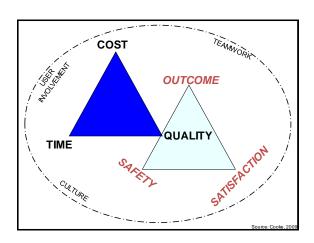
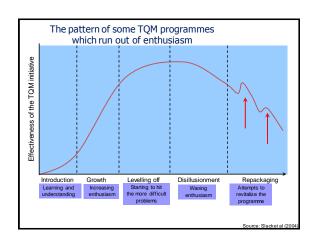


The Background

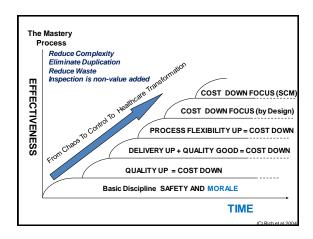
- · Patient safety management
 - Never really left us but has enjoyed a renaissance for all the wrong reasons
- · 'Lean' has become a dominant model
 - But there are many purveyors out there
 - The high profile US case studies dominate thinking
- Budget/Cost reduction requirements in the UK will accelerate lean programmes
- · Lean and safety management
 - Were they friends or foes?

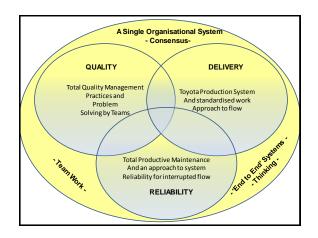
Commercial Pressures

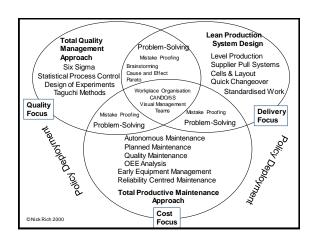


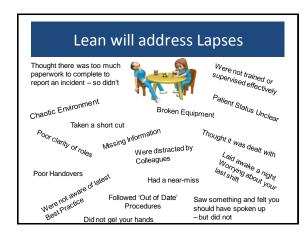






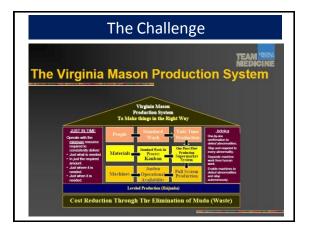


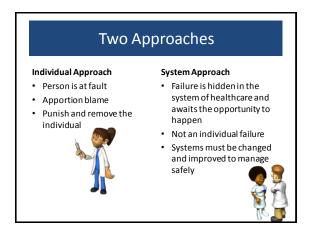




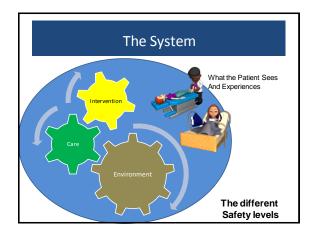


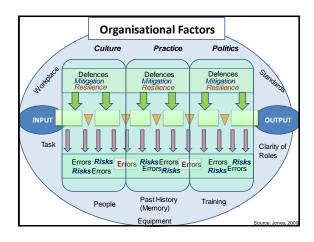


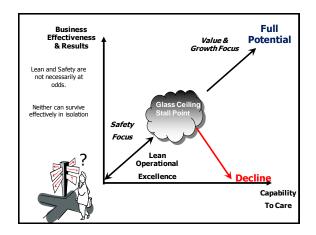


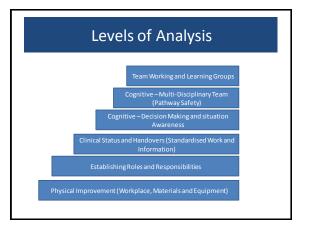


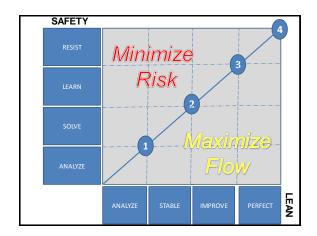


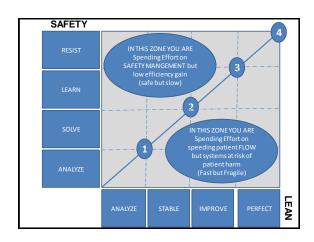




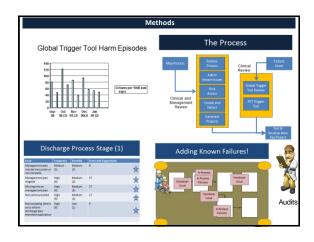


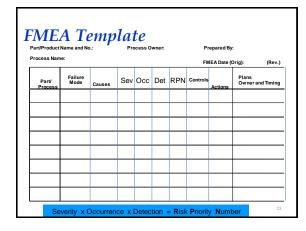




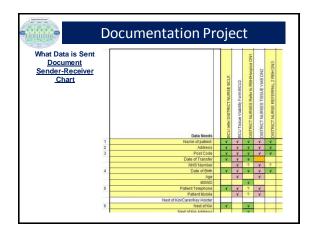


	Stage One				
STAGE ONE	SAFETY	LEAN			
Theme	System Risk Assessment and visualisation	Awareness of Value and visualisation			
Focus	Understanding of the system (risks) and the	Understanding of the system			
	buy in of key stakeholders via participation.	(wastes) and the buy in of key			
		stakeholders			
Main Issues	Risks	Costs, duplication, and delays			
Tools	System Models, process maps, task analysis	Pareto of patient types (families),			
		flow and cycle times, quality, hour			
		of operation.			
Prioritisation Tool	FMEA	Quick Fixes Basic P/solving			
Measures	Risk Scores and quantified levels of risk	Value added time, distance,			
	(historic data or expert/manufacturer)	Number of incidents			
Typical Stakeholders	Clinical experts and human factors/safety	Improvement specialist supported			
Involved in this stage	experts with management input	by clinical, safety, and managemen			
		representatives			
Education for the clinical	Low – active through learning by doing	Low – active through learning by			
stakeholders	(building the map)	doing (building the map)			
Reflection	Current state map - Low because it focuses on	Current state map - Low because i			
	immediate issues. Novelty through thinking	focuses on immediate issues but			
	about human factors and taking a systematic	novelty is in 'seeing the whole'			
	approach to safety.	system			



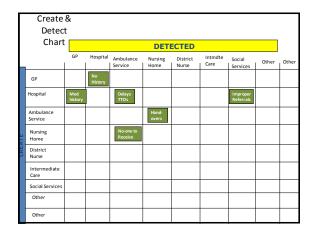


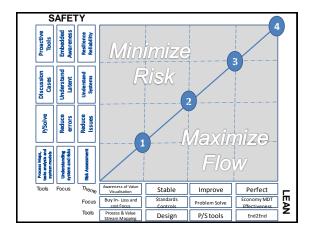
Stage Two				
STAGE ONE	SAFETY	LEAN		
Theme	Solve Issues	Stabilise		
Focus	Identify and eliminate risks	Standardised work/Std documents		
		Organised environment		
Main Issues	Risks	Process standards – Visual Management		
	Incident data	-5 Whys		
		Quality of Solutions		
Tools	Interventions in the microsystem	Interventions in the microsystem. Rapid		
	SBAR	Improvement Events		
		Learning how to do it right		
