

The Electronic Patient Record

OVERCOMING THE CHALLENGES OF PAPERLESS
DOCUMENTATION

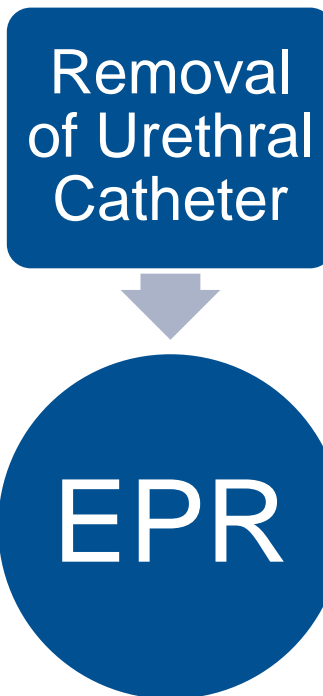
Salford & the Electronic Patient Record

Salford Royal NHS Foundation Trust went live with an Electronic Patient Record (EPR) in 1999. Since then it has continued to grow and develop to become our Health Record in 2010 and Clinical Coding's primary source of information.

Designing an Accessible EPR

Originally, Clinical Coding was never even considered when designing the EPR at Salford. With the growth of PbR and HRG's our influence has grown so that we are now involved in the discussions and having our needs considered.

