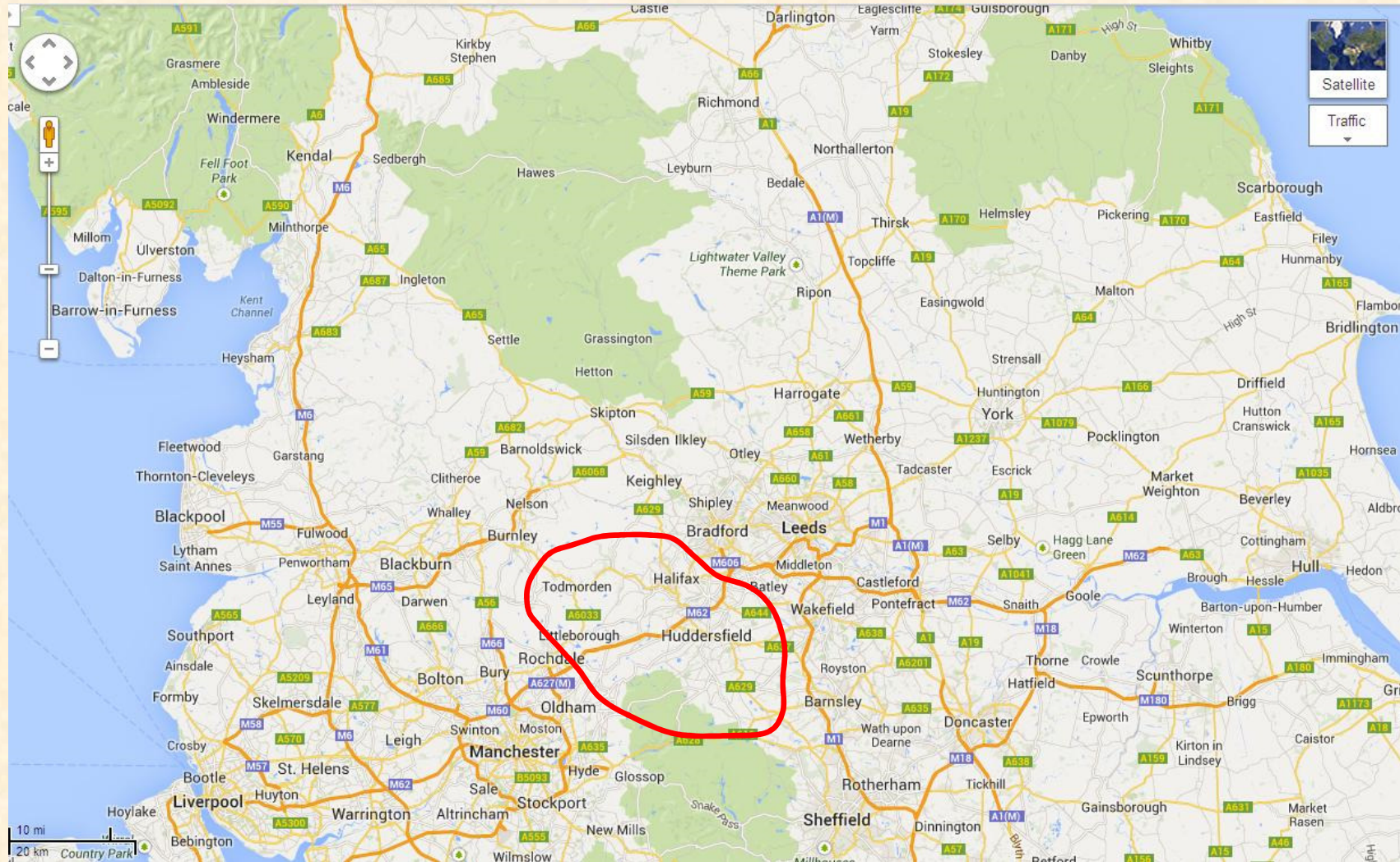


# Integrating IT systems to optimise patient care pathways

By Harry Crank  
Coordinator



# Where are we?



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson

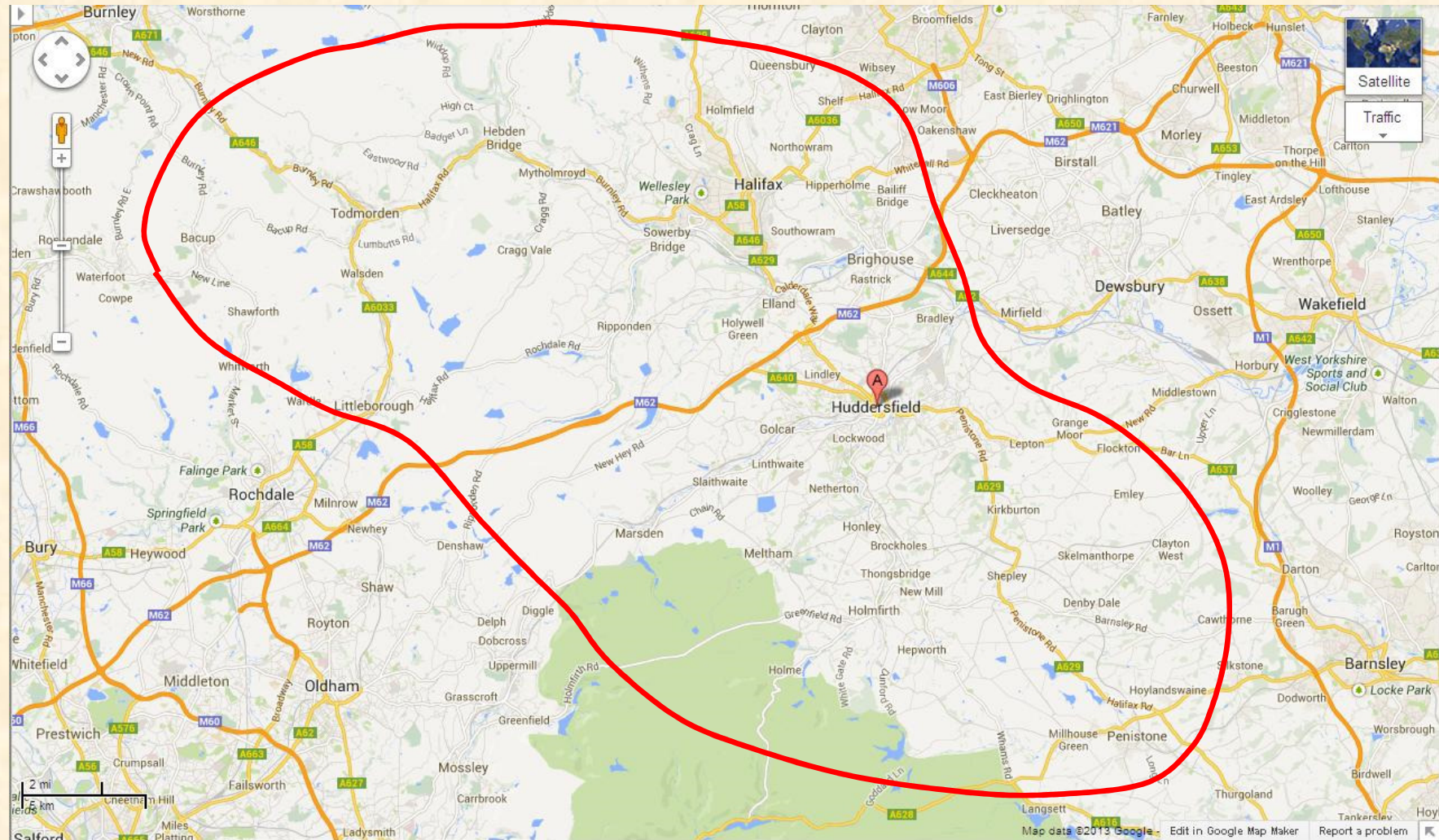


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Our Concern





# Area of where we cover...



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Chief Executive: Owen Wilson



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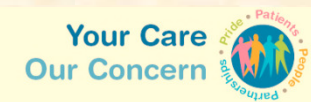


