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HSE Digital Transformation

eHealth Ireland

Digital Academy Summer Forum

Presentation on the COVID Response in St James's Hospital

Presented by;

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About St James's Hospital

940
Bed Hospital

32
Inpatient Wards

25,000
Inpatient Episodes Annually

50,000
Day cases

290,000
Outpatient Episodes

49,000
Attendances to the ED

4000
Staff

€400m
Turnover

Patient 1
Improve patient outcomes and experiences – **SP1**

Clinicans 2
Improve the daily activities of clinicians and all staff working in and with SJH – **SP4**

Hospital Management 3
Ensure Management have the data needed to drive the insights that will create efficiencies and lower costs - **SP3**

Strong Digital Foundations 4
Ensure foundations are in place for a connected digital environment across the campus and with the community - **SP2**

What are our Strategic Objectives ?

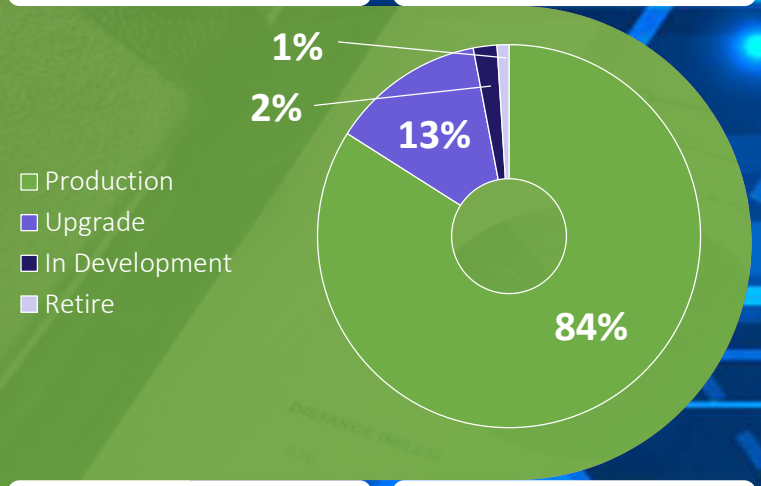
- Strengthen our foundations
- enable more accurate accessible digital data
- Providing our skilled clinical teams with the data needed to make evidence based decisions and improve patient outcomes and experiences of care in St James's Hospital.
- Safer Better Care…..

St James's Digital Overview

Application Portfolio

188	126	2	23	4	38
Total Applications	Strategic/High Potential Apps	Retiring	Upgrade Planned	In-development	Identified Gaps

SJH Application Portfolio



Priority Program Strategic

PAS	Analytics	Med Mgmt	Integration	EPR
High Risk Replacement	Centre of Excellence	Legacy Replacement	Centre Of Excellence	Infrastructure Stabilisation

COVID SJH Timeline

February
Containment Phase
Hospital Response Team was established

Analyse Data from WHO to predict Impact and put required testing in place

Informatics Response Team was established

Priorities identified and active plan devised

Active Management Phase
March 3rd
First SJH Patient Admitted with positive COVID test

Active Contact Tracing – Using EPR Data

11th of March

WHO Announced Global Pandemic

Full action plan activated

ST. JAMES'S HOSPITAL

Pandemic Response Activities

Infrastructure and IT Equipment

Application Support and rollout

Occupational Health Management System, Contact Tracing Function, Existing system modifications ICIP, EPR, PAS,, LIS, ED

Data Driven Response

Building Power BI Dashboards

Virtual Health Delivery

Initial Response, Ongoing planning and enablement

ST. JAMES'S HOSPITAL

Priority Activities

Patient Experience

Patient Expectations

Patient Centred Activity

Protecting our patients – Virtual Visiting, Remote Outpatient consultations

ICU Surge Capacity Preparation

Expanded ICU bed capacity by 100%

Providing Insights – Data Driven Response

Supporting our staff

Remote working, remote monitoring

Occupational Health & Contact Tracing

Health and Wellbeing App

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Virtual Visiting Service

Drivers for Change

Device selection and readiness

Donated devices and IMS provided devices

Service establishment

Support from the nursing staff, end of life care team and chaplaincy service

Activity and Volumes of facilitated Visits

Over 200 calls logged through the central service and 000's conducted through local ward staff

Feedback from Patients, families and staff

Virtual visiting email has received very positive feedback from families who have found the service invaluable

