

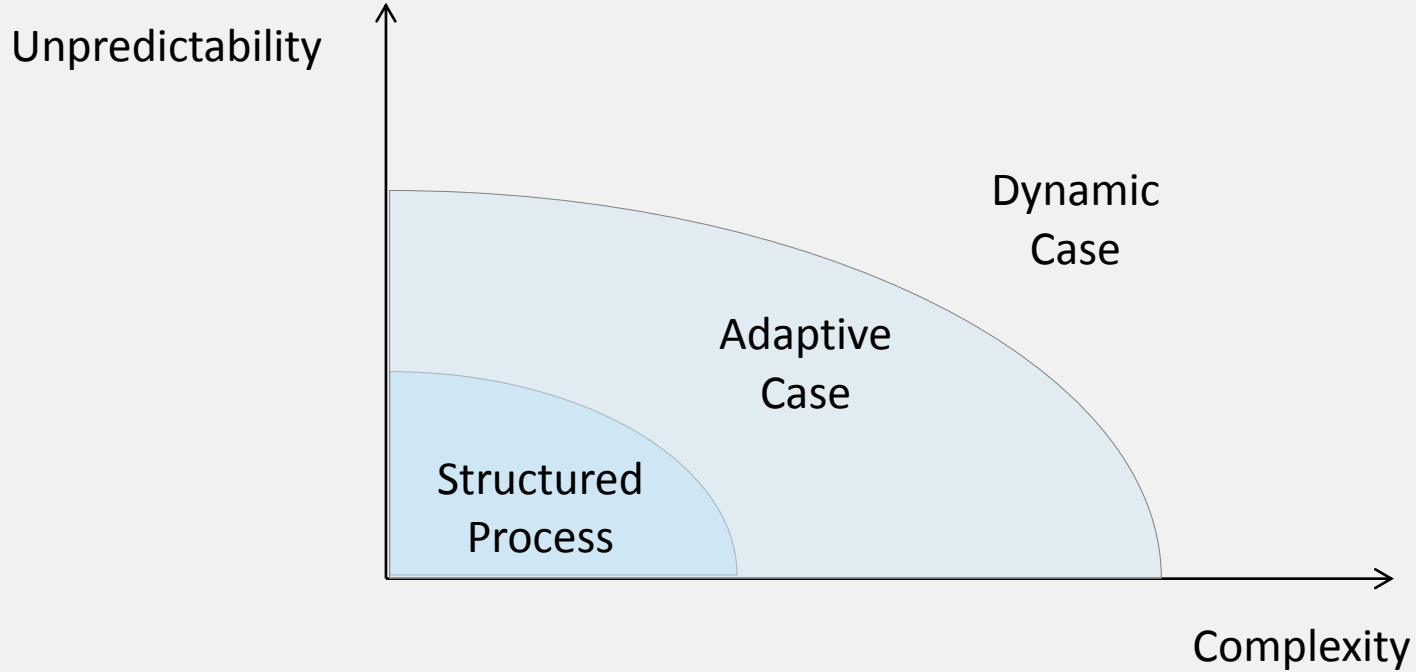
Supporting Unstructured Work

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Adaptive Cases





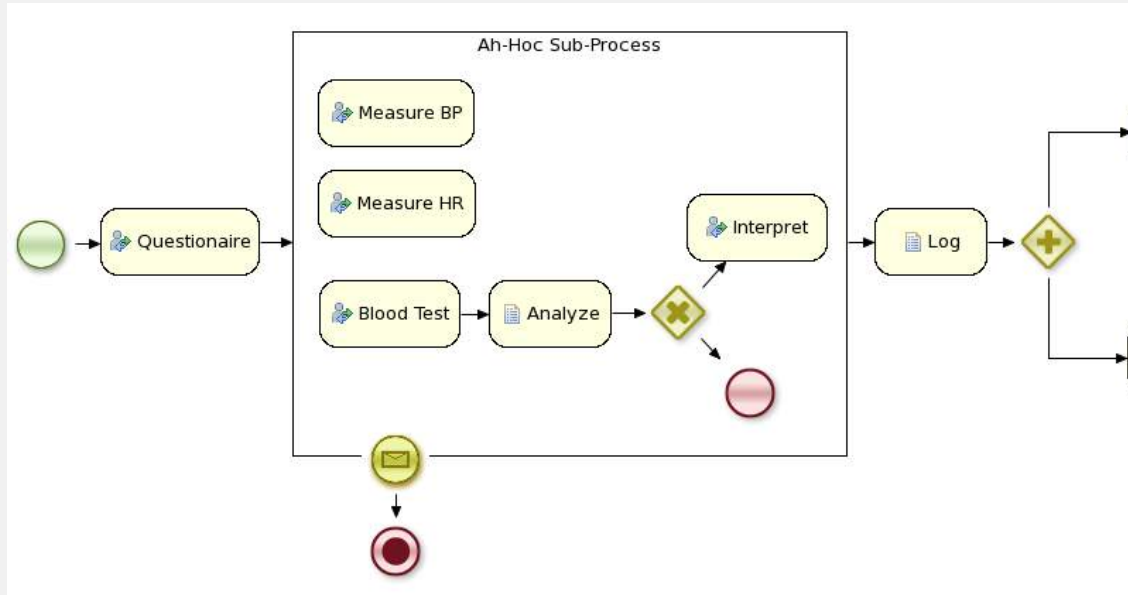
Unstructured

≠

Dynamic

Using existing standards

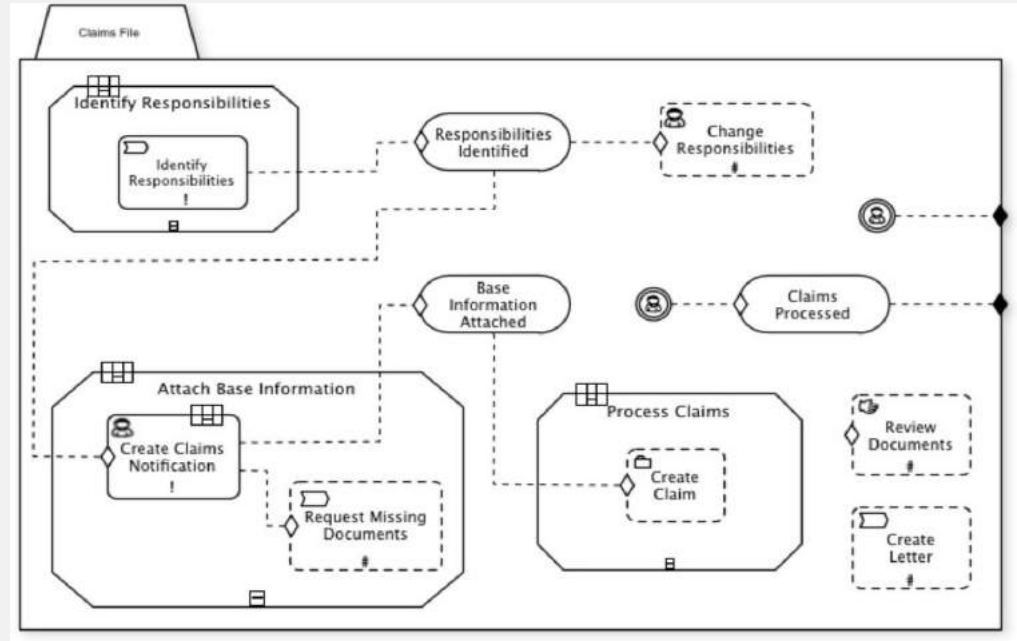
