Imperial College London

NHS
Health Education North West

LESSONS LEARNT

Building a Safer Foundation

Dr Maria Ahmed-Drake MPH, PhD

NIHR ACF in Primary Care, North Western Deanery

Honorary CRF, Imperial CPSSQ

DRAGONS' DEN
From Idea to Implementation
2010

Context

Global drive to improve Safety

Growing evidence for education

Factors impacting delivery

Trainees as ‘Agents for Change’

Aims

Develop, implement & evaluate PS training programme:

Promote structured analysis and learning from PSIs

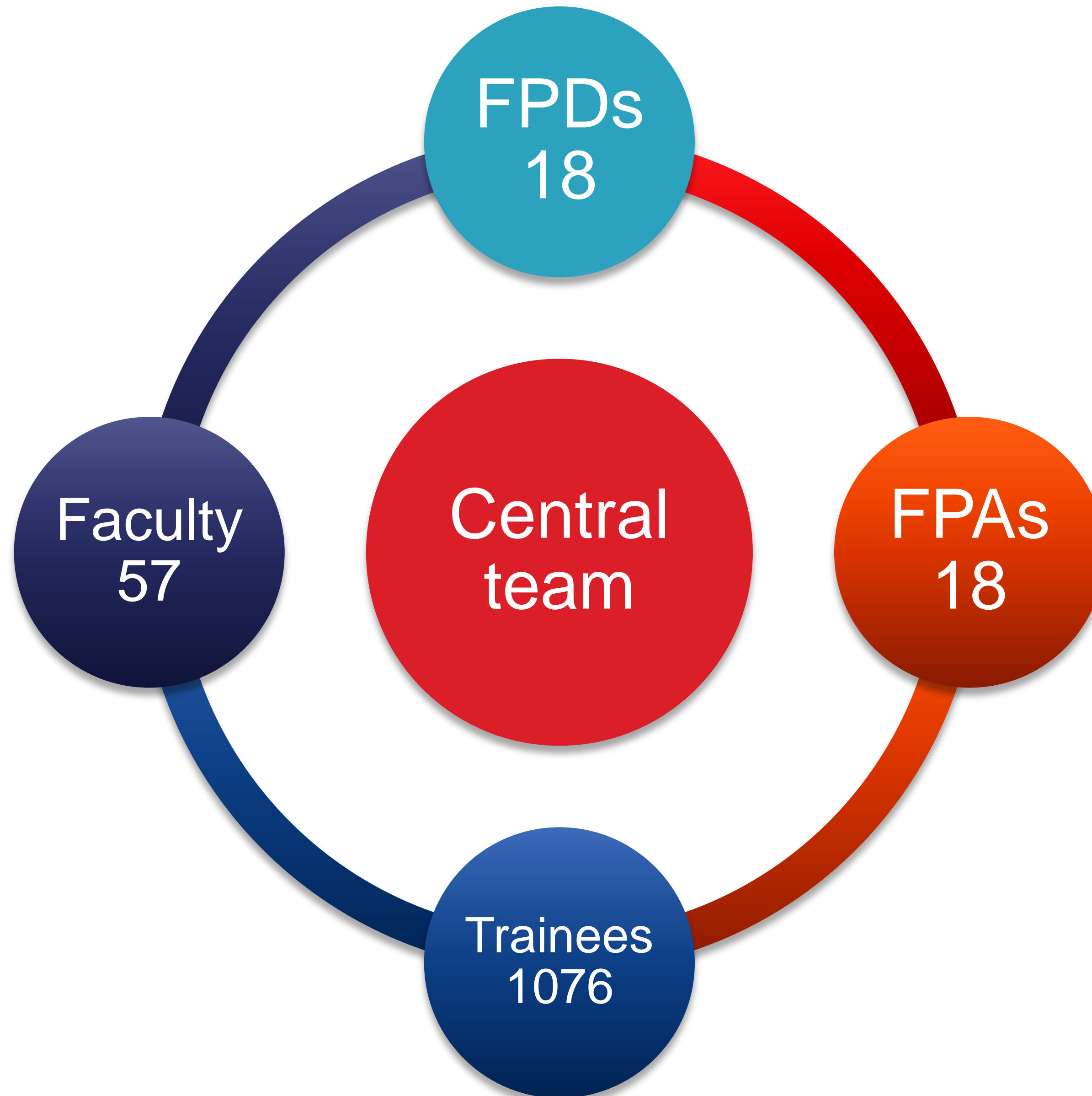
Improve trainees' patient safety competencies

