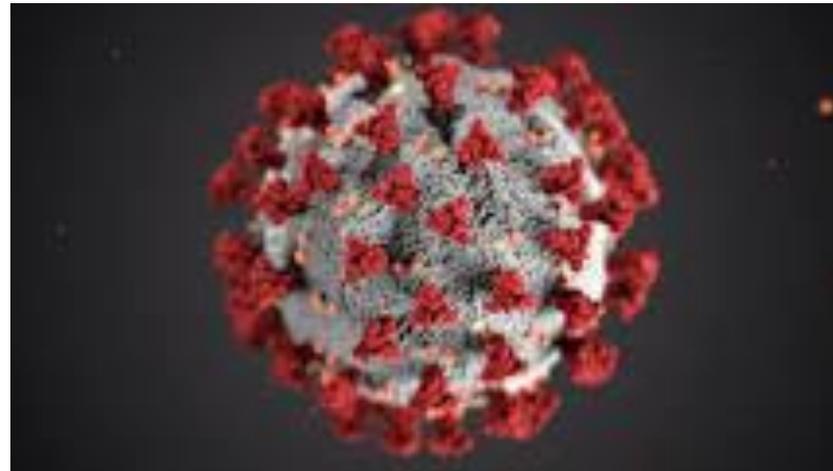


Diagnostic Hub - Scrutiny Board 7th September 2020

Sean Russell - Head of Wellbeing

Context

- ▶ Covid 19 has created an inertia in the arena of treatment and diagnosis with a strong focus on acute and intensive care
- ▶ The system has seen: -
 - ▶ 60% reduction in referrals
 - ▶ 20% drop in patients starting treatment



Investment ask of £12.95M over three years

- ▶ Wave 1 - Grand Central Station - £6.95m
- ▶ Wave 2 Further pilot sites £6m
- ▶ Part of a wider package £10m Radical Health Prevention Fund

Strategic Case

- ▶ Healthier, happier, better connected and more prosperous West Midlands
- ▶ We often forget the health impact when looking at the economy
 - ▶ Nationally, illness amongst workers costs the economy £100 billion a year
 - ▶ 330,000 people become unemployed because of health related issues
 - ▶ Every unemployed person into work has a saving to society £12,035 in the first year
 - ▶ Nationally, 137.3million working days are lost through poor health.
 - ▶ Mental health alone is about 46 million - In our region this is 4.3 million days per year
- ▶ Carbon Footprint - health and care is responsible for 4-5% of country's carbon footprint
- ▶ Air pollution linked to 36,000 deaths annually from heart disease, stroke and lung cancer

Why the West Midlands

- ▶ Beating Heart of UK but suffers from below all England's average health outcomes
- ▶ Wellbeing Board developing the Health of the Region Report - RHIC to drive cross system priorities for narrowing the gap in health inequalities
- ▶ Broader link to innovation: -
 - ▶ Birmingham Health Life Science Park
 - ▶ Resilience in Supply Chains for Medical technology Manufacture (ReSCue)
 - ▶ Biggest tech sector outside London 80,000 people employed in 13,500 businesses contributing £5.4bn to the local economy
 - ▶ Awarded pathfinder 5G status

Strategy with the NHS

- ▶ Diagnostic Hubs
 - ▶ Distributed off site model diagnostic and small procedure centre
- ▶ Digitally enabled services
 - ▶ Digital transformed health care using AI triage and signposting
- ▶ Building a skilled workforce from local communities
- ▶ Development of a single health care model
 - ▶ Using skills of staff to a one team approach in primary and secondary care could free up over 500,000 appointments a year across BSOL alone.
- ▶ Pioneering process and delivery - screening / AI using 5g for speed and clarity of image
- ▶ Catalyst for newly commissioned population level diagnosis

Why the high street

- ▶ High volume footfall venues will still be relevant post covid
- ▶ Numbers of passengers / shoppers reduced due to covid, but expected to return in the future
- ▶ Transport infrastructure will remain in place providing access
- ▶ Future of healthcare is distributive and revitalising the high street with health care is a positive opportunity.
- ▶ Opportunity to take this approach out to the community in places they will access routinely
 - ▶ One big programme - Grand Central
 - ▶ Two smaller programmes - test and learn approach in Black Country / Coventry linked to need and footfall

Delivery Partners

- ▶ UHB
- ▶ BSOL STP
- ▶ UOB
- ▶ WMAHSN
- ▶ Black Country STP
- ▶ Coventry and Warwickshire STP
- ▶ TFWM / WMCA
- ▶ Grand Central Hub



Costs and equipment

- ▶ Revenue - £8.75m
- ▶ Capital - £4.2m
- ▶ Equipment
 - ▶ Ophthalmology screening
 - ▶ ECG
 - ▶ Echo cardiographs 24hr cardiac monitoring
 - ▶ MRI scanner
 - ▶ CT Scanner
 - ▶ Plain Film X-ray
 - ▶ Mammography Kit