Business Process Model and Notation (BPMN) 2.0



+ Rules

Using existing standards

Case Management Model and Notation (CMMN)





Unstructured work

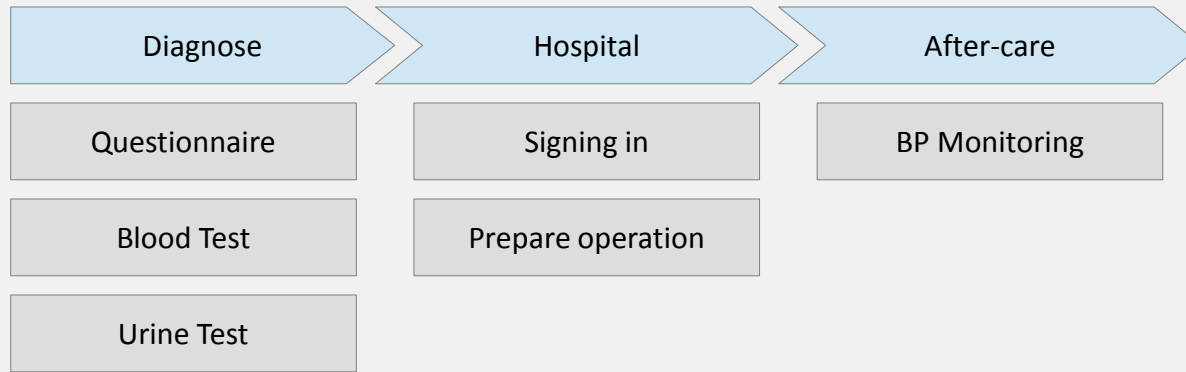
=

(even) more difficult to keep
the overview

Intuitive Equivalent?