Address barriers to sustainable implementation

Methods

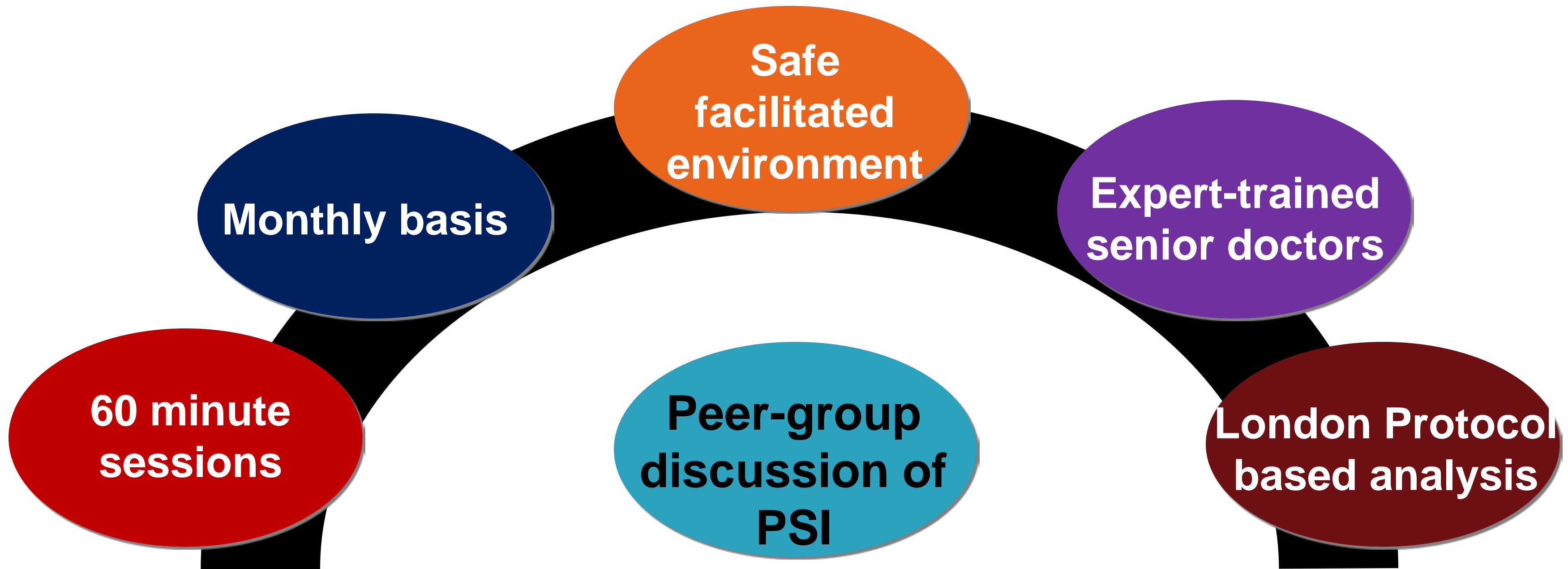
Setting
Barrow-in-Furness
High
Bentham
Heysham
Hetton
Skipton
Fleetwood
Garstang
Barnoldswick
Silsden
Ilkley
Otley
Clitheroe
Keighley
Blackpool
Longridge
Shipley
Fulwood
Kirkham
Burnley
Bradford
Lytham
Saint Anne's
Preston
Longton
Todmorden
Halifax
Darwen
Southport
Huddersfield
Rochdale
Bury
Formby
Skelmersdale
Oldham
Rainford
Leigh
Crosby
St Helens
Hyde
Bootle
Liverpool
Huyton
Hoylake
Warrington
Altrincham
Map data ©2012

