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DERBYSHIRE COUNTY COUNCIL

MEETING WITH CABINET MEMBER, HEALTH AND COMMUNITIES

5 November 2020

Report of the Director of Public Health

IMPLEMENTATION OF MICROSOFT DYNAMICS IN THE AREA OF COVID-19 RELATED TEST AND TRACE INCLUDING OUTBREAK MANAGEMENT

1. Purpose of the report

To seek Cabinet Member approval to allocate funding up to a total value of £89,064.40 for the implementation of Microsoft Dynamics software package to support the delivery of Test and Trace activities in response to COVID-19.

2. Information and analysis

Public health are leading the work taking place in Derbyshire to prepare for potential outbreaks of coronavirus in the county and helping to contain any outbreaks as part of the national test and trace programme. The COVID-19 Outbreak Management Plan sets out our approach which involves working with partners to protect local residents by preventing, managing and eliminating the virus over time.

Managing the coronavirus involves working with partner organisations at every level from the government and the NHS through to the local district and borough councils, and the people who live and work in Derbyshire. This work includes monitoring data sent to us on a weekly basis from Public Health England about the number of new cases in Derbyshire.

Calls are being made to local residents to build a local picture to help with the containment of the virus. By following up on the work of the national NHS Test and Trace programme our team can build up a detailed local picture of what is happening across the county.

Residents who are contacted are asked more in-depth questions about their movements and who they've been in contact with and it's important to gain the correct information to protect our population. A software system is required to capture this data, identify hotspot areas and help manage the workload. This system will provide a much more efficient way of collating local information and will help the public health team, together with district and borough councils, build

up a comprehensive picture of where transmissions are happening across Derbyshire.

It also means we can make important links between cases allowing us to respond more quickly to local outbreaks and put effective measures in place – possibly avoiding the need for a local lockdown.

Benefits this solution can provide include:

- Management of complex cases and settings including 360^0 view;
- Manage the local action plan response;
- Capture symptom, test and movement data;
- Capture and process support requests from citizens in isolation;
- Automate tasks and activities;
- COVID-19 Data Analytics and Data Management;
- Reduce risk and time to value using proven technology used to support local and national response to COVID-19 and from a proven partner;
- Easily adapt to evolving requirements;
- Simplify data management challenges;
- Gain insights and predict trends in the local area.

In association with several local authorities, Microsoft designed and built a proof of concept (POC) solution to manage outbreak action plans and Test and Trace activities in response to COVID-19. Hitachi Solutions who specialise in working with UK Local Authorities to leverage Microsoft Cloud technologies and are already supporting over 18 authorities with their COVID-19 response have re-built the POC into a robust, production-ready solution, for Local Authorities. DCC intend to engage with this provider to provide this software.

A business case has been approved for this purpose and this paper seeks approval for the spend outlined below for the provision of Microsoft Dynamics 365 software to help manage the COVID 19 test and trace process.

3. Social Value considerations

The solution will support the objectives of the COVID-19 Outbreak Management Plan which sets out the approach to protecting local residents by preventing, managing and eliminating the virus over time as part of the national Test and Trace programme. It also details how we will support local workplaces to help them stay COVID-19 free and respond to any positive cases as quickly as possible.

These objectives include:

- Preventing the spread of COVID-19
- Contain and suppress outbreaks of COVID-19
- Early identification and proactive management of outbreaks and incidents

- Ensure service capability
- Ensure effective communication with the public and stakeholders

4.   Financial Considerations

Depending on the number of licenses required the costs for the implementation of this software will be:

Total Costs	Cost 20 licences	Cost 30 licences
Core Implementation	£28,600.00	£28,600.00
Pack of 10 Call-Off Units for additional support during implementation	£8,000.00	£8,000.00
Licensing Charges (Dynamics)	£15,129	£22,693.50
Additional Licensing	£21,472	£28,258
TOTAL	**£73,201**	**£89,064.40**

This costs for the implementation of this software can be met from the public health budget.

5.   Other considerations

In preparing this report the relevance of the following factors have been considered: legal, prevention of crime and disorder, equality of opportunity, human resources, environmental, health, property and transport considerations.

6.   Background papers

Procurement Business Case Protocols 2a, 8, 9 and 10 (Over £50,000) Implementation of Microsoft Dynamics in the area of COVID-19 related Test and Trace including outbreak management. Approved by; Corporate Procurement, Director of Legal Services, Director of Finance & ICT and the Strategic Director on 21/10/2020.

7.   Key Decision
No

8.   Call-in
Is it required that call-in be waived for any decision on this report?
No

9.   Officer's Recommendation

That Cabinet Members approve the allocation of funding up to a total value of £89,064.40 for the implementation of Microsoft Dynamics software package to support the delivery of Test and Trace activities in response to COVID-19.

Dean Wallace
Director of Public Health