Digital Patient Strategy
GM Architecture:
Interoperability and Innovation Hubs
Broad types of cross organisational data sharing for Direct Care
Or for sharing directly with Patients.

- Narrative
  - Discharge letters
  - Clinical documents
  - Care plans
  - Read and interpreted by clinical staff.
- Images
- Structured information
  - Demographic details
  - Diagnosis
  - Medications
  - Treatment
  - Test Results
  - Allergies
  - Immunisations
  - End of life
  - Consultations
  - Snomed/Read codes
- Workflow
  - Assessment, discharge and withdrawal (AWD)
  - Alcohol assessment
  - Speech & language therapy (Salt)
  - Referrals
- Alerts/Triggers/Rules Engine
  - Sepsis score
- Value added
  - Case finding
  - Risk stratification.

Example Benefits.
- Standardisation of care
- Reduction in harm
- More immediate changes to care.
- Removal of repeat tests
- Removal of unnecessary tests
- Removal of unnecessary hospitalisations
- Pre-emptive care

- The DataWell Pathology accelerator is estimated to save >£11 Million over 5 years
Possibilities

- Deploy a single Electronic Patient Record into all acute hospitals?
- Deploy a single GP system across all practices?
- Deploy a single diagnostic suite across GM (Rad/Path etc..)?
- Consolidate specialist services into single GM instances?
- Transform into one mega-hospital?
Moving all to the same monolithic platform only moves the problem boundaries. It doesn’t solve the problem.

We will always need to share data between systems, services and localities.
A Joined up architecture across The Wider Public Sector, Health and Social Care and Health Innovation Manchester.

The vision of a GM Unified Architecture is to create a single common platform for health, social care, and local public services to securely share data, to deliver seamless and integrated services for the benefit of citizens. To use anonymous data to improve services and outcomes for all citizens.

Examples
- Citizen empowerment.
  - Access to records
  - IOTs
- Sharing for direct care.
  - GP to Acute
  - Acute to Social Care
- Sharing with public sector
  - Police & mental Health
  - Fire & safety for dementia patients.
- Sharing within the public sector
  - Victims support
  - Early years
- Sharing across all sectors
  - Wider determinants of health & population health
  - Health Innovation Manchester.
  - Hep C elimination.

Health Innovation Manchester brings together academic research and clinical excellence with industry innovators, creating shorter and more certain pathways to enable adoption at scale.
GM Interoperability Hub

- Are we talking about the same patient?
- Who has information about the patient?
- What services are available to request/refer into?
- Who is involved with this patient’s care?
- Patient consent and record all interactions
- When discharged, let social services know.

Share information with providers and other stakeholders

Patient Information (Clinical Notes, prescriptions, referral letters etc.)

Patient Images/Video (Radiology, Digital Pathology, Medical Illustration, RT Treatment Plans)

Secure Information