City Integrated Commissioning Board	**Hackney Integrated Commissioning Board**
Meeting in-common of the City and Hackney Clinical Commissioning Group and the City of London Corporation	Meeting in-common of the City and Hackney Clinical Commissioning Group and the London Borough of Hackney

City & Hackney Local Outbreak Board

Joint Meeting in public of the two Integrated Commissioning Boards and the Community Services Development Board on
Thursday 9 July 2020, 09:30-10:00
Microsoft Teams

Join Microsoft Teams Meeting

Chair – Cllr Christopher Kennedy

Item no.	Item	Lead and purpose	Documentation type	Page No.	Time
1.	**Welcome, introductions and apologies**	Chair	Verbal	-	
2.	**Declarations of Interests**	Chair *For noting*	Paper		
3.	**Questions from the Public**	Chair	None	-	09:30
4.	**Papers for discussion** • Data Integration	Chair *For noting*	Papers (others to follow)		

Date of next meeting:

13 August, Format TBC

Title of report:	*Update on the COVID-19 data integration work*
Date of meeting:	8 July 2020
Lead Officer:	**Diana Divajeva (Principal Public Health Analyst)**
Authors:	**Diana Divajeva, Remi Omotoye**
Committee(s):	Local Outbreak Control Board
Public / Non-public	Public

Executive Summary:

Data integration is an essential part of the City and Hackney Outbreak Control Plan and one of the workstreams of the Good Practice Network programme. It underpins local action and enables more effective decision making.

Currently, COVID-19 data are available from a number of sources, in a number of formats, and at a different level of detail. The data flow mainly through email updates and some of the indicators are available from national dashboards. The process of compiling, processing the data, and presenting them in local reports is currently very labour intensive and can result in information not being updated in a timely manner. This prompts the need for streamlining the process of data sharing and combining all data sources into one database.

This paper outlines the rationale and approach to the production of a local COVID-19 dashboard, and highlights how it can aid the local response to COVID-19 prevention and outbreak management.

Recommendations:

The **City Integrated Commissioning Board** is asked:
 ● To **NOTE** the report

The **Hackney Integrated Commissioning Board** is asked:
 ● To **NOTE** the report

Strategic Objectives this paper supports [Please check box including brief statement]:

Deliver a shift in resource and focus to prevention to improve the long term health and wellbeing of local people and address health inequalities	☒	The dashboard will combine information from across the system and where possible will include analyses by socio-demographic characteristics as well as geospatial analyses. This can help in focusing the resources on the

		areas with most need as well as in prioritising actions.
Deliver proactive community based care closer to home and outside of institutional settings where appropriate	⊠	Emerging trends from the analyses can be used to provide proactive support to the residents in the community.
Ensure we maintain financial balance as a system and achieve our financial plans	⊠	Predictive indicators could be used to plan services and allocate resources; this when done in a timely manner can remove the need for outsourcing and can potentially provide savings to the authorities.
Deliver integrated care which meets the physical, mental health and social needs of our diverse communities	⊠	The dashboard will combine information from across the system, aiding the delivery of integrated services.
Empower patients and residents	⊠	Public facing dashboard is aimed at behaviour change through presenting residents with the summary epidemiological profile of City and Hackney. Residents will be able to see the key current COVID-19 statistics and how that changed over time. Interpretation of the information in the dashboard will be provided in jargon-free and easy to understand language.

Specific implications for City

Internal-facing dashboard will provide immediate access to information for City & Hackney Public Health, City practitioners and policy makers, to help prevent outbreaks and identify clusters. Socio-demographic and geospatial analyses can aid with prioritising actions and inform local plans. Public-facing dashboard will inform residents about the current infection levels, providing reassurance and potentially aiding in compliance with epidemic containment measures.

Specific implications for Hackney

Internal-facing dashboard will provide immediate access to information for City & Hackney Public Health, Hackney practitioners and policy makers, to help prevent outbreaks and identify clusters. Socio-demographic and geospatial analyses can aid with prioritising actions and inform local plans. Public-facing dashboard will inform residents about the current infection levels, providing reassurance and potentially aiding in compliance with epidemic containment measures.

Patient and Public Involvement and Impact:

Patients and the public have not been involved in designing and procuring the dashboard. Public-facing dashboard will inform residents about the current infection levels, providing reassurance and potentially aiding in compliance with epidemic containment measures. Dashboard can also be used to signpost to City and Hackney COVID-19 services.

Clinical/practitioner input and engagement:

Practitioners from across the system, as well as colleagues from other Local Authorities, have been involved in actively shaping the national and the regional databases as well as in advising on efficient data flows. City and Hackney Public Health Intelligence Team (PHIT) participate in several working groups including City and Hackney System Intelligence Group (SIG) and the North East London (NEL) Analytics Forum. This engagement informs the information that will be presented in the proposed dashboard.

