

Dr Ralph Sullivan

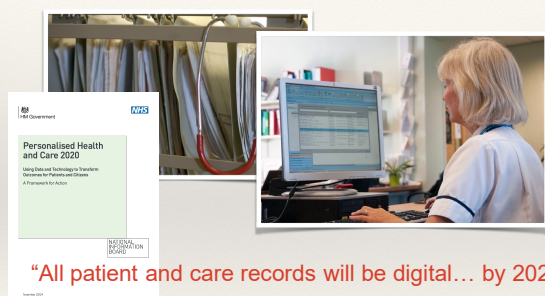
Patient Health Records

Their Contents and Use

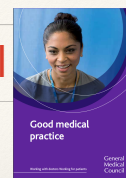
I am going to explain ...

- ❖ What is in NHS patient records
 - ❖ Who keeps them
 - ❖ How are they used in personal healthcare
-
- ❖ What else patient records are used for
 - ❖ Consequences if they were not used for these other purposes
 - ❖ Reasons for using information that might identify patients

Paper to Computers by 2020



General Medical Council



21. Clinical **records** should include:

- ❖ relevant clinical findings
- ❖ the decisions made and actions agreed, and who is making the decisions and agreeing the actions
- ❖ the information given to patients
- ❖ any drugs prescribed or other investigation or treatment
- ❖ who is making the record and when

20. You **must** keep records that contain personal information about patients, colleagues or others **securely**, and in line with any data protection requirements.

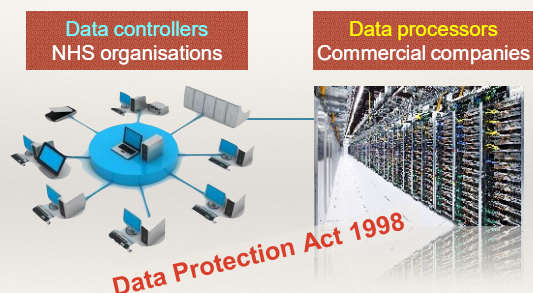
50. You **must** treat information about patients as **confidential**. This includes after a patient has died.

Medical records - building blocks

- ❖ Identity data
- ❖ Free text - notes
- ❖ Coded machine-readable
- ❖ Images
- ❖ Letters and reports

- ❖ Important illnesses, accidents, operations
- ❖ Biological data (e.g. BP, wt)
- ❖ Investigations and screening tests
- ❖ Prescribing and treatment
- ❖ Lifestyle and social circumstances
- ❖ Appointment data

Patient record storage



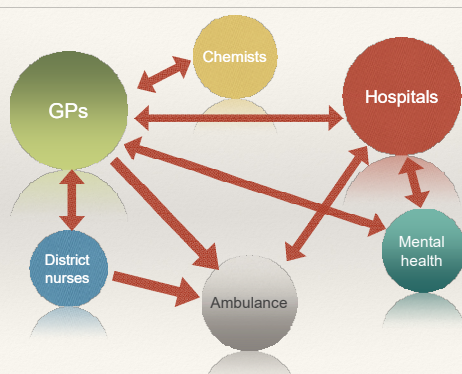
Antibiotic prescribing audit

Parent Population: Co-amoxiclav prescribing
Last Run: 12-Aug-2014 13:46 Relative Date: 12-Aug-2014 13:46

