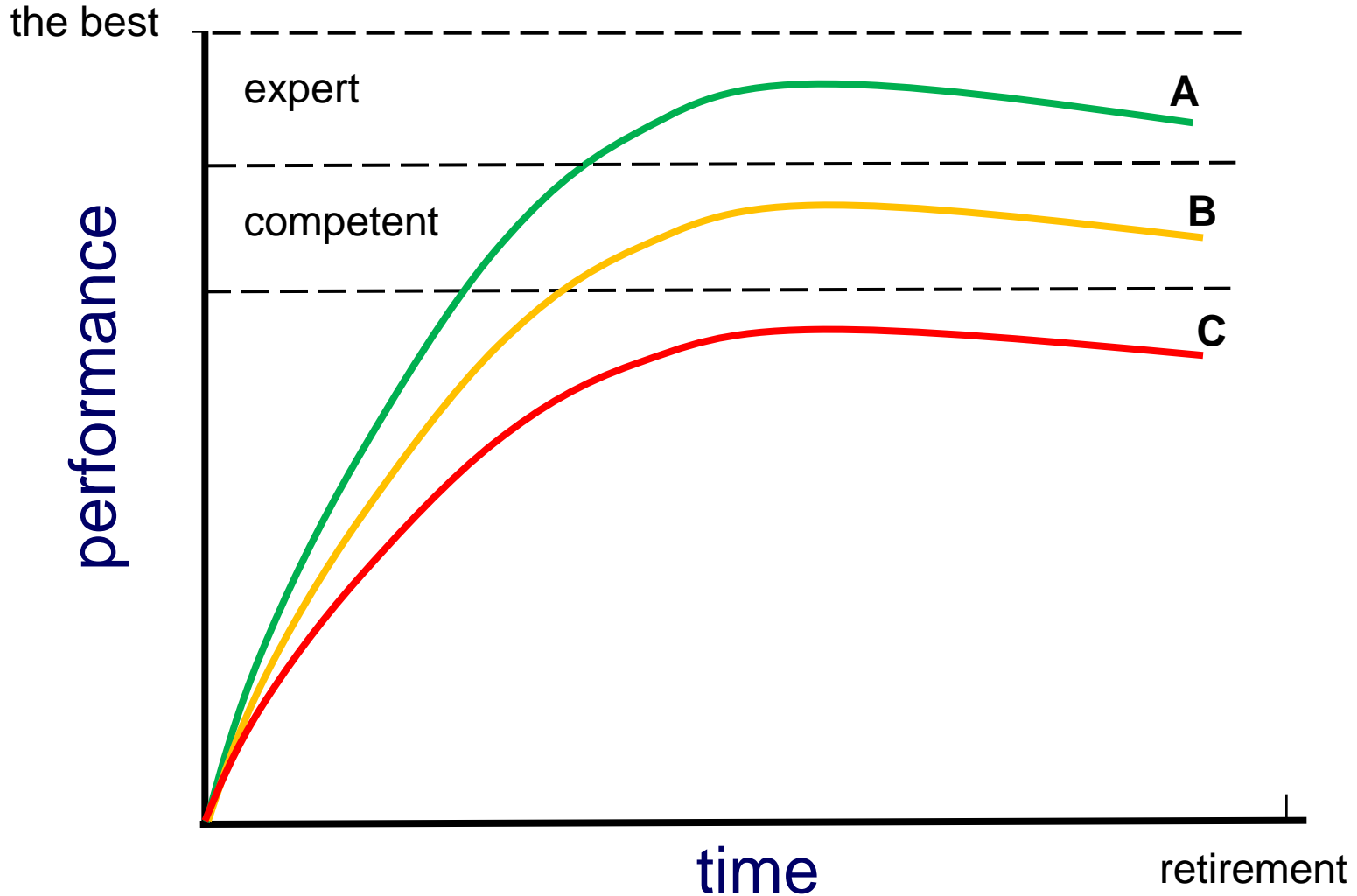


3-year PCCRC rates for 149 English hospitals

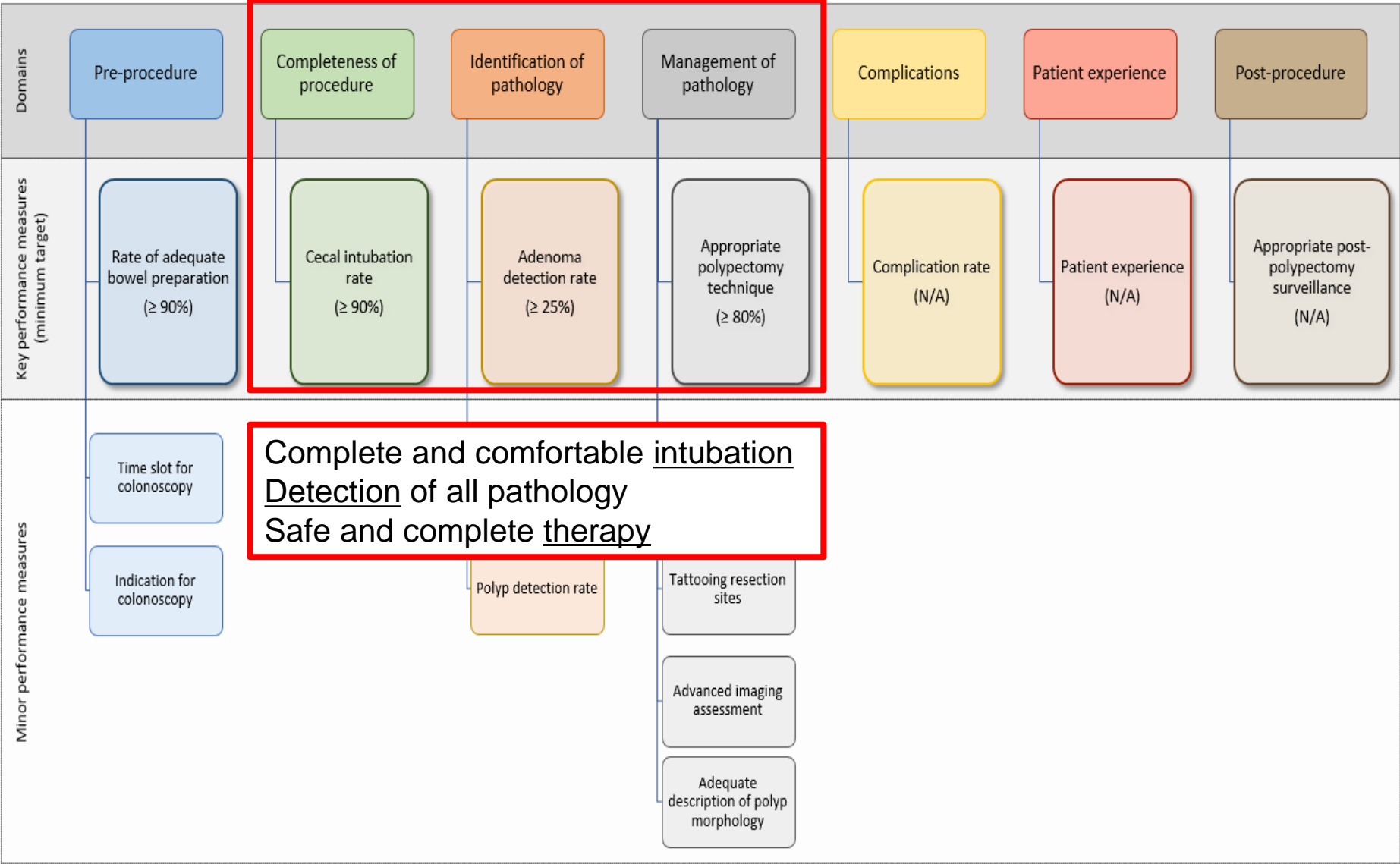
Colonoscopies performed 2009 - 2011



Individual colonoscopy performance



ESGE: performance measures for colonoscopy



Performance of colonic intubation

- Cecal Intubation Rate (CIR) is the gold standard indicator
- BUT:
 - How is it defined? Is it adjusted?
 - How is it documented?
 - Who assesses the documentation?
 - Does it really distinguish levels of performance?