Communications and engagement:

For practitioners and local decision makers, the work will be disseminated through the existing communication channels such as the local Health Protection Board, SIG and NEL Forum. For the public, the communication channels are to be determined.

Comms Sign-off
We have not yet engaged with the Communication Officers regarding this work - this will be done in due course.

Equalities implications and impact on priority groups:

Local death records show that COVID-19 pandemic has disportionately affected migrant communities and people from a lower socio-economic background. When the socio-demographic data for such indicators like testing, cases, and contacts become available, we will use this information to target any groups that stand out as not accessing the testing services or are over-represented among the positive cases. We will also target geographic areas with high infection rates, if applicable. The aim of these actions is to further reduce the mortality rates from COVID-19.

Safeguarding implications:

N/A

Impact on / Overlap with Existing Services:

We will aim to reduce the duplication of effort by using the existing data sources where applicable. To achieve this we will work with the Joint Biosecurity Centre, the PHE and the NEL Analytics Forum. We will engage with colleagues from across the system to ensure effective dissemination of information and exchange of knowledge.

Background and Current Position

Context
City and Hackney are part of the London Good Practice Network, one of the eleven groups of local authorities selected across the country to share good practices, flag any issues boroughs face in the development of their Local Outbreak Control Plans and collect matters which need escalation to a national level. City and Hackney was assigned to participate in the national data integration workstream, which has been combined with plans for delivery of a required local dashboard to support the local system. The importance of the dashboard has been acknowledged and supported at meetings of the Contact Tracing Working Group, the Testing Working Group, and the COVID-19 Health Protection Board.

Currently, COVID-19 data are available from a number of sources, in a number of formats, and at a different level of detail. The data flow mainly through email updates and some of the indicators are available from national dashboards. The process of compiling, processing the data, and presenting them in local reports is currently very labour intensive and can result in information not being updated in a timely manner. This prompts the need for streamlining the process of data sharing and combining all data sources into one database.

This report is to provide the board with reasons on why a dashboard is required, and the processes that are being undertaken to deliver it, including the benefits and opportunity costs.

Course of action
- Putting together the list of indicators to be included in the dashboard.
- Mapping data flows for relevant indicators, including any associated data storage processes and GDPR requirements.
- Putting together Data Sharing Agreements, where appropriate.
- Procuring the data.
- Integrating data into a single platform.
- Sharing live updates with stakeholders and the public.

Financial Implications
- Purchase of a visualisation tool - Tableau - to visually present patterns and informations for action, in an accessible way to audiences
- Package is expected to cost around £17,000.

Benefits

A Public Health owned and operated dashboard is:
- Fully customisable
- Full ownership and editorial rights
- Can be used for other projects, including the JSNA
- Can be used to clean and analyse large datasets
- Can be used to automate time consuming data processing tasks
- The latter three factors leading to significant efficiency gains, making the tool a good investment

Assessment of Risks
- Might require some time to train, but a basic dashboard can be created within hours, days
- Will require ongoing licence payments, to maintain the dashboard beyond the pandemic period

Proposals

Timely, comprehensive, and reliable information on the spread and the impact of COVID-19 on our communities can help to support effective local action. City and Hackney PHIT aim to build on the existing work in tracking the outcomes of the pandemic by creating a comprehensive database and visualisations, using indicators which reflect both direct and indirect impacts of the pandemic. The Principal Public Health Analyst will be responsible for strategic oversight and operational delivery of the data integration work and the Senior Public Health Analyst will be responsible for timely data collection and reporting.

Aim of the dashboard

The PHIT data integration work is aimed at:
- Preventing outbreaks and clusters
- Minimising risk of second wave of infections
- Informing local plans and decisions
- Coordinating system response to COVID-19
- Providing support for vulnerable population groups

The Board is asked to consider and note the proposal and agree to it as a basis for developing a local dashboard for City and Hackney.

Conclusion

Creating the integrated data repository and practitioner as well as public-facing dashboard will achieve several goals including but not limited to timely dissemination of information to

aid decision making; ability to foresee the rise in COVID-19 cases; comprehensive overview of direct and indirect outcomes of the pandemic; health promotion.

Supporting Papers and Evidence:

City and Hackney data integration work forms a part of the Local Outbreak Control Plan. Data integration is one of the workstreams of the NHS Test and Trace Good Practice Network programme.

Sign-off:

[Papers for approval by the ICBs must be signed off by the appropriate senior officers. Any paper with financial implications must be signed by the members of the Finance Economy Group.
If there are any legal implications which require consultation with legal counsel, please make reference to that below.
Please ensure you have appropriate sign off for your report, along with the papers. Papers which have not been signed-off by the appropriate officers will not be considered]

Workstream SRO: Dr Sandra Husbands, Director of Public Health

London Borough of Hackney: [*insert name and title*]

City of London Corporation: [*insert name and title*]

City & Hackney CCG: [*insert name and title*]