# Brief overview of our Service

- 4600+ patients
- Pharmacists, Nurses, Phlebotomists and MLAs
- Open Monday – Friday, 07:30 – 18:00
- 20+ community clinics
- Daily housebound patient service
- 110+ GP Practices
- 70,000 INRs / year



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson

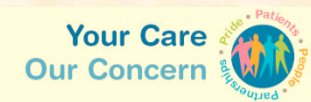


# History of our Service

- 1995 – Two different services on two sites
- 2002 – HRI site went on to Dawn v.6
- 2008 – CRH “In-house” system broke down
- 2009 – Both sites merged & relocated all at HRI
- 2010 – Upgraded to Dawn v.7
- 2012 – Bought a paper letter folding machine
- 2013 – Bought 4 CoaguChek Pro machines & auto-authorising module
- 2014 – Bought a further 20 CoaguChek Pro machines
- 2015 – Change of service and clinics, introduced the Dawn -> SystmOne interface
- 2016 – Introduced the COBAS IT1000 -> Dawn interface

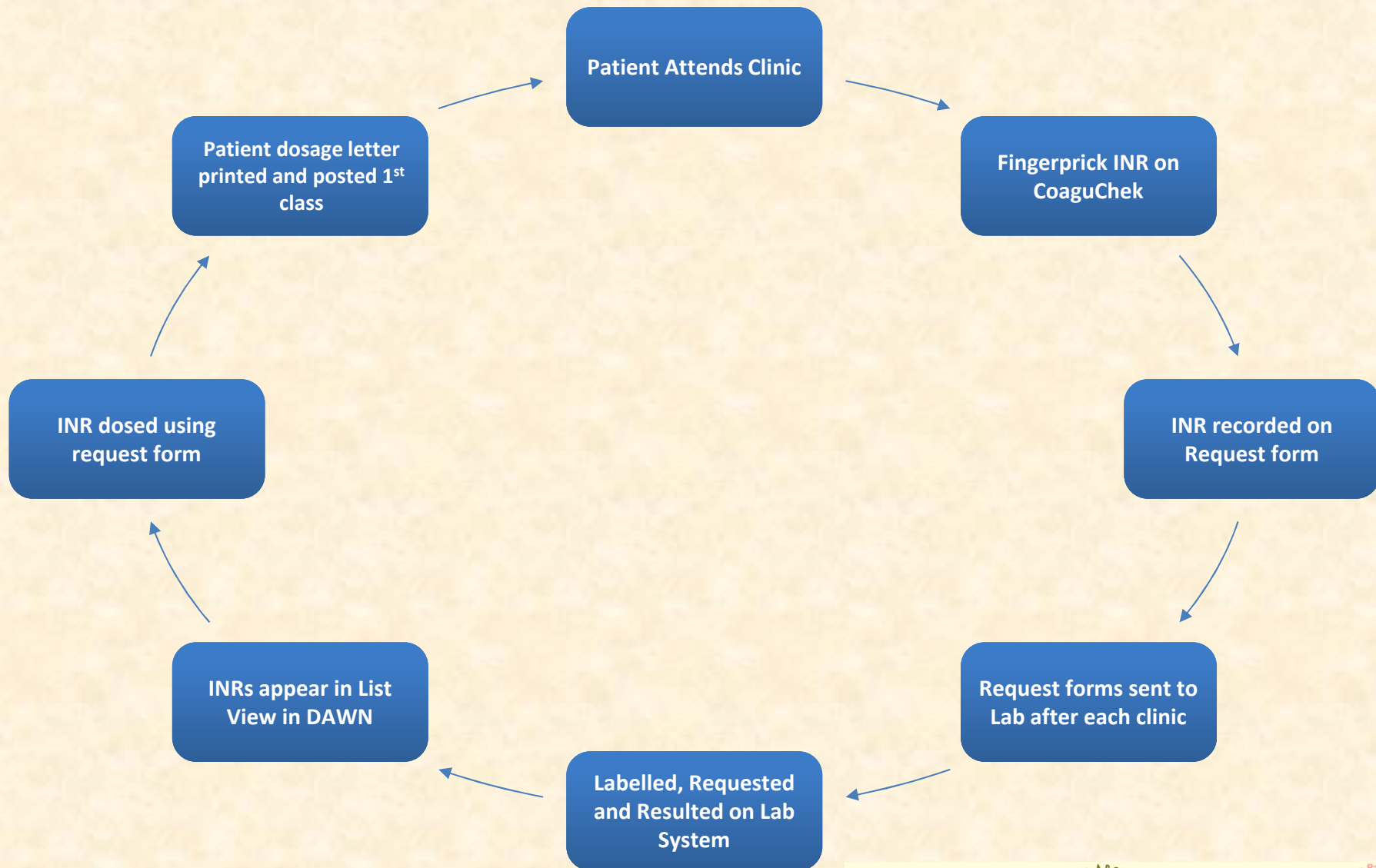