Participants



n=1169

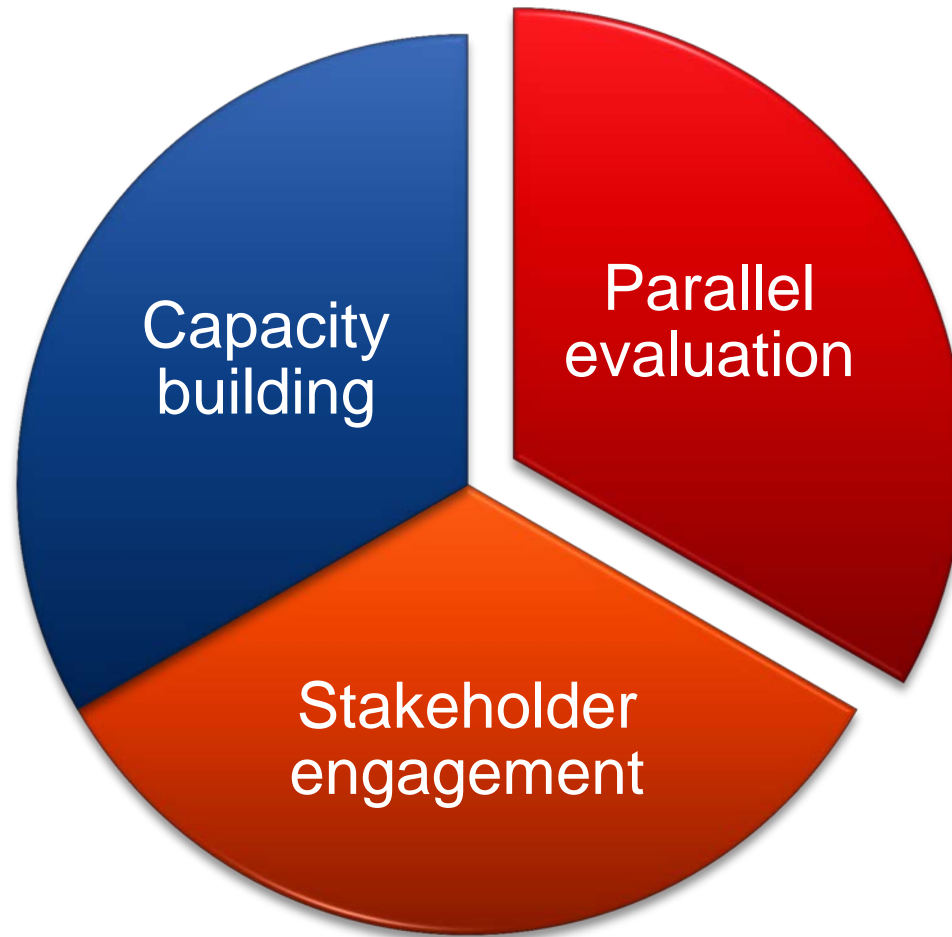
Intervention



Lessons Learnt

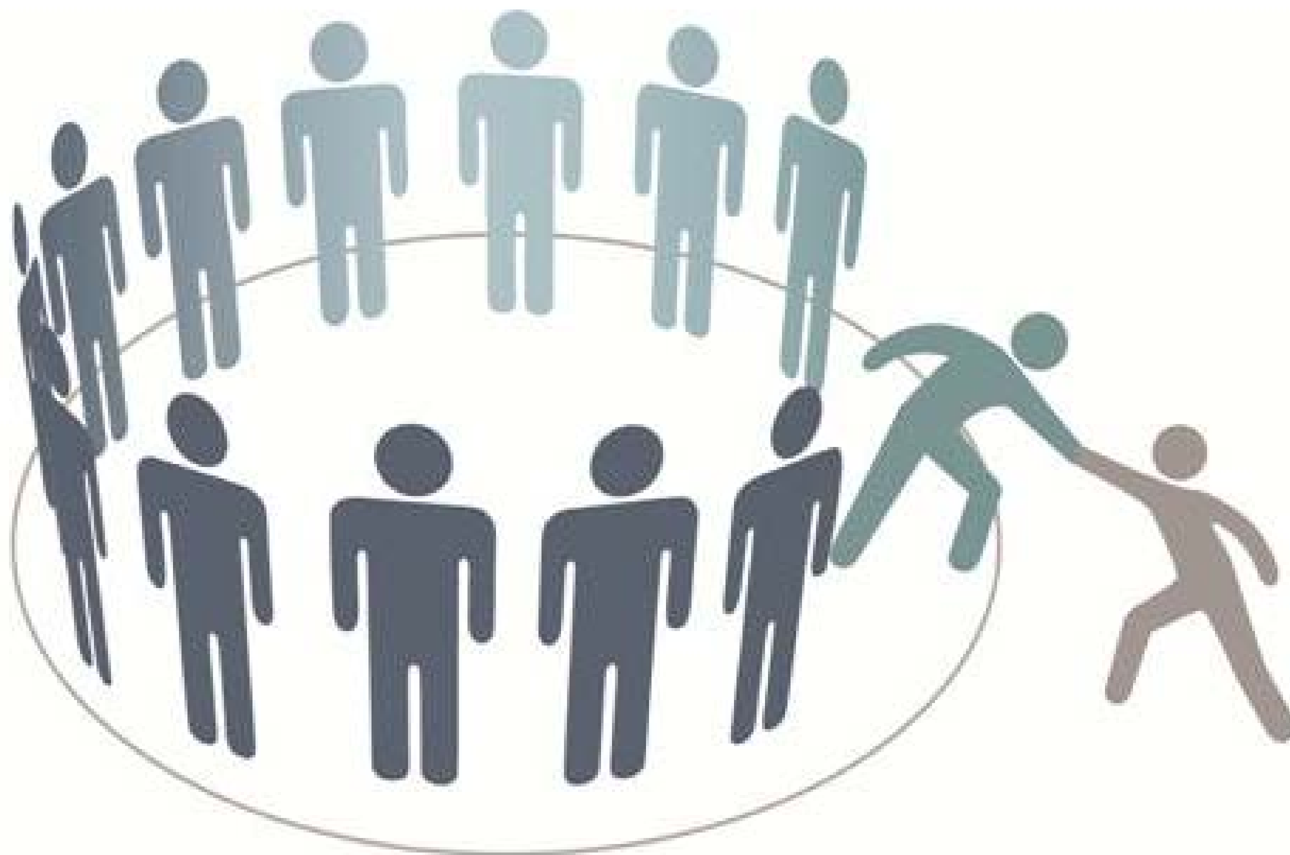
Any unintended or unexpected incident that could have or did lead to patient harm (NPSA)