Stage-oriented visualization



+ Annotations

New Drug Clinical Trials

Downward Trend: Only 16 out of every 100 drugs that enter Phase 1 will make it to FDA approval.

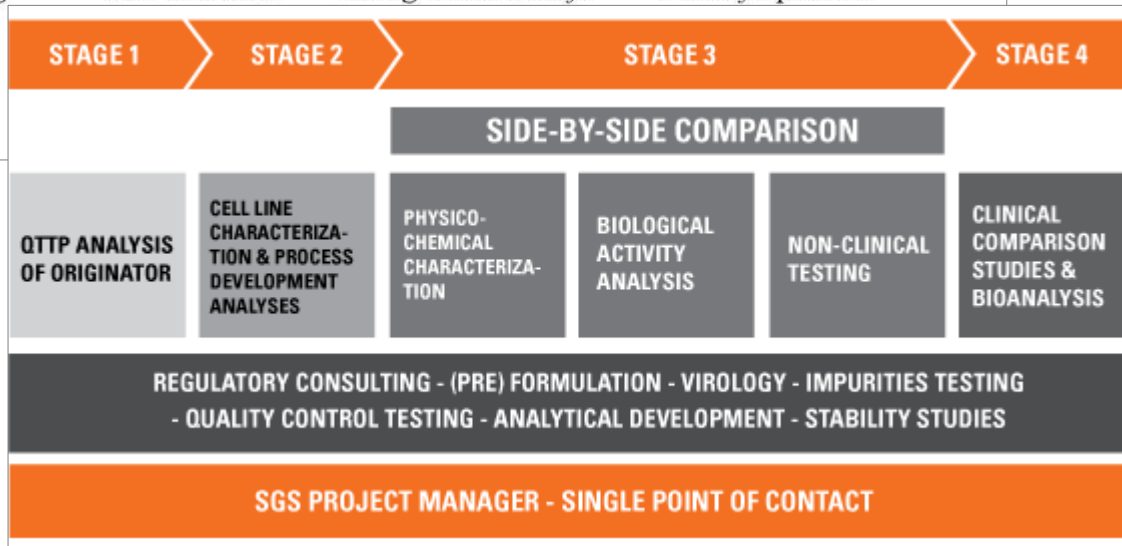
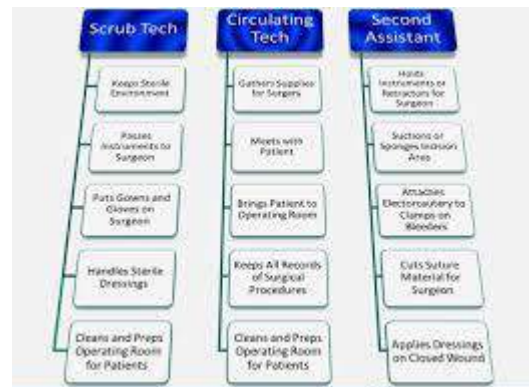


20-100 volunteers
1st state of testing
in humans

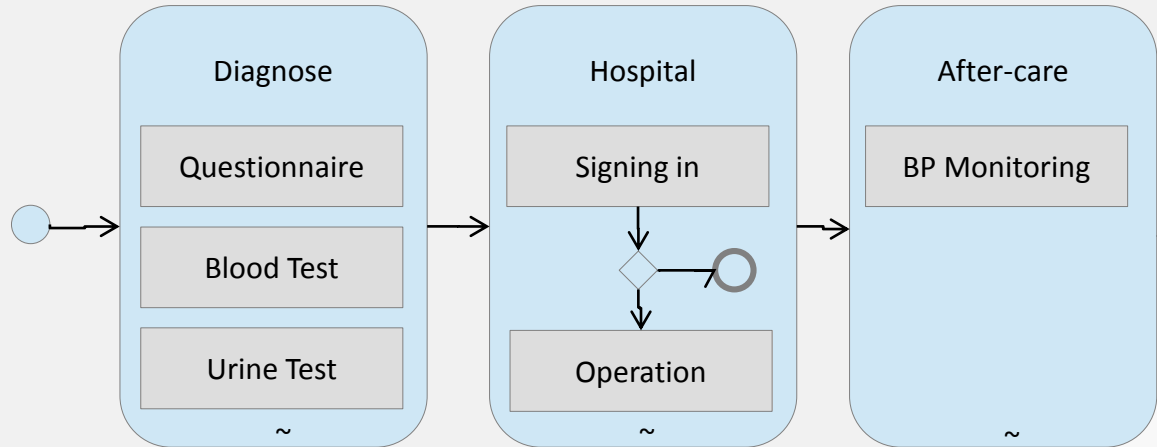
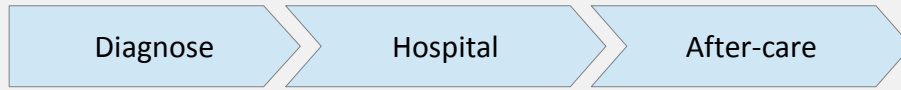
100 - 500 patients
How well does