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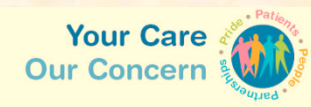




# Sample Process Mapping



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Chief Executive: Owen Wilson



# Sample Process Mapping



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson



# Sample Process Mapping



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson





# Bridging primary care and secondary care pt.1

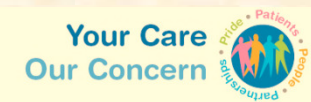
Request from Greater Huddersfield CCG to change the delivery of service:

- Patients to be seen in a 1-Stop-Shop
- GPs to receive results the same day
- 8 Hub locations in Huddersfield

How were we going to do this?



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# Bridging primary care and secondary care pt.2

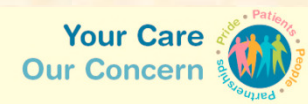
? What could DAWN do to help?

We needed interfaces between:

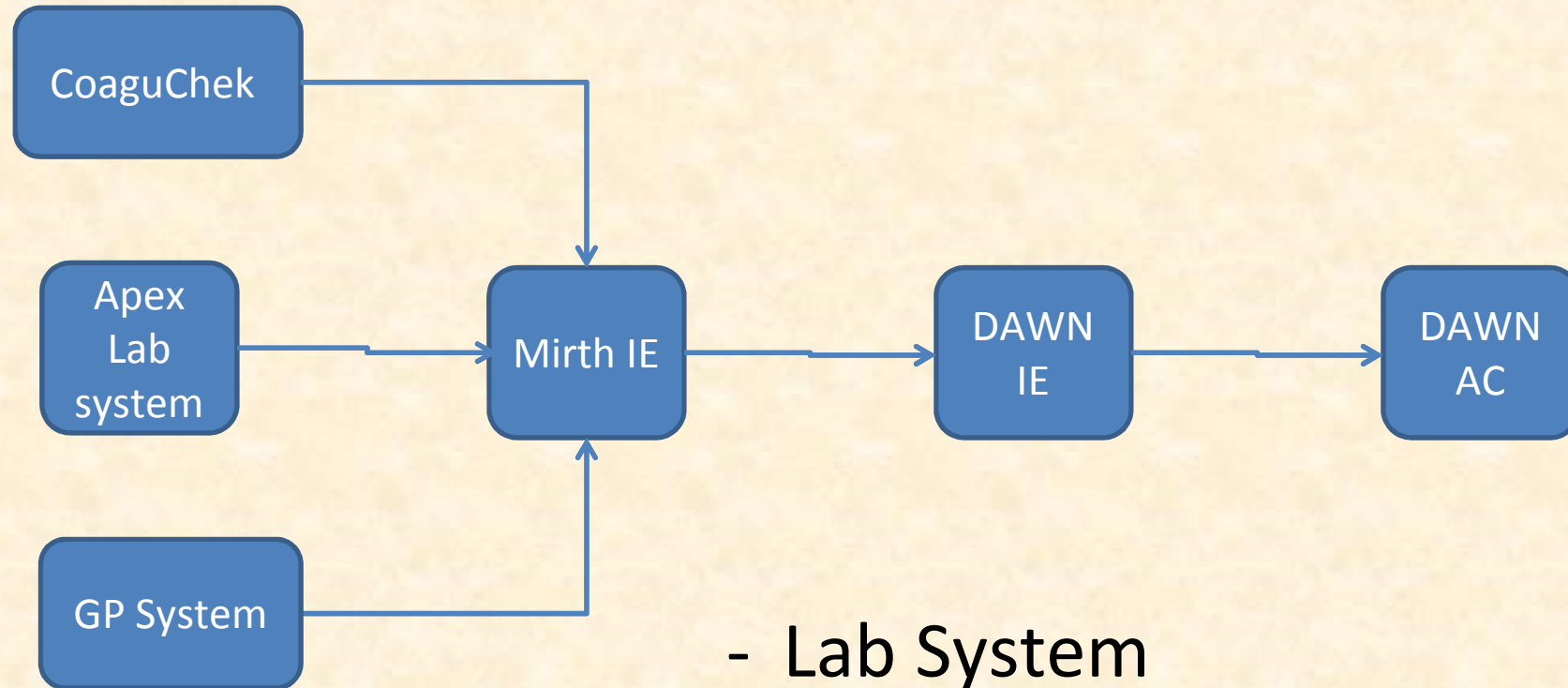
- DAWN <-> GP system (Bi-directional)
- CoaguCheks -> DAWN