Implementation

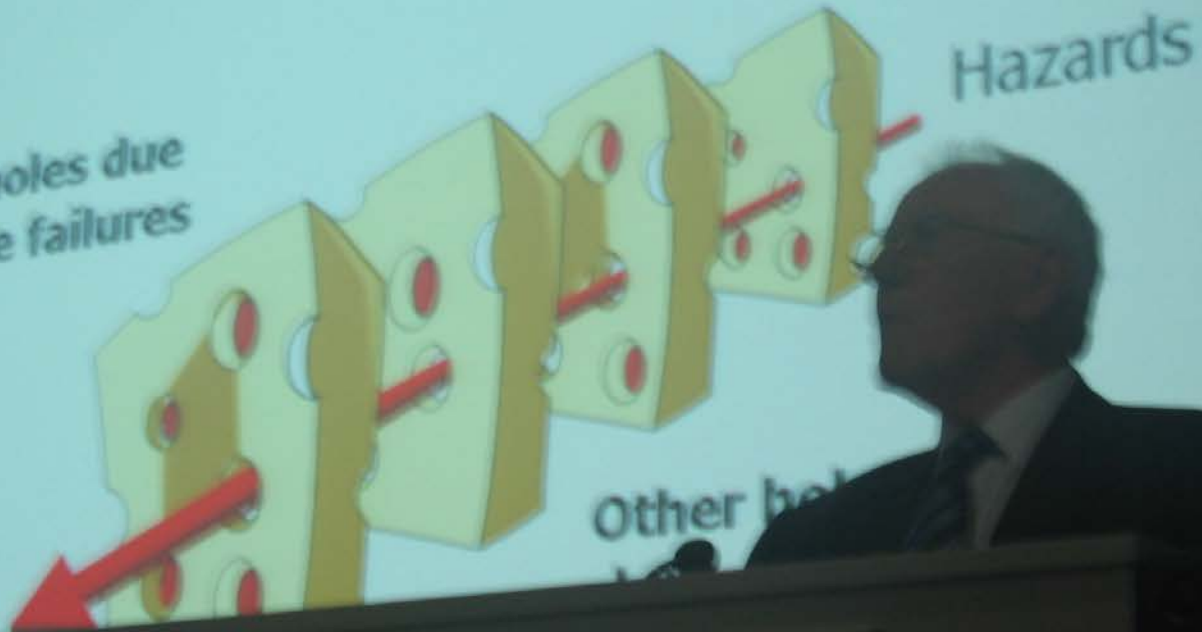


Sustainability key

Aug 2010: Lead & Faculty Recruitment



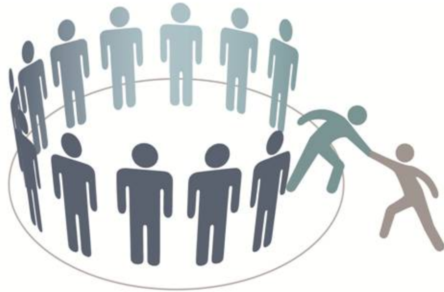
Sept 2010: Launch Conference



Nov 2010: Lead & Faculty training

LESSONSLEARNT

Building a Safer Foundation



Facilitator Handbook

Imperial College London

