

Linking schools, health, and GP data for better child outcomes

Joseph Leach
LB Tower Hamlets

What 's happening?

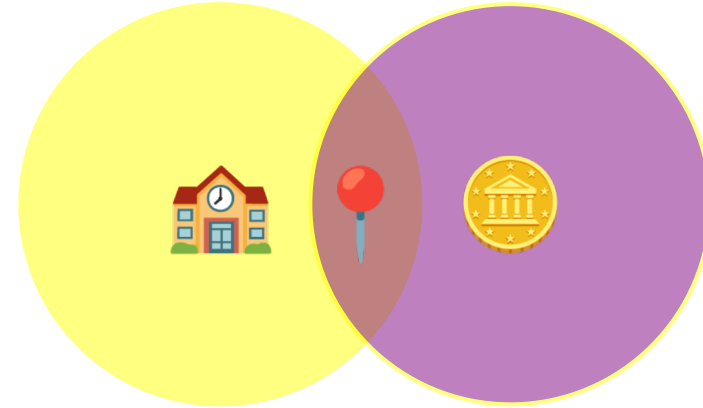
School dinners for all pupils in Tower Hamlets!

This raises two immediate questions:

1. How to retain pupil premium?
2. How to understand effect of intervention?

Q1: Retain pupil premium?

- Match school roll address to Low-income-family-tracker¹ address via AddressBase
- Auto-enrol eligible households for pupil premium
 - Opt-out available



1. <https://policyinpractice.co.uk/low-income-family-tracker/>

Add AddressBase via ASSIGN

- **AddreSS MatchInG** to Unique Property Reference Numbers is made by Endeavour Health¹
- Deterministic matching to AddressBase Premium
- API matches 98.6% of addresses at 38,000 records per minute (see [Harper et al. 2021](#))

1. <https://endeavourhealth.org>

Linkage optimises services

Our friends over the river in Lewisham unlocked additional service funding optimising provision¹

**SCHOOLS
WEEK**



News Jobs Opinion Features Reviews Sector voice Other

Council's £800 exercise results in £1.2m school funding boost

🕒 20 Oct 2023, 15:00

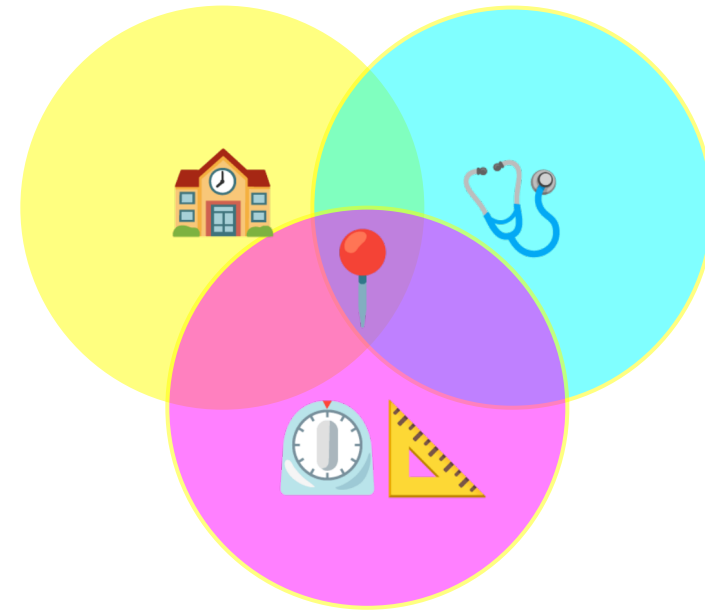
It has prompted fresh calls for a system of auto-enrolment for free school meals

1. <https://schoolsweek.co.uk/councils-800-exercise-results-in-1-2m-school-funding-boost/>

Q2: Understand effect of intervention?