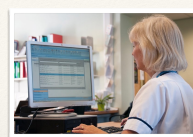
Patient Count	Males	Females
42	18	24

Patient Details		Medication Issues		
EMIS Number	Name, Dosage and Quantity	Date of Issue	Issuing User's Surname	Linked Problems' Code
15322	Co-amoxiclav 500mg/125mg tablets	08-Jul-2014	McKirdy	
15996	Co-amoxiclav 500mg/125mg tablets	14-Apr-2014	Parkinson	Dog bite
16151	Co-amoxiclav 250mg/125mg tablets	21-May-2014	Grant	
16385	Co-amoxiclav 500mg/125mg tablets	20-May-2014	Sullivan	Diverticulitis
17375	Co-amoxiclav 500mg/125mg tablets	04-Aug-2014	McKirdy	Diarrhoea
17768	Co-amoxiclav 500mg/125mg tablets	02-Jul-2014	McKirdy	Abdominal pain
20155	Co-amoxiclav 500mg/125mg tablets	23-May-2014	Lister	Urinary tract infection,
20566	Co-amoxiclav 500mg/125mg tablets	14-Jul-2014	Astle	Tonsillectomy
20687	Co-amoxiclav 500mg/125mg tablets	01-Apr-2014	Disberry	[X]Bite from human
21546	Co-amoxiclav 500mg/125mg tablets	27-May-2014	Morgan	Animal bites
21989	Co-amoxiclav 500mg/125mg tablets	15-Apr-2014	Astle	
22090	Co-amoxiclav 500mg/125mg tablets	28-Jul-2014	McKirdy	Chronic obstructive pu

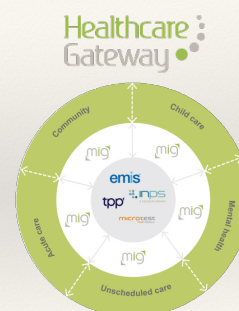
One patient, many records



Health Record Viewers



- ❖ GP records in A&E in Morecambe Bay
- ❖ "Out of hours" record viewer in North Lancashire and Cumbria
- ❖ Extended hours GP service in Wigan
- ❖ Patient Access nationwide

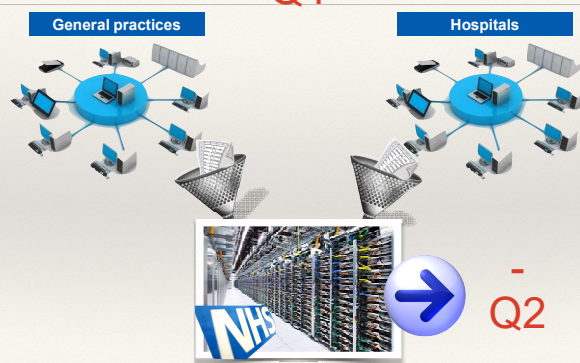


Other uses of health data

- ❖ NHS payment system
- ❖ Quality monitoring
- ❖ NHS planning and public health
- ❖ Research
- ❖ Non-healthcare uses



New records - Q1



De-identifying patient level data

Patient-level records for direct care include ...

- ✦ Name and address, email address, telephone numbers
- ✦ **NHS number**, date of birth, post code, gender

Protecting identity in the new record

- ✦ Remove identifiers, blur or remove data
- ✦ Physical security and encryption
- ✦ Data sharing agreements



Examples of secondary uses

- ✦ Secondary Uses Service (SUS)
- ✦ Hospital Episode Statistics (HES)
- ✦ QResearch
- ✦ Office of National Statistics (ONS)



Secondary Uses Service (SUS)

- ✦ When a patient or service user is treated or cared for by hospitals, information is collected which supports their treatment.
- ✦ SUS is a data warehouse containing this identifiable patient-level information from NHS Trusts in England.
- ✦ NHS providers and commissioners can use the data for 'secondary purposes':

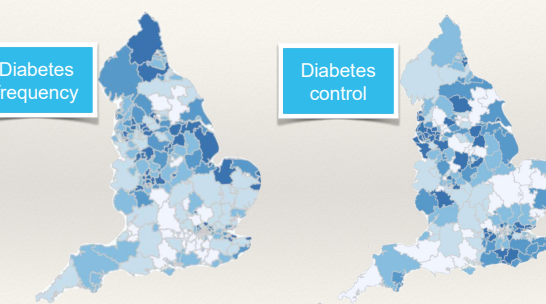
- Healthcare planning
- Commissioning services
- Payment by Results
- Improving public health
- Developing national policy

National Diabetes Audit



Diabetes frequency

Diabetes control



Summary

- ✦ NHS organisations keep extensive health records
- ✦ Identifiable data is shared for your direct care
- ✦ New records are made by combining records from different NHS organisations
- ✦ Many organisations ask for health data for purposes that may benefit you indirectly
- ✦ Patient level data is often needed

Thank you