Enhanced Contact Tracing

Developing the High-Level E2E Operating Model

- **Background: a variety of local arrangements exists that allow HPTs/LAs to detect and respond to COVID-19 clusters/outbreaks**
- **Aim: Optimise existing cluster detection and response process by utilising the full range of timely & specific data to support risk based interventions locally and reduce chains of transmission.**

Initial steps

1. **Co-design a high-level E2E cluster detection/response operating model**
   - *Workshop held 20 November to build out the high-level operating model.*
2. **Beacon sites to operationalise the E2E model - work with local partners to implement a systematic approach/local processes to undertake COVID-19 cluster detection and response (utilising available intelligence)**
3. **Raise awareness and share lessons/best practice widely**

Process view of the ECT Cluster Outbreak Operating Model

Developed from a workshop held on 20 November

Test and Trace

Ongoing feedback to iterate and improve ECT algorithm, alert thresholds, and engagement with report

	Data Identification & Acquisition	Analysis & Detection	Alerting	Triage	Investigation	Action
Central	CTAS data capture JBC/Trace data identification and acquisition NHS Covid-19 App data capture*	JBC/Trace recurring analysis of contact & other data to identify clusters JBC/Trace bespoke data analysis to generate new insights into highest risk settings & groups NHS App analytics*	Common exposure and postcode coincidence reporting to HPTs and LAs Insight reporting Regular updates to case control study			'Warn and inform' alerting via NHS Covid-19 app
Interface	HPT Partnership management LA Partnership management					
Local	Local data intelligence			Investigation prioritisation Capacity management	Investigate and respond to suspected outbreaks notified locally Investigate alerts from common exposure and postcode coincidence reports	Convene outbreak control teams Provide advice to business/location and users Instruct targeted venue testing Deliver targeted venue testing HPT and LA App notifications

Enhanced Contact Tracing – Case Study (Food Manufacturing Plant)

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