CPSSQ

LESSONSLEARNT

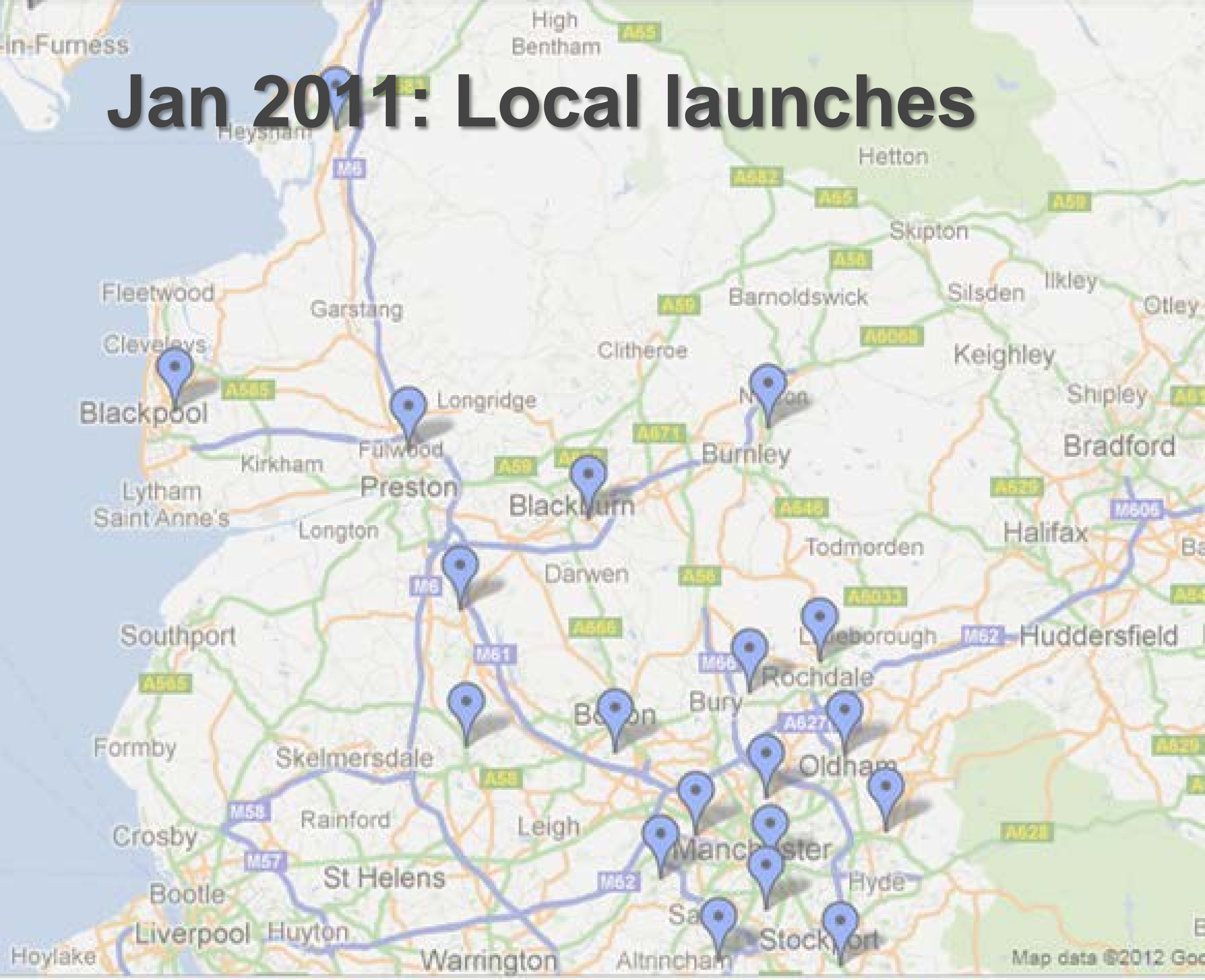
Building a Safer Foundation

Lead Handbook

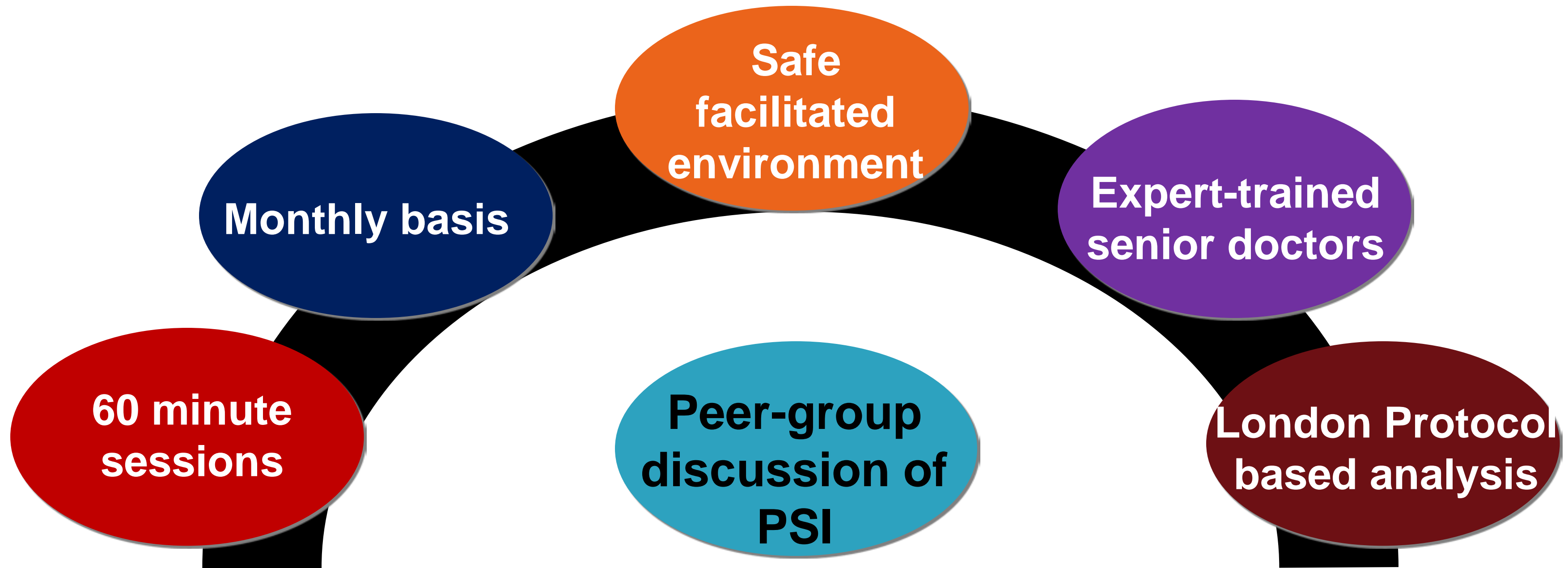
Imperial College London

CPSSQ

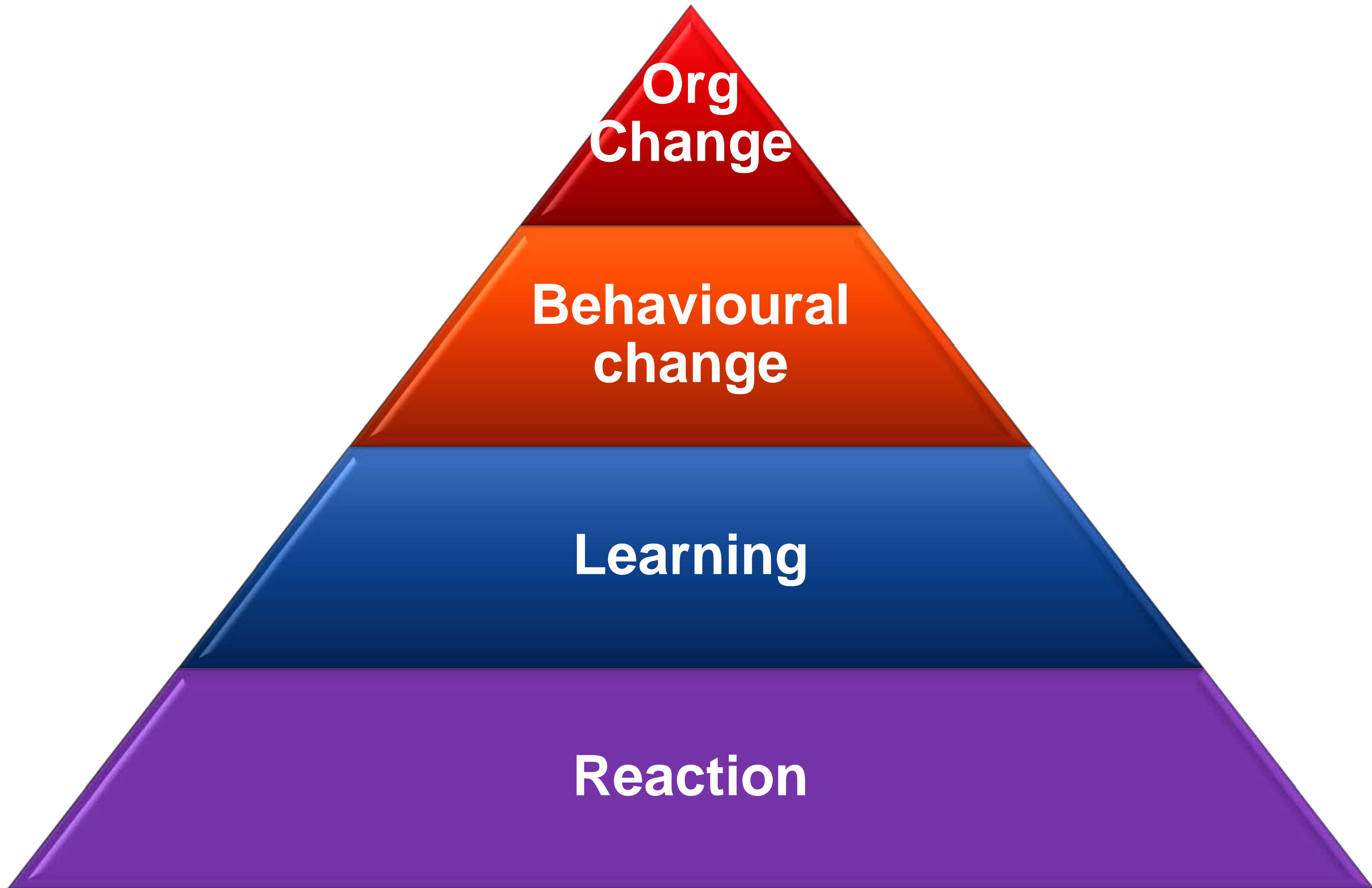
Jan 2011: Local launches



Feb - July 2011: Monthly sessions



Pre-Post Evaluation