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# Inbound Interfaces



- Lab System
- CoaguChek
- GP System



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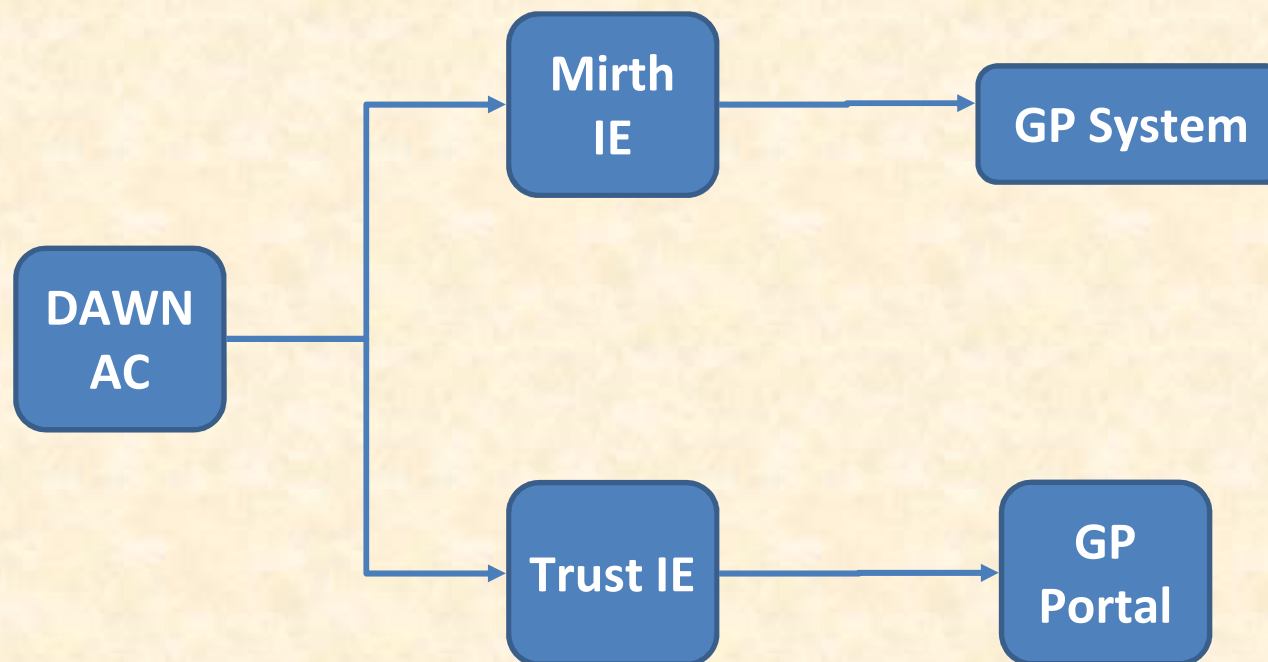
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# Outbound Interfaces

