

## **Evaluation of a National Immunisation Service Quality Improvement Project**

Authors: Ryder, K., McKenna, V., Sneyd, N., Corcoran, B., National Immunisation Office.

### **Abstract**

It is essential that the recording of school immunisation records are timely to inform the training and support interventions required to keep vaccination rates high nationally. The national school immunisation service records ½ million records annually in a highly repetitive data intensive process. For this information to become timely all efforts should be made to improve the speed of data entry. The aim of this quality improvement project was to improve the speed of data entry for individual registration, consent and vaccination records. Business analysis revealed two areas for process improvement and the user group indicated a further type of process improvement. The project ran between January and August 2017, going live to coincide with a new academic year. The software application was brought closer to the data entry flow and a new function for batch entry was designed. The speed improvements for recording consent in a test environment resulted in a saving in data entry of approximately 13-14 days per region, while the improvements to vaccinations resulted in a saving in data entry time of somewhere between 4 and 30 days per region depending on the user adapting their processes to the new function. The project was delivered within budget, on time and with positive commentary from the users. The project recovered the costs within one month of full time data entry nationally. Further work is required to establish how much faster data will be entered in a real operating environment.