Prioritisation Tool	FMEA	Problem-Solving – flow barriers		
Measures	Number of incidents and reports	Number of events and incidents		
		Normality vs abnormality		
Typical Stakeholders	Clinical experts and human factors/safety	Teams clinical, safety, and management		
Involved in this stage	experts and teams involved with process	representatives		
Education for the clinical stakeholders	High – Solutions Management	High - learning by doing PDCA		
Reflection	KPIs and human factors. Incident Review	Standard work and PDCA cycle Incident review		

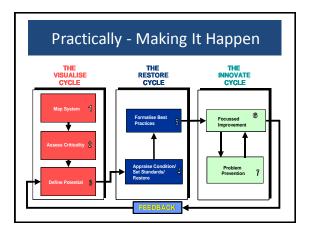


Stage Three				
STAGE ONE	SAFETY	LEAN		
Theme	Learning	Improvement		
Focus	Training and audits	and the buy in of key stakeholders		
Main Issues	Risks	Costs, duplication, and delays		
Tools	System Models, process maps, task analysis	Pareto of patient types (families),		
		flow and cycle times, quality, hour		
		of operation. How to do it better		
Prioritisation Tool	FMEA	Quick Fixes Basic P/solving		
Measures	Risk Scores and quantified levels of risk	Value added time, distance,		
	(historic data or expert/manufacturer)	Number of incidents		
Typical Stakeholders	Clinical experts and human factors/safety	Improvement specialist supported		
Involved in this stage	experts with management input	by clinical, safety, and managemen representatives		
Education for the clinical	Low – active through learning by doing	Low – active through learning by		
stakeholders	(building the map)	doing (building the map)		
Reflection	Current state map - Low because it focuses on	Current state map - Low because i		
	immediate issues. Novelty through thinking	focuses on immediate issues but		
	about human factors and taking a systematic	novelty is in 'seeing the whole'		
	approach to safety.	system		

Stage Four				
STAGE ONE	SAFETY	LEAN		
Theme	Resist	Perfect		
Focus	Creating reliability and systems that.	Understanding of the whole system the buy in of other depts/organisations		
Main Issues	Design of Robust, Resilient and Redundant System	End To End Management		
Tools	Design Mistake Proofing Advanced situation awareness	End to End Maps - Kaizen Create and detect Mistake Proofing Learning how to learn and do thing differently		
Prioritisation Tool	P/solve embedded/IR1	Embedded P/Solve		
Measures	Mean Time Between Failure Mean Time to Recover	Mean time between failure Mean Time to Recover (design)		
Typical Stakeholders Involved in this stage	All – proactive risk monitoring	Many		
Education for the clinical stakeholders	Group Learning and discourse	Group Learning and discourse		
Reflection	Systematic Design for safety./Preventive/Predictive Reliability centred management	Design for safety and improved flow Reliability Centred Management		







The Current State

- Building the model and testing with our partners
- Positioning our partners and looking at how they evolve
- How did they and do they use tools, techniques and methodologies?
- Can we predict the next stage?
- How are system efficiency and effectiveness measures used for learning?