- GP System
- GP Portal for letters



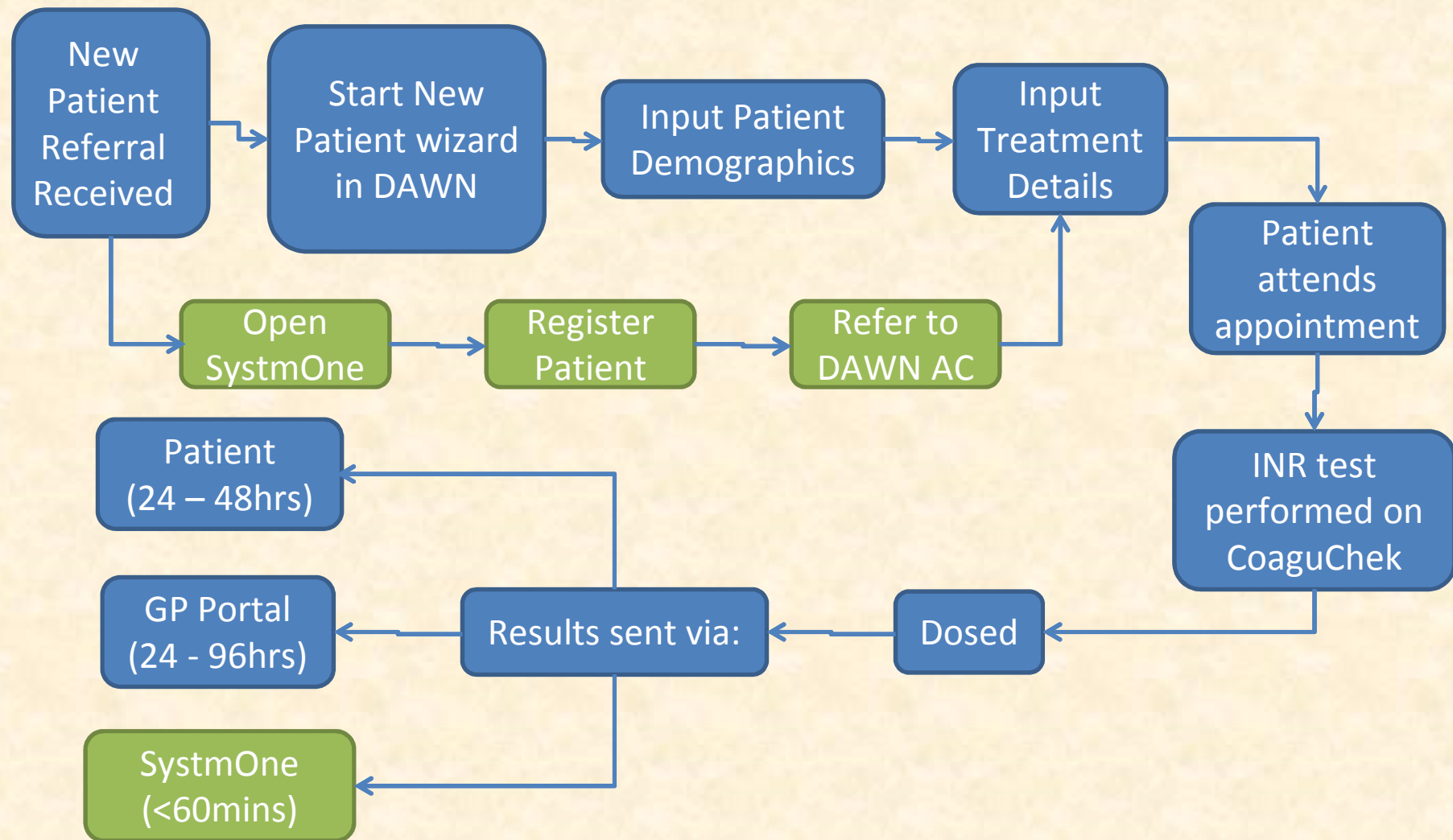
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# SystmOne Process Map



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Chief Executive: Owen Wilson



# GP System Interface

## Benefits:

- Patient INR and Dosage uploaded to GP System same day
- Prescriptions can be actioned by the GP
- Notes are re-coded in GP System
- Improved patient safety
- We are notified of address changes, deaths, admissions etc.