Results

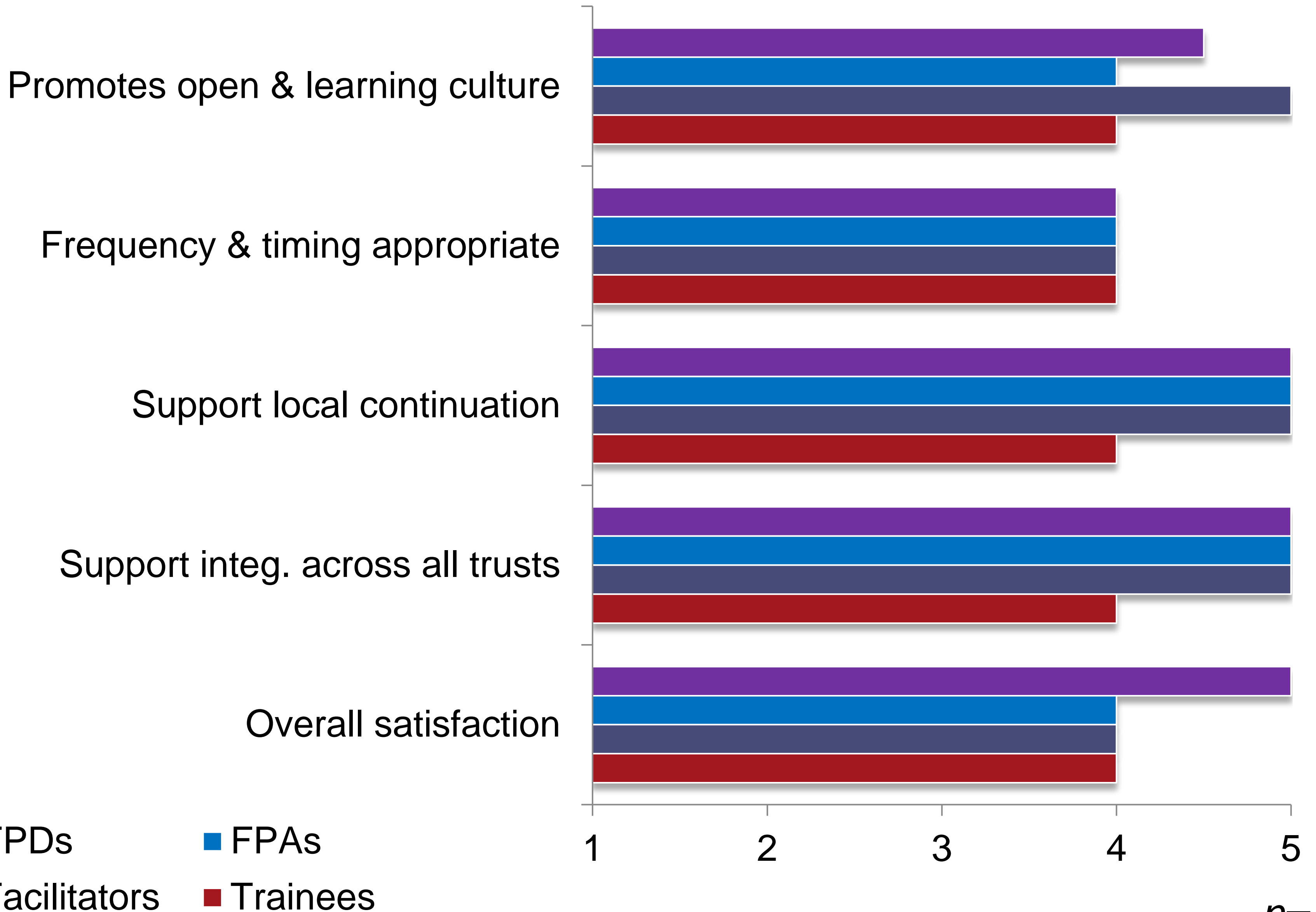
Overview

81% sites (13/16) held five or more sessions

165 sessions held from January to July 2011

Faculty facilitated 1 to 8 sessions each

Satisfaction



Testimonials

"...The greatest strength of Lessons Learnt is in making changes and improvements from the ground upwards via the foundation trainees..." FPD

"...I absolutely love these sessions. I learn from them as much as the trainees..." Faculty

"...Lessons Learnt sends a clear message that the blame culture has been laid to rest; that patient safety is more important than naming and shaming..." FY1