Wexford General Hospital Incident Review

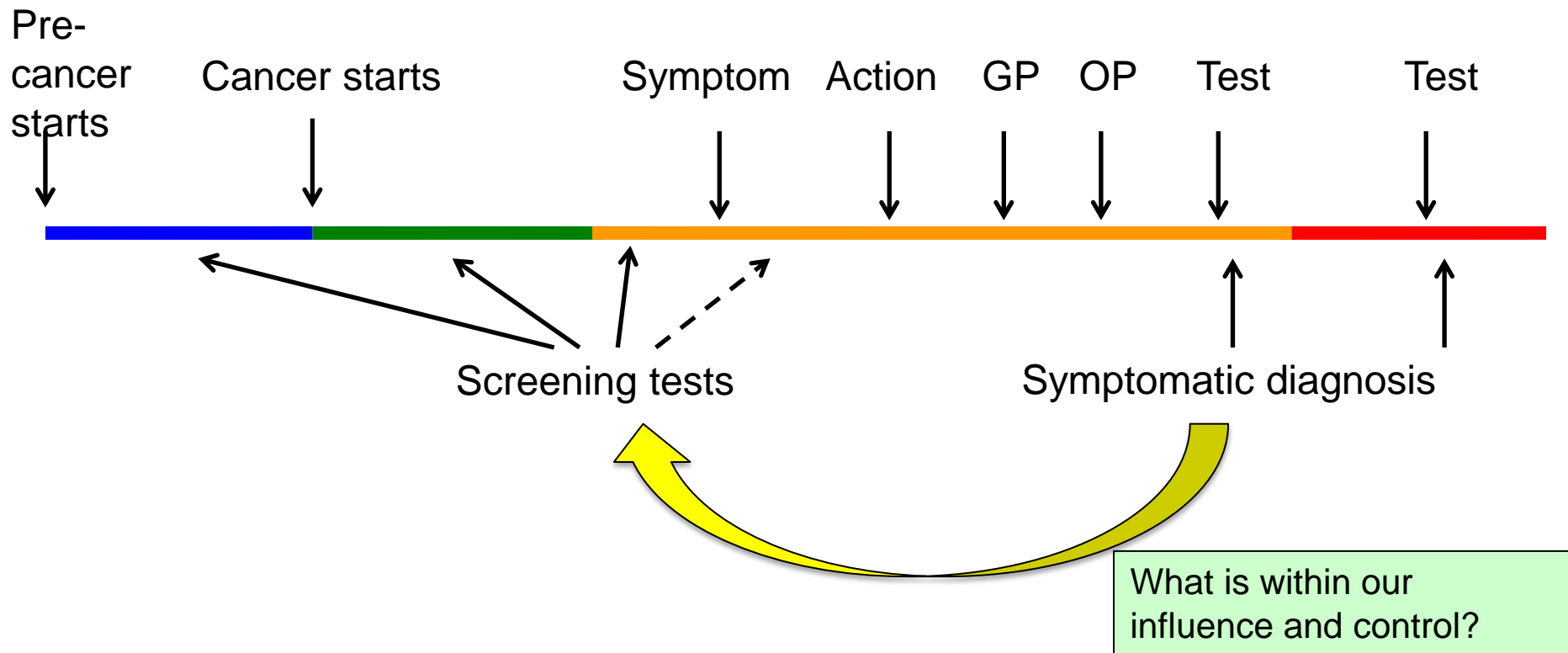
Hierarchy of indicators of detection

- Post colonoscopy CRC (PCCRC)
- Adenoma detection rate (ADR)
- Polyp detection rate (PDR)
- Withdrawal time

Quality measure for institutions – Root cause analysis of delays in diagnosis



Quality measure for institutions – Root cause analysis of delays in diagnosis



Take home messages

- Consider purpose first – be clear about objectives
- Achieving optimal outcomes requires collaboration
- Consider who will be interested in which measures and why
 - what they want to know
 - what we want them to know
- Be clear about whether a measure is used to
 - inform and monitor improvement **or**
 - monitor and compare performance
- Consider adequacy of sample size to pass judgment or take action
- Don't underestimate the power of process

Canadian Association of Gastroenterology

*First international workshop on
colonoscopy quality and training*

CDDW 2018,
Toronto,
February 12-13th

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