Three datasets linked via AddressBase

1. School attendance
2. NCMP¹
3. GP utilisation

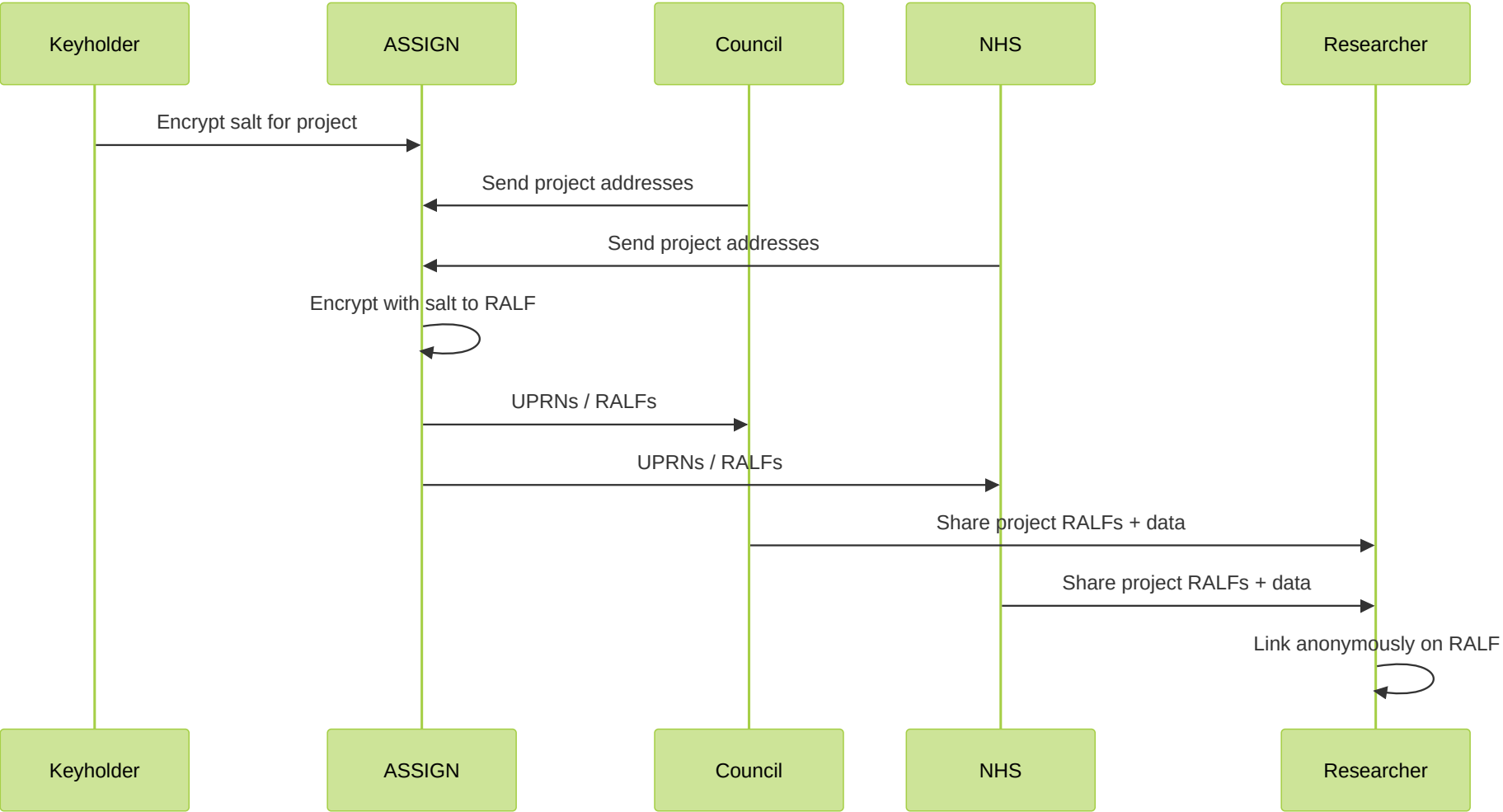


1. <https://www.gov.uk/government/collections/national-child-measurement-programme>

