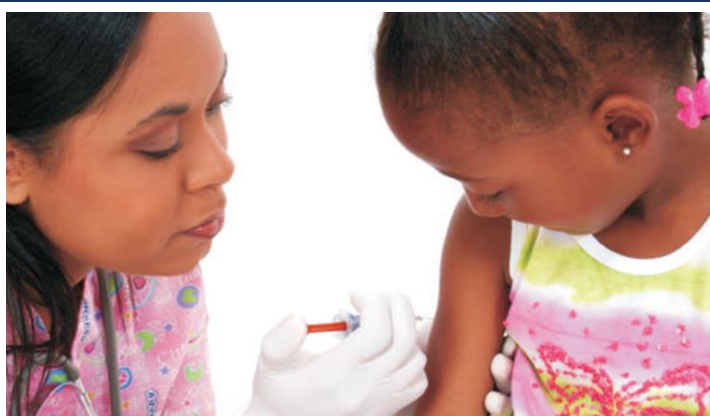


Childhood Vaccination and Immunisation Pilot



South Warwickshire NHS Foundation Trust is responsible for the commissioning and implementation of the Child Information Service.

In December 2015, South Warwickshire NHS Foundation Trust commissioned Health Intelligence to take part in a pilot to improve their data flows for childhood vaccinations.

The Approach

Health Intelligence was to assist with automating the flow of data from GP Practice to Child Health Information System delivered by System C (Care Plus) within South Warwickshire. Health Intelligence proposed to introduce robust information governance to securely export childhood vaccination data (over N3). Health Intelligence would securely host and report on immunisation results.

The Management of Change

Health Intelligence worked closely with Jackie Cornock (Child Health Manager, South Warwickshire NHS Foundation Trust), Charles Jeffery (Project Manager at System C) and their respective teams, to ensure that the mechanism for electronically transferring data was quick, accurate and safe.

Implementation of Change

Health Intelligence engaged with the five pilot GP Practices within South Warwickshire to ensure all childhood vaccination data could be exported securely direct from the Practice. The export of this data removes the manual and inconsistent submission of vaccination data.

Health Intelligence designed and created a structured .csv file that pre-mapped the System C vaccination code to the Primary Care Read codes for each vaccination given. This ensured a standardisation of vaccination codes and led to a reduction in the inaccuracy vaccination data supplied.

By uploading the .csv file to batch update child health records in System C, the services now removed the labour intensive process of manually inserting vaccination data.

Outcome

System C has successfully loaded **2,689 immunisation results** since the pilot started. This process saved nearly 15

months of a single data entry officer performing manual data entry.

Health Intelligence agreed to provide this .csv file on a monthly basis to comprehensively reduce the amount of administrative burden, both from GP Practices and System C. The electronic transfer of primary care vaccinations to System C contained an average of 1,750 vaccinations, which previously would have taken a full time single data entry officer over a month (each and every month) to manually insert the previous month's vaccinations into the Child Health IT system.

Benefits of Change

- Automated the flow from GP Practices via a safe and secure electronic transfer of vaccination data to System C Child Health Information System. Therefore, GPs no longer had to spend time sending this information and the information received by South Warwickshire NHS Foundation Trust was consistent
- Prior to the electronic transfer, South Warwickshire NHS Foundation Trust spent over 1 month manually inserting vaccination data. Now the Child Health Department only spend a few minutes per week uploading the data. A significant amount of days and costs saved.
- As a direct consequence of the electronic transfer, South Warwickshire NHS Foundation Trust had an extra month, to spend inviting or reminding parents to vaccinate their children.

Conclusion

The electronic transfer of vaccination data has proven to be a great success. The benefits of the tool to GP Practices, South Warwickshire NHS Foundation Trust and most importantly, the health of the children within South Warwickshire have been substantial. A considerable amount of time from labour intensive processes has been saved, so South Warwickshire NHS Foundation Trust has quicker access to more accurate data and vaccination coverage has significantly increased.