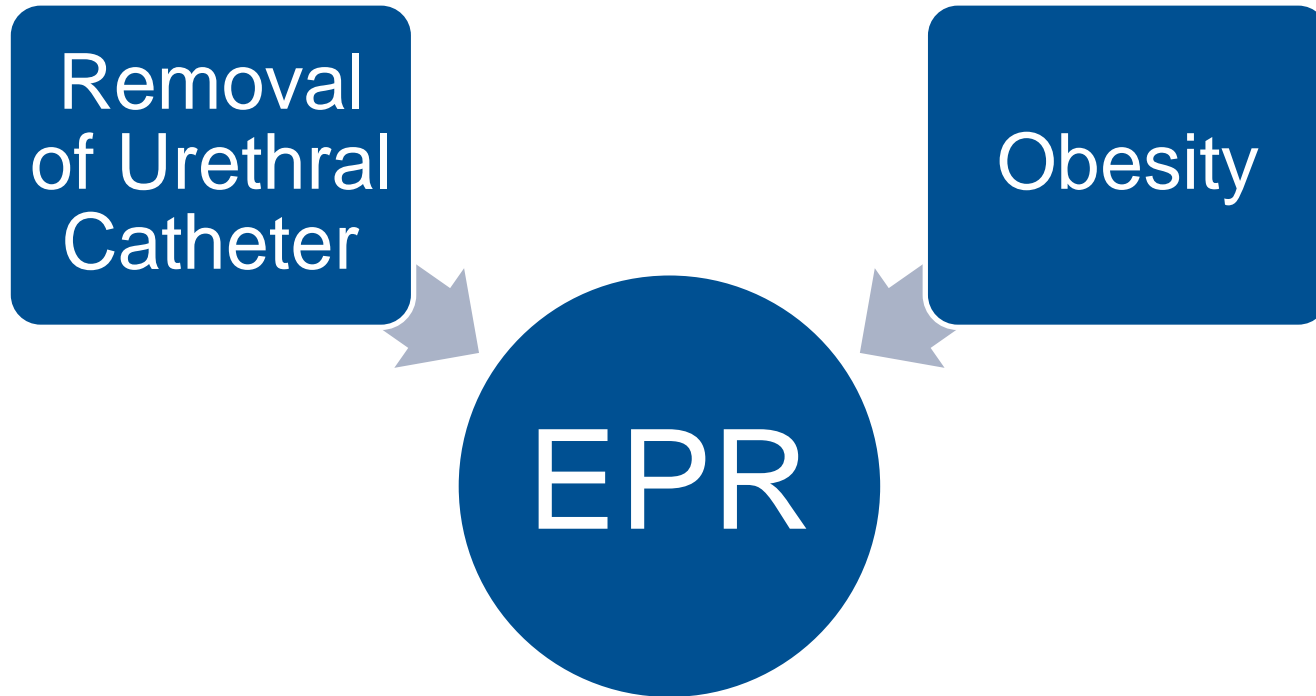
Designing an Accessible EPR



Removal of Urethral Catheter

Health Issues		
Health Issue	Onset Date	Health Issue Code
[-] Procedures		
Epidural catheter	19-10-2009	65
Arterial Catheter Left Radial	19-10-2009	95
CVC Int jug. R. Quad or+ lumen	19-10-2009	72
Let. Ureteroscopy & Laser	27-04-2009	
[-] Minor Procedure		
Removal of Urethral Catheter f	02-10-2016	M47.3
[-] Major Procedure		
Right nephrectomy	2009	
[-] Past History		
Acute Kidney Injury	29-09-2016	AKI
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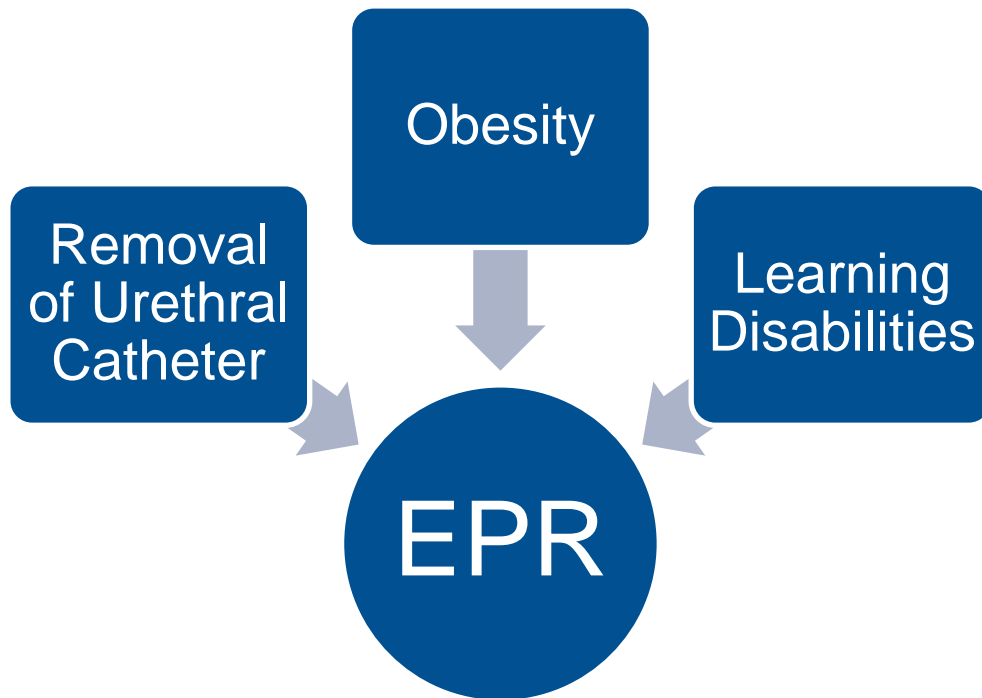
Designing an Accessible EPR



WATERLOW RISK ASSESSMENT (Waterlow J, 1991):

• Build/Weight	2 - Obese (BMI > 30)
• Contenance	0 - Complete
• Skin Type/Visual Risk Areas	0 - Healthy
• Grade of pressure ulcer (EPUAP)	N/A
• Did patient arrive with pressure ulcer	No
• Mobility	3 - Restrictive
• Gender	2 - Female
• Age	3 - 65 - 74
• Appetite	2 - NG Tube/Fluids Only
• Tissue Malnutrition/Special Risks	None
• Neurological Deficit	Not applicable
• Major Surgery/Trauma	5 - On table >2 hours
• Medication	Not applicable
• Waterlow Score	17
• Waterlow Outcome	15+ High Risk
• High Risk 15+	Record in care plan, Evaluate per shift
• Waterlow assessment completed within	4hrs

