

## Offline data flows

Nightly ETL



Table reader

6

## Online data flows

EHR

New HL7 interfaces

2-way  
HL7  
message  
exchange

Integration  
Engine

1-way  
HL7  
message  
flow

Other live  
clinical systems

EMAP  
Data flows  
Existing

Immutable  
Data Store

1

Message  
reader

2

Message  
queue

3

Event  
processor

Historical  
data loads

## EMAP

A live data platform  
for *integrated*  
development and  
deployment

User Facing  
Emails

Secure  
server deployed in a  
UCLH  
Generic  
Application  
Environment

Iterative  
development  
cycle with  
user input

ED  
predictor

5

EMAP  
development  
environment

User  
Data Store

4