Virtual Consultations

Telephone and Video Consultations established and Tool Selected for video consultations
– Blue Eye from RedZinc

Governance Committee Established

– Virtual Care Ambition

SOP Agreed

Users set up and trained

Virtual Health service commenced and first video consultation took place on March 15th

EPR modified to build virtual consultation clinical record for outpatients

30,890 Virtual Consultation Conducted between March 5th and June 30th

ST. JAMES'S HOSPITAL

COVID-19

What

Why

Who

Benefits

Drivers for Change

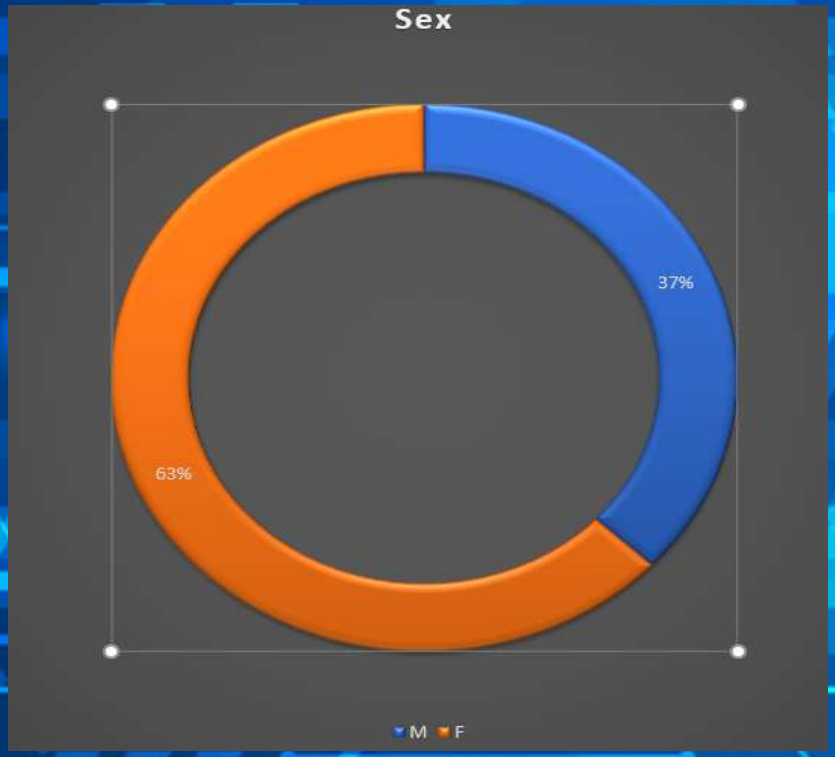
Remote Home Monitoring Service

Went Live on March 19th

ST. JAMES'S HOSPITAL

Remote Home Monitoring Service

- Male 26 Female 45



- Readmission rate : 4.2% (3/71)
- Deaths: 0

- Average days in hospital: 1.9
- Average number of phone calls for CoViD pathway: 1.1
- Staff on pathway: 55/71 (76.4%)

Data Driven Insights

Patient Experience

Patient Expectations

Creating COVID dashboard

–

Creating Contact Tracing Service from our existing data

Providing Insights into capacity needs – Oxygen Usage

COVID Occupation Health Staff and resource management

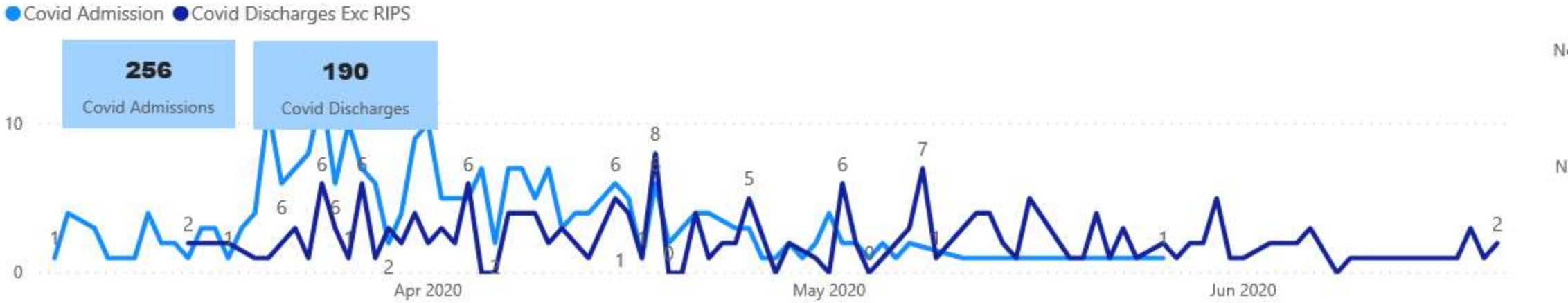
sions & Discharges (Exc RIPs)