Designing an Accessible EPR



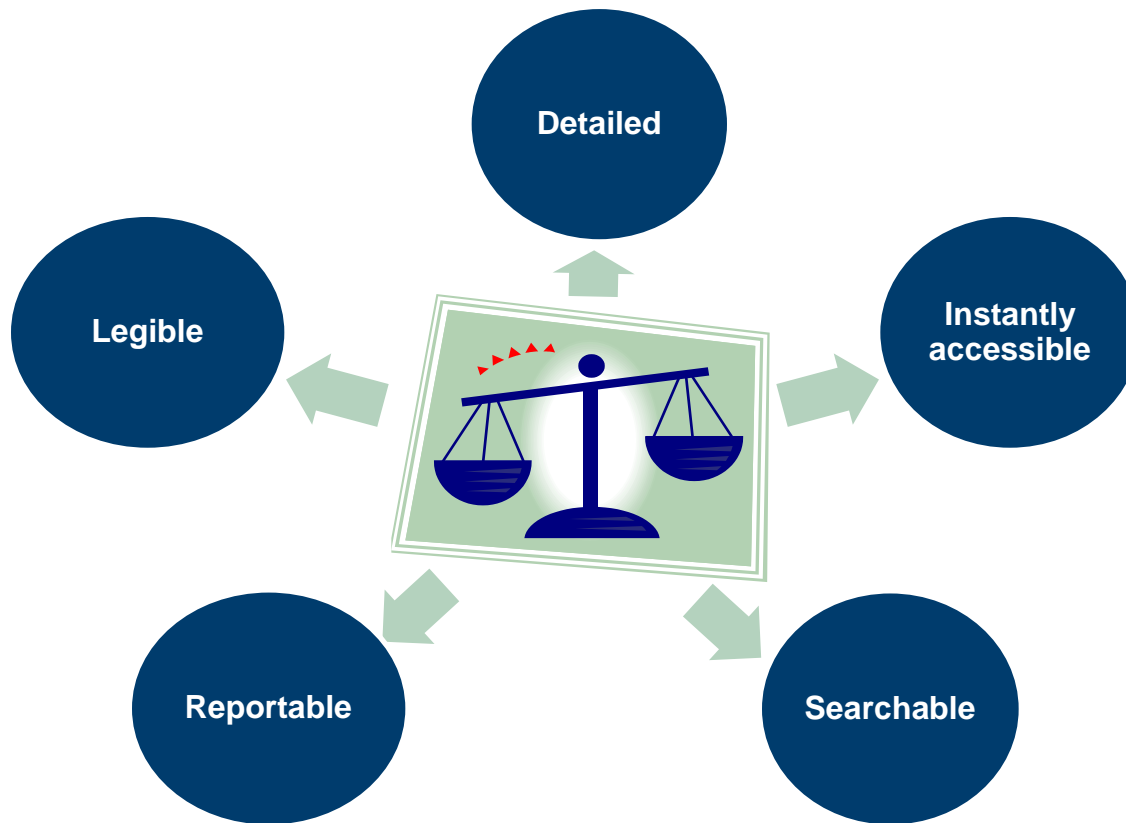
Learning Disability

Significant Events			
Event	Type	Onset Date	Description
Patient triggered score = 3	Early Warning Score	11-07-2016	due to inspired O2 and...
Cognitive Impairment	Cognitive Impairment		Standard DOLS expires...
Learning Difficulty	Cognitive Impairment...		
Learning Difficulty	Cognitive Impairment...		
Patient with Learning Difficulties	Safeguarding Event		Some problems with ADL...
Venalink	Compliance Aid		Boots chemist 117-18...
Medidose	Compliance Aid		Currently resident at...
Paper notes scanned	Scanned Records	13-03-2012	

Balancing Efficiency & Quality

Even with an EPR, a balance between efficiency and quality is still an aim for any Clinical Coding Team.

Balancing Efficiency & Quality



Engaging with Clinicians

With the availability of so much information within the EPR, engagement with Clinicians has become a vital part of our role.



- Orthopaedics
 - Operation note template adjustment
- Geriatric medicine
 - Abolish the use of the term impression

Different Messages, Different Specialties

The different ways of using EPR and the needs of the individual services can mean varying levels of information quality...



Health Issues

Some consultants are keen for accurate information

		Health Issue	Code	ICD-9	ICD-10	SNOMED CT	Type	Onset Date
- *Visit Reason (1)								
+		Unwell adult (GU/UA)					*Visit Reason	11-09-2016
- Visit Diagnosis (1)								
+		Pneumonia, community acquired	387				Visit Diagnosis	19-09-2016
- Minor Procedure (1)								
+		Unspecified Urethral Catheteri	M47.9				Minor Procedure	11-09-2016
- Past History (4)								
+		Pneumonia, community acquired	387				Past History	19-09-2016
+		Pneumonia, community acquired	387				Past History	19-09-2016
+		Chron's disease					Past History	19-09-2016
+		prev Lung Cancer - lobectomy 2yrs ago	C34.9				Past History	19-09-2016
- Risk Factors (2)								
+		Never consumed alcohol	RF16				Risk Factors	11-09-2016
+		Smoking - Never smoked	RF2				Risk Factors	11-09-2016

Health Issues

Others are yet to realise the benefits and potential

		Health Issue	Code	ICD-9	ICD-10	SNOMED CT	Type	Onset Date
- *Visit Reason (1)								
+		Testicular pain (TP)					*Visit Reason	03-10-2016
- ED Diagnosis (1)								
+		testicular pain					ED Diagnosis	03-10-2016
- Procedures (1)								
+		Left knee scope + partial menisectomy					Procedures	05-03-2010
- Risk Factors (1)								
+		Smoking - Current smoker	Z72.0				Risk Factors	

How Data is Driving Change

One of our greatest achievements has been around learning disabilities and how through information collected by the EPR we are able to correctly code patients with an unspecified learning disability and those with a true learning disability.

Food for thought...

“In order for the National Health Service to continue to provide a high level of healthcare at an affordable cost, it simply must modernise and transform. This transformation will involve enormous changes in culture, structure, governance, workforce, and training.

But none of the changes are likely to be as sweeping, as important, or as challenging as creating a fully digitised NHS.”
“Getting it right requires a new approach, one that may appear paradoxical yet is ultimately obvious: digitising effectively is not simply about the technology, it is mostly about the people.”

Dr Wachter

Chair to the National Advisory Group on Health Information Technology in England