Mon 15 Aug 2016 CH	09:17 - Surgery: Carol Hartley (Admin/Clinical Support Access Role) International normalised ratio (42QE.) 3 - Added by the Inhealthcare platform
Mon 15 Aug 2016 CH	09:18 - Surgery: Carol Hartley (Admin/Clinical Support Access Role) Warfarin Dose (Y0786) 10 mg Added by the Inhealthcare platform - Anticoagulant - Warfarin (Mixed Daily). AC Reason - Aortic Valve Replacement - Mechanical. Target Range 2.5 - 3.5 (Target 3.0). 10.00 mg per day average. 10mg Daily. Next test date: 26/09/2016.

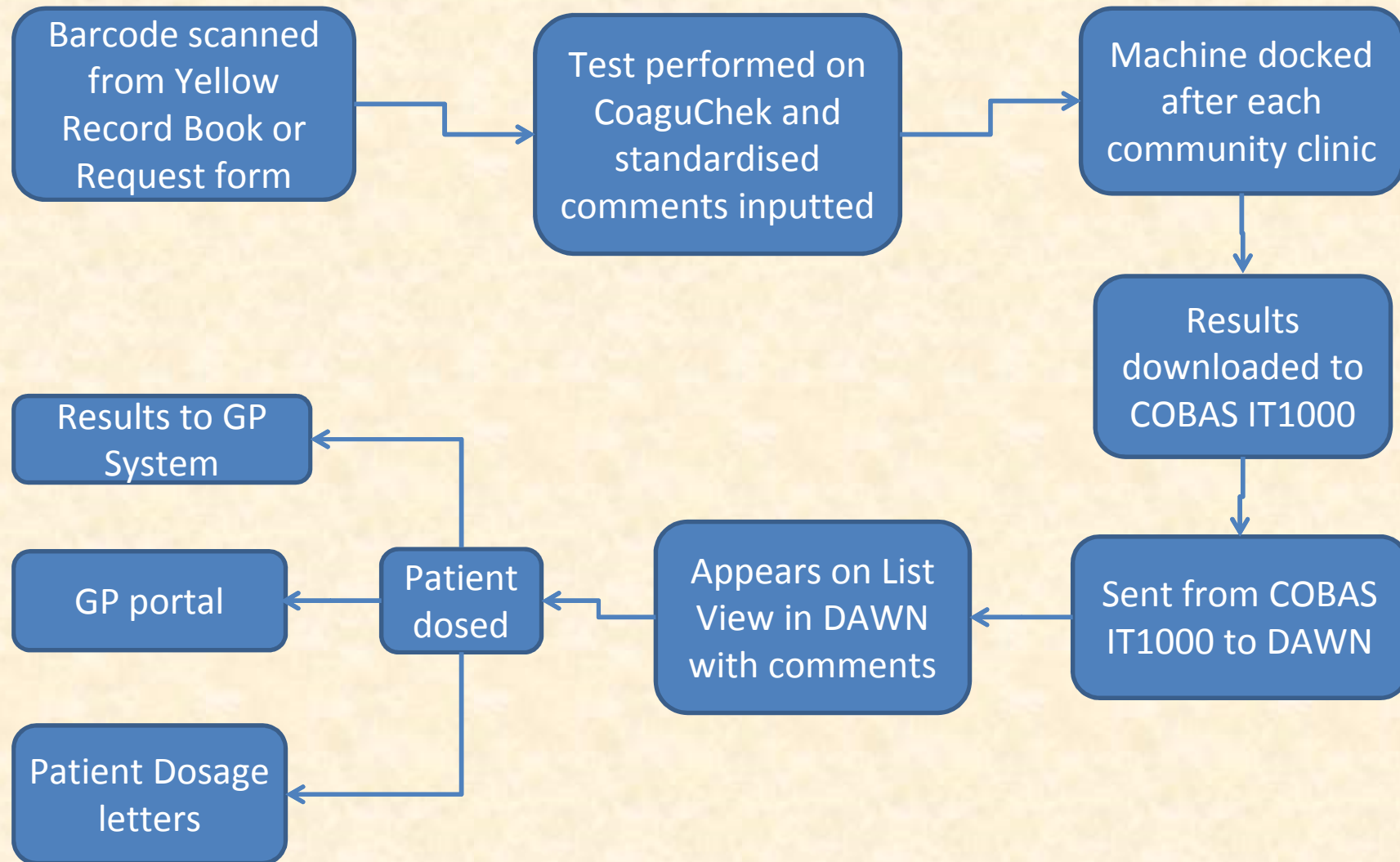


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# CoaguChek Interface



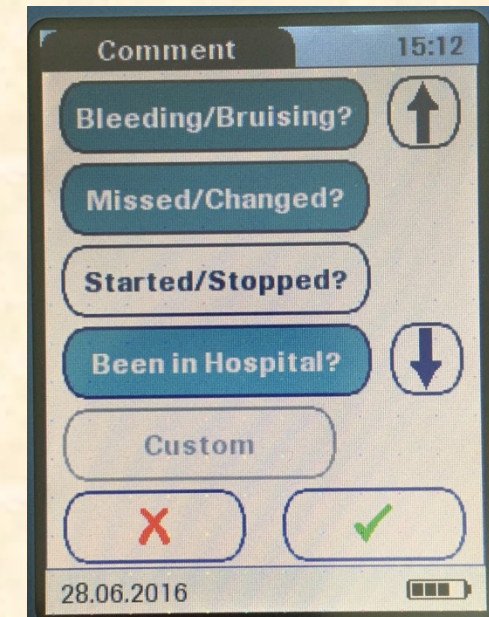
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Chief Executive: Owen Wilson



# CoaguChek Interface

## Benefits:

- Results sent to DAWN with comments
- Reduced transcription errors
- CoaguChek management
- Data export – QC graphs, users, errors
- Certification of users
- Time saving

A screenshot of the CoaguChek desktop software interface. The top menu bar includes 'Dosing', 'Contacts', 'Letters', 'Drugs', 'Events', 'Reviews', 'Reminders', 'Groups', and 