

So many questions!

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Primary Care Trigger Tool

Providing new patient safety metrics for primary care

How many of our patients are harmed?

Which areas need most attention?

What's causing adverse events?

What changes could we implement?

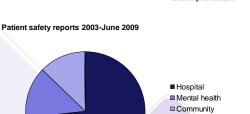
Are the changes an improvement?



What do we know?

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□GP

What do we know?

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- · size of the problem
 - 1:10 admissions
 - 1:300 consultations
 - 25% of >75s experience healthcare associated harm each year
 - 5% of admissions = preventable adverse drug events
- · impact of safety incidents
 - 73% of adverse events in >75s required some intervention

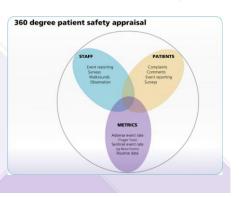
Why metrics for patient safety?

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STAFF: understand the cause of safety incidents.

Staff reports tend to focus on human errors and the most serious harms.

Surveys, walkarounds and observation focus on culture and process problems. Not useful for measuring safety.



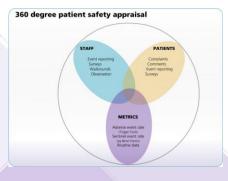
Why metrics for patient safety?

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PATIENTS: understand the cause and impact of safety incidents.

Patients may detect issues not reported by staff, eg errors in communication and interpersonal care, staff response to safety incidents and the impact on patients.

Not useful for measuring safety.



Why metrics for patient safety?

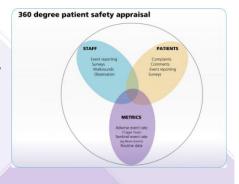
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METRICS: measure patient safety (and improvement).

Measure rate of harm, identify the most common safety threats and track improvement over time (eg Trigger Tools). They may detect events not reported by staff or patients.

Not primarily useful for understanding safety.



A metric of patient safety

Focus on actual patient harm

How many patients had an adverse event last year?

What are the common areas of harm?

Have our changes succeeded in reducing the incidence of harm?

Primary Care Trigger Tool



The case for casenote review

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Staff reporting

- · subjective
- · focus on error
- focus on memorable events (rare)
- v small numbers
- · variable over time

Casenote review

- · objective
- · focus on outcomes
- · focus on common events
- large numbers
- reliable over time

Trigger Tools

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- casenote review is a 'gold standard' for detecting actual patient harm
- it is too time-consuming for everyday use (eg senior doctor, 20-40 minutes per patient)

Trigger Tool approach

- 1. filter out patients unlikely to have experienced harm
- 2. structured clinical review, targeted where harm most likely to be found
- √ feasible to take monthly random sample of patient casenotes
- ✓ produce run / SPC charts
- ✓ track improvements over time

Creating & Refining a Trigger Tool

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- Adverse event list
- · Trigger long list
- · Alpha version(s) Trigger Tool
- · Beta version Trigger Tool
- Public version(s)



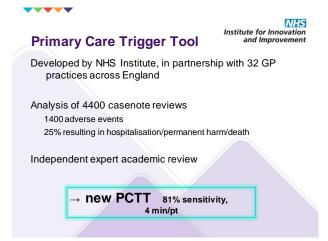
Trigger Tools

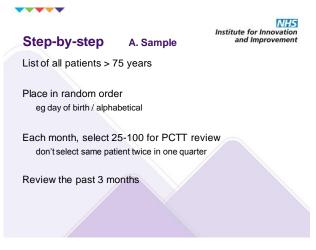
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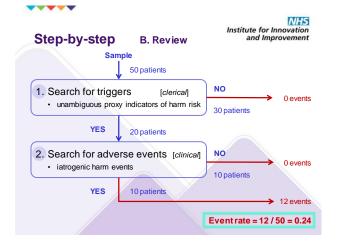
Acute hospital adapted from IHI Tool

Paediatrics launched Jun 09
 Primary Care launched Sept 09
 Mental health in development
 Community Hospital
 Community Nursing in development

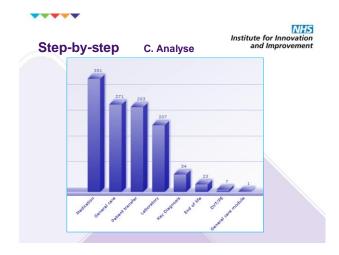
NHS Institute's trigger tool development programme uses a standard academically validated methodology, in close collaboration with frontline clinical teams

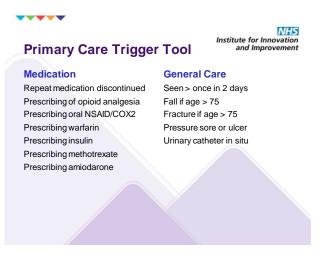












Primary Care Trigger Tool

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VTE

Proven DVT or PE

MRSA positive C.diff positive

Patient transfer

Positive wound/skin swab

Readmission to hospital within 2 weeks of discharge

eGFR <= 20

Laboratory

Na+ <130 or >150 mmol/l K+ <3.5 or >5.5 mmol/l INR <2 or >5 Haemoglobin <9g/dl End of life Death

Key diagnosis

New diagnosis of CVA/TIA

New diagnosis of acute confusional

state

eg – Warfarin & bleeding .. Trigger

INR > 5 is a trigger on the PCTT

Many patients with an INR > 5 come to no harm

This is not an adverse event (even if results from error)



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eg – Warfarin & bleeding .. Adverse event

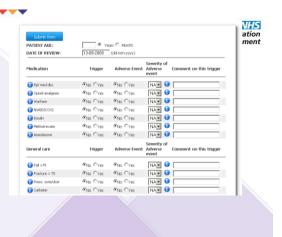
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Retinal bleed caused by Warfarin → INR > 5

Patient has come to harm

This is an adverse event (whether result of error or not)





Data entry, storage and analysis through the Trigger Tool Portal

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Primary Care Trigger Tool - impact

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- · raises awareness of patient safety
- · identifies areas of waste
- highlights problems with quality and productivity
- · drives improvement









• Users report...

- takes about 4 min per patient
- detects 'everyday' incidents which get overlooked by staff
- amazement that so many patients experience harm
- fresh passion to improve patient safety

"I actually think change will come about now in our practice .. and we'll know if we're making an improvement" www.institute.nhs.uk/safercare/GP