Mapping Health Needs
Immunisation and Vaccination

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Mapping Capabilities

- By ward
- Post code district
- Points mapping – service locations
- Income deprivation maps at ward and lower super output area levels i.e. to show vaccine percentage uptake
- Combination/overlaying mapping i.e. shows vaccine % uptake across wards with point mapping showing service/clinic location
- Ordinance survey road/building map as a background
Mapping by Postal District

MMR1 at 2 years 2010-2011 Uptake

Legend:
- No MMRs Completed (0)
- <55% Uptake (1)
- 55-99% Uptake (2)
- 90-95% Uptake (11)
- >95% Uptake (3)
Mapping by Postal District

MMR2 Uptake at 5 Years

MMR2 Uptake at 5 Years

- No MMRs Completed (4)
- <85% Uptake (8)
- 85 - 90% Uptake (7)
- 90 - 95% Uptake (5)
- >95% Uptake (1)
Example Points Mapping

Points of service locations or one point for each user of a service to map client access/ travel to / from clinic locations
Example Income Deprivation Map

Income deprivation maps at ward and lower super output area i.e. to show vaccine percentage uptake.

Income Deprivation Affecting Children 2010 - % Rank of Liverpool Lower Super Output Areas Compared With National Ranks

% of Liverpool LSOA's compared with National Rank
- Least Deprived 20% (21)
- Between 50% and 80% (39)
- Between 20% and 50% (77)
- Between 10% and 20% (49)
- Most Deprived 10% (105)

Note: Number of LSOA's in each category in brackets

T & S Tuebrook and Stoneycroft
K & F Kensington and Fairfield
A & H Allerton and Hunts Cross

Data Source: Department for Communities and Local Government Indices of Deprivation 2010

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Practical Application

Addressing Health Inequalities:

- Access to services
- Targeting of initiatives to vulnerable, underserved groups according to areas of greatest need eg. engagement with communities – travelling families, community link workers

Cost – benefit:

- Targeting resources more appropriately and efficiently through improved data demographics = local intelligence eg. zoning Active