1,000 – 5,000 patients
- Drug **MUST** be safe

Safety surveillance in
'Real-life' patients



Layer





Less is more

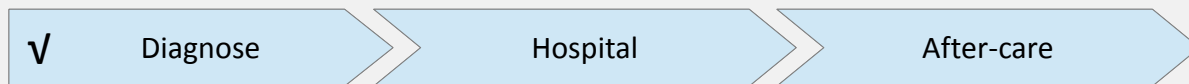
Focus on most important rather than complete

Layer

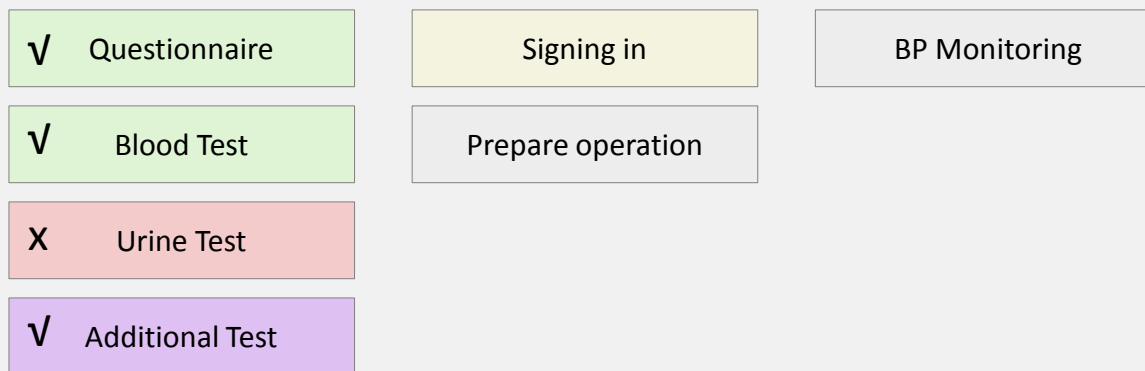
- Advantages
 - Different target audience
 - Business Analyst + End User ↔ Developer
 - Always synchronized
 - Could work across multiple standards
 - BPMN2 vs CMMN