Knowledge, skills & attitudes

Patient safety knowledge

- Objective: 51.1% to 57.6% $p<0.001$
- Self-reported: mean 32% increase

Patient safety skills

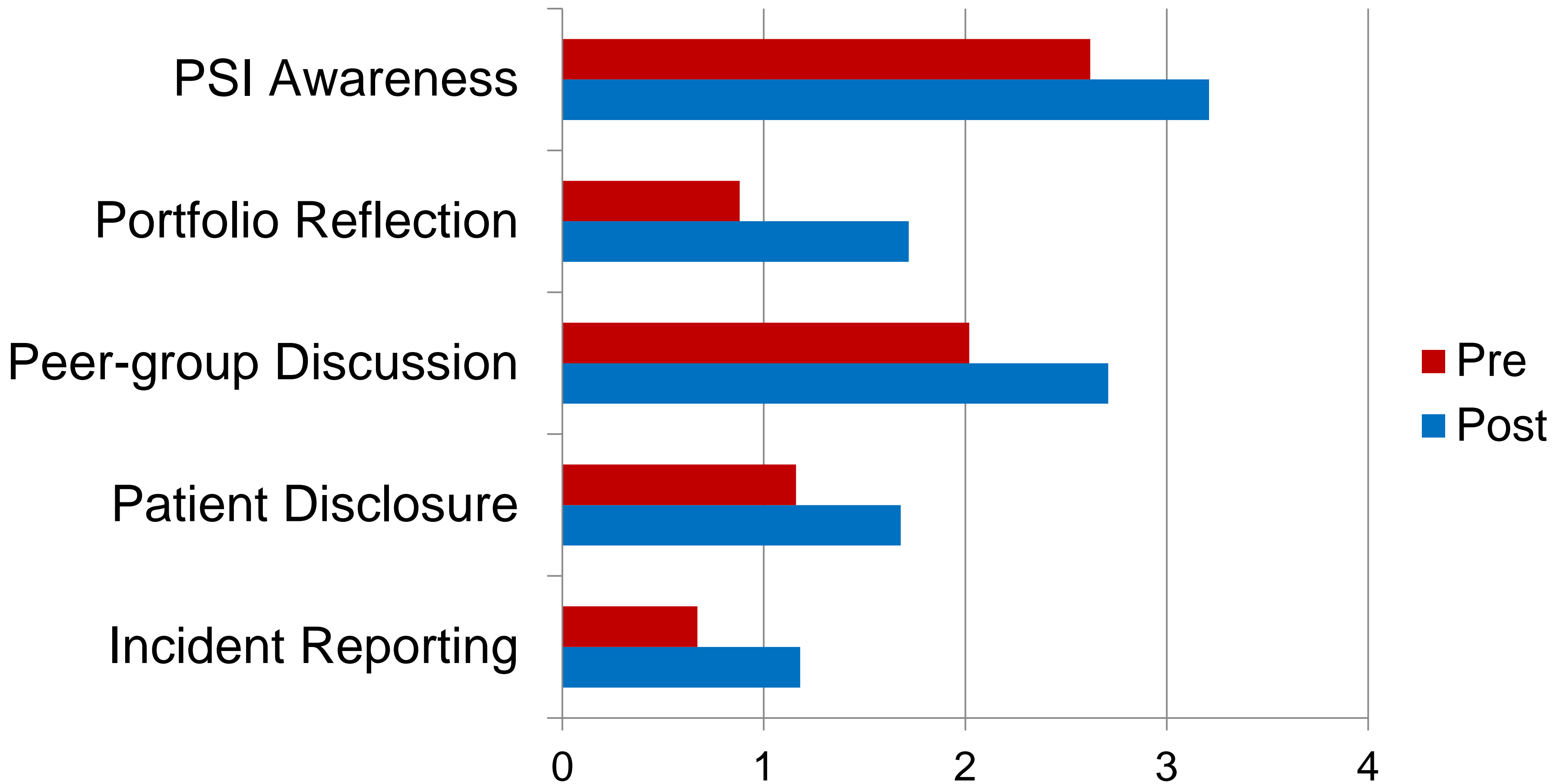
- Mean 29% increase

Patient safety attitudes

- Positive baseline attitudes
- Feelings & personal beliefs: no sig shift
- Perceived control: sig improvement
- Behavioural intentions: sig improvement

n=458-775

Behavioural Change



n= *428-737*

Improvement Projects

Service Delivery
- Novel protocols/ pathways
- Improved accessibility

Working Conditions
- Rota re-design
- Nurse staffing ratios

Education & Training
- NGT insertion
- Hyperkalaemia management

Clinical Leadership
- Trainees invited onto Trust Board
- Development of QI group

n=32

Lessons Learnt

Summary

Large-scale PS training intervention

Improvement in trainees' safety competencies

Senior doctor engagement as faculty

Springboard to quality improvement

Study Limitations

- Pre-post intervention design
- Lack of comparator group
- Self-reported measures (skills & behaviours)
- Post-intervention response rate 40-43%

Implementation Challenges

- Trainee leadership & engagement
- Competing interests of faculty
- Central vs local administration
- Support for quality improvement

Progress 2011-2014

Sustained across NW Foundation School

Multiple awards

Further spread

- North West Thames Foundation School (NW London)
- South Thames Foundation School (KSS)
- East Anglian Foundation School (East of England)

Acknowledgements

Health Education North West

- Paul Baker
- Jacky Hayden
- Stephenie Tiew

Imperial CPSSQ

- Sonal Arora
- Nick Sevdalis
- Charles Vincent

All local teams

Imperial College London

NHS National Institute for Health Research

MPS

NHS North West

References

Ahmed M, Arora S, Hayden J et al. Building a Safer Foundation: The Lessons Learnt Patient Safety Training Programme. *BMJ Qual Saf* 2014;23:78-86

Ahmed M, Arora S, Baker P et al. Building capacity and capability for patient safety education: A train-the-trainers programme for senior doctors. *BMJ Qual Saf* 2013;22:618-25

Ahmed M, Arora S, Baker P et al. Case-based learning for Patient Safety: The Lessons Learnt Program for UK Junior Doctors. *World J Surg* 2012;36:956-8