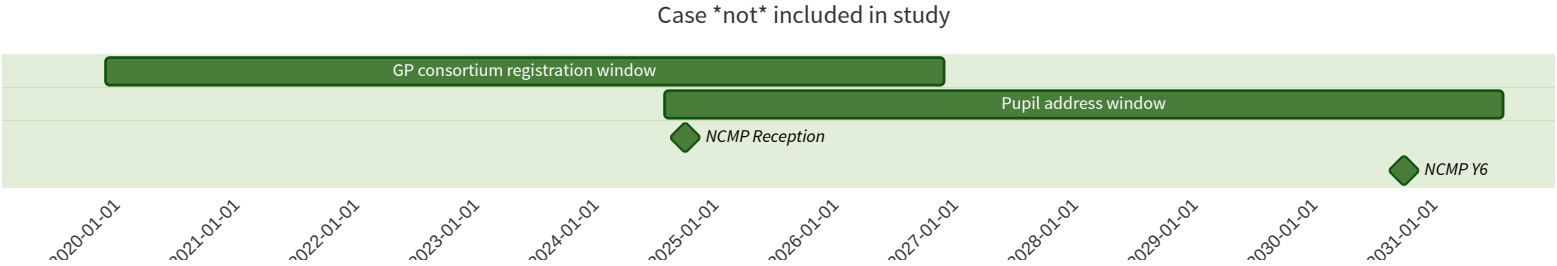
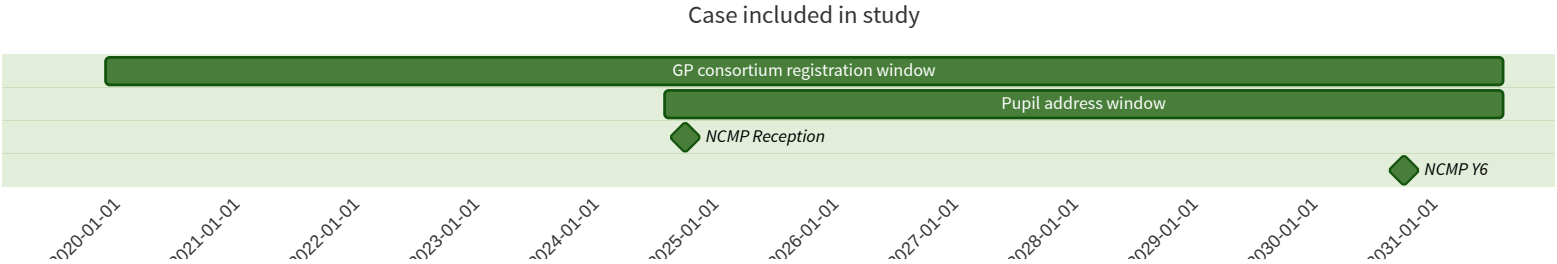
Using ASSIGN to de-identify locations for research

- UPRN in British standards enriched datasets can anonymise UPRN to Residential Anonymised Linking Field (RALF) enabling research (see [Harper et al. 2024](#))]

De-identify UPRN to RALF



Match records in time as well as space



Better child outcomes

Studies can compare outcomes to areas without universal free school meals:

- Change in body mass index
 - Change in school attendance
 - Change in school attainment

Love locations?

Love location standards!



Use [British Standard 7666:2021](#) to ensure that street, land and property records are documented consistently across the UK

References

- Harper, Gill, Nicola Firman, Marta Wilk, Milena Marszalek, Paul Simon, David Stables, Richard Fry, Kelvin Smith, and Carol Dezateux. 2024. “Determining Households from Patient Addresses and Unique Property Reference Numbers in General Practitioner Electronic Health Records.” *International Journal of Population Data Science* 9 (1): 2379.
- Harper, Gill, David Stables, Paul Simon, Zaheer Ahmed, Kelvin Smith, John Robson, and Carol Dezateux. 2021. “Evaluation of the ASSIGN Open-Source Deterministic Address-Matching Algorithm for Allocating Unique Property Reference Numbers to General Practitioner-Recorded Patient Addresses.” *International Journal of Population Data Science* 6 (1): 1674.