Stage-oriented runtime visualization

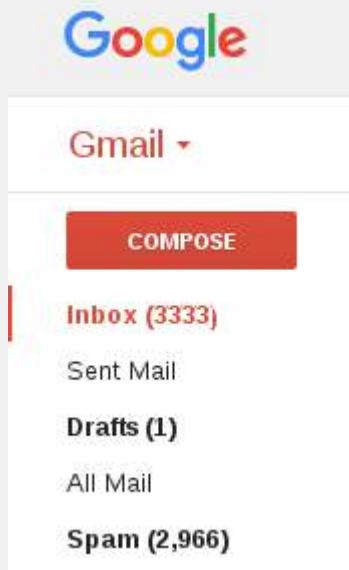
- Stages



- Activities



Unstructured work across cases



Google

Gmail ▾

COMPOSE

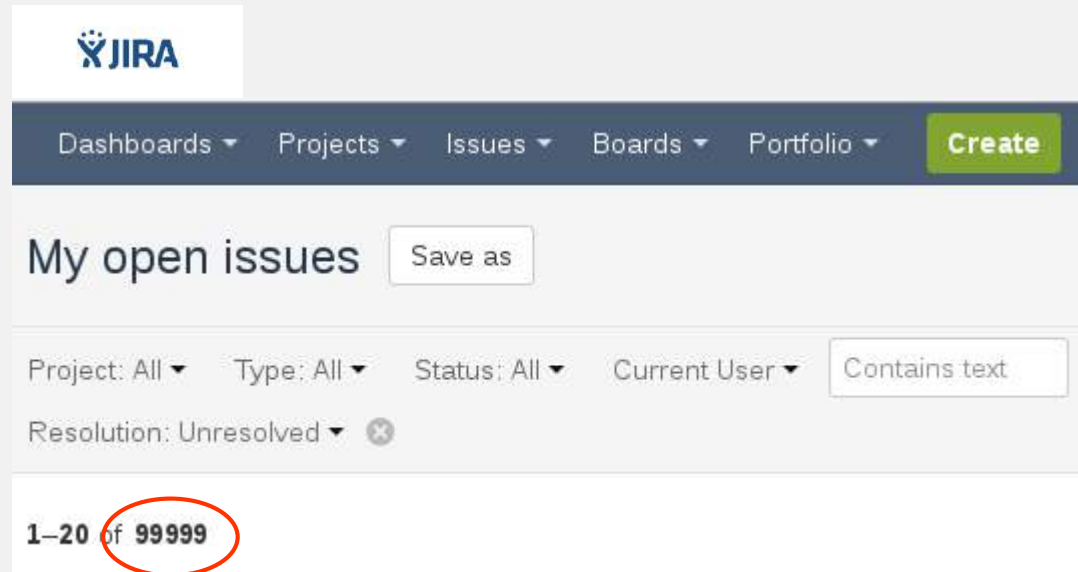
Inbox (3333)

Sent Mail

Drafts (1)

All Mail

Spam (2,966)



JIRA

Dashboards ▾ Projects ▾ Issues ▾ Boards ▾ Portfolio ▾ Create

My open issues Save as

Project: All ▾ Type: All ▾ Status: All ▾ Current User ▾ Contains text

Resolution: Unresolved ▾ ✕

1-20 of 99999

Scheduling

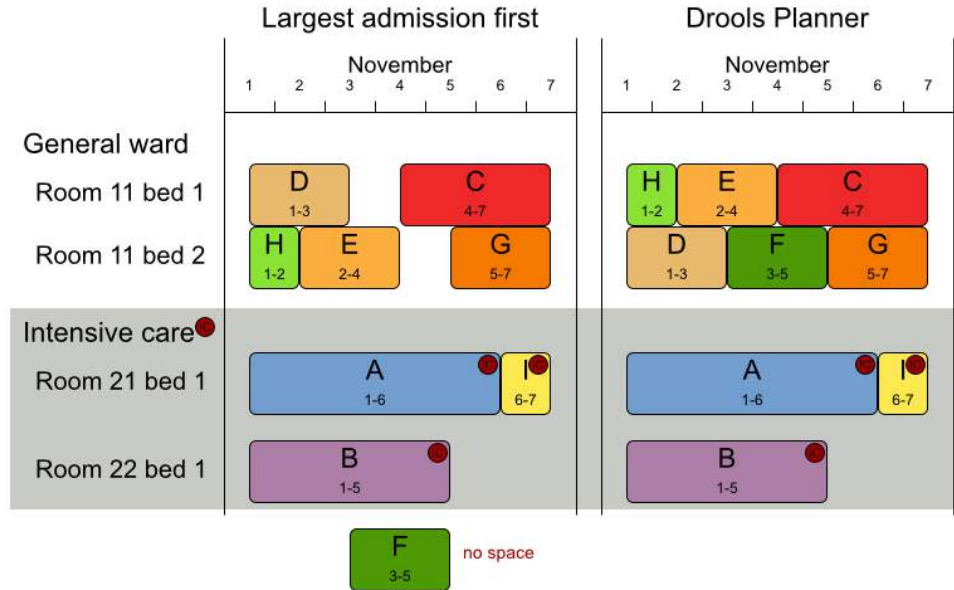
Optimizing the assignment of various types of resources

- users
- consumable resources
- non-consumable resources
- e.g. offices, instruments

based on constraints.

Patient admission schedule

Assign each patient a hospital bed.



Task assignment

- Based on various properties
 - Round-robin
 - Load
 - Priority
 - Skill
 - Geography
 - Affinity
 - ...