'Documents'. The main area displays patient information: 'INR: 2.8 InRange ✓', 'Date: 29/09/2016 ✓', and 'Scheduled for Thu 29/09/2016, 08:30 - 09:00 in clinic: CRH - Blood Tests 08:00-15:00 (Tel: 222049)'. Below this, there's a section for '1mg Mon-Fri, 2mg Sat/Sun'. A 'Treatment notes' section contains the text 'Request Form Comments: Started/Stopped'. At the bottom, there are fields for 'Dose: 1.29 d', 'Status: Tested', 'Next: 13/10/2016 2 wk', and a checkbox for 'No Further Appointments'. A green 'Accept dose' button is at the bottom left.

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# What next?

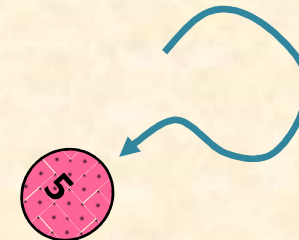
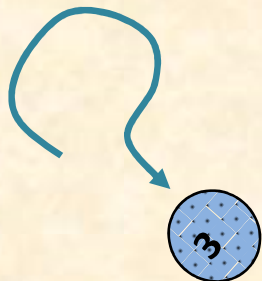
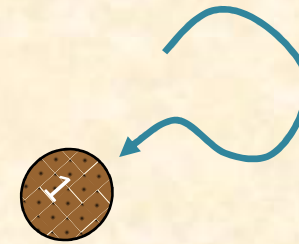
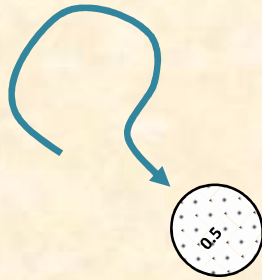
## Text Messaging



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson







Any questions?



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson



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Contact Details:

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**harry.crank@cht.nhs.uk**



Chairman: Andrew Haigh  
Chief Executive: Owen Wilson