ovid Admissions

68

Median Age

ovid Admissions



Covid RIPs

81

Median Age

Covid RIPs

Patients per Day by Day

Select Date

03/03/2020 22/06/2020

EPR Handover Whiteboard

- Developed with Cerner support and in collaboration with HSE and Beaumont to capture and display COVID critical patient vitals and apply an agreed algorithm to determine patients risk and present it to the medical teams for easy handover and effective management of COVID patients
- Provide this data set back to the HSE for critical analysis and research on the disease

Cerner

HSE RCSI ROYAL COLLEGE OF PHYSICIANS OF IRELAND S3 Connected Health

SJH ST. JAMES'S HOSPITAL

Supporting Our Staff

myStaffSpace

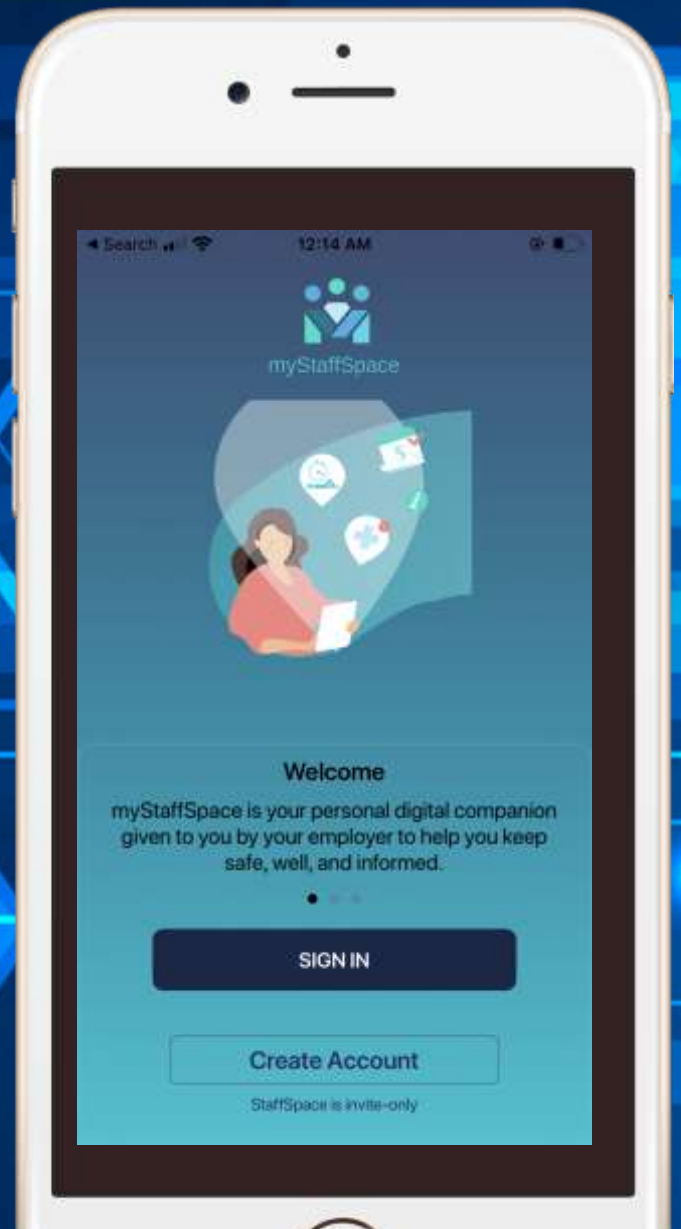
Health and safety of workers is critical during COVID-19.

Bringing the power of myPatientSpace to the workforce.

SAFETY

COVID-19 MONITORING

WELLBEING SUPPORT



Ongoing COVID Response

- Support the transformation of Outpatient services
- Focus on effective communications with patients
- Continue to provide the data required to support Monitoring the virus and infection levels
- Support Social distancing, remote working, virtual health delivery

Questions?