Task assignment

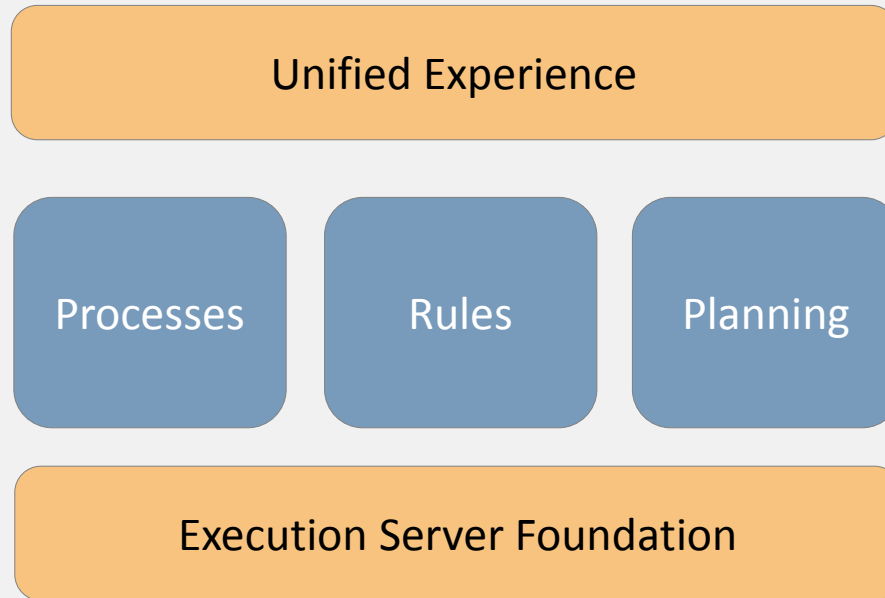
- Based on various properties
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 - ...

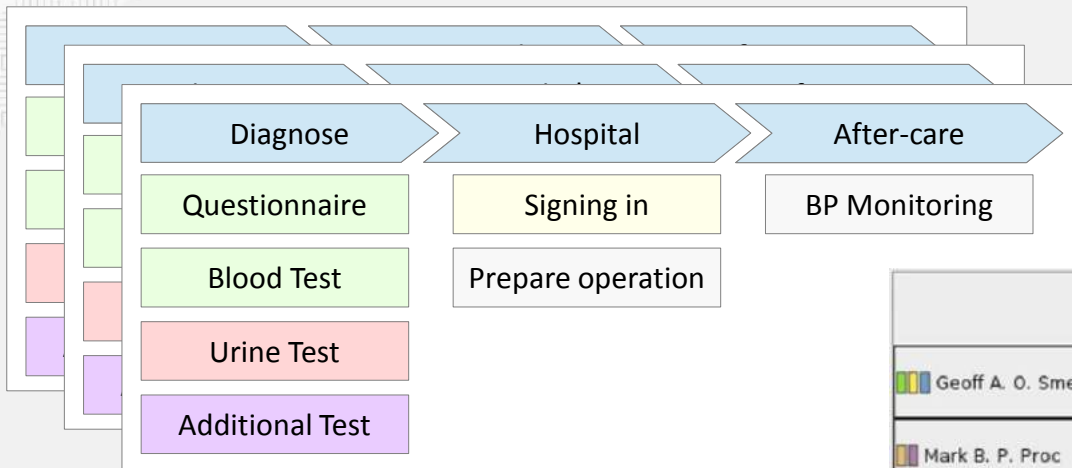
Unstructured



Continuous
Optimization

Intelligent Process Execution Server





	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00
Geoff A. O. Smet		ETD-5 ↑ █ █ █	ETD-3 ↓ █ █ █	ETD-2 ↓ █ █ █				
Mark B. P. Proc		ALM-5 ↑ █ █ █	ALM-4 ↑ █ █ █		ALM-3 ↓ █ █ █			
Edson C. Q. Fusco		ISS-8 ↑ █ █ █	ISS-7 ↑ █ █ █	ISS-3 ↓ █ █ █	ISS-6 ↓ █ █ █	SVA-1 ↓ █ █ █		
Ondrej D. R. Skop								
Lukas E. S. Davis		ISS-1 ↑ █ █ █	SVA-3 ↑ █ █ █	SVA-2 ↑ █ █ █		ISS-2 ↓ █ █ █		
Vicky F. T. Smith		ETD-6 ↑ █ █ █	ETD-1 ↓ █ █ █	ETD-4 ↑ █ █ █	ETD-7 ↓ █ █ █			
Shelly G. U. Gowan		ALM-1 ↑ █ █ █	ALM-6 ↓ █ █ █		ALM-2 ↓ █ █ █			
Peter H. V. Siro		ISS-5 ↑ █ █ █	ISS-4 ↑ █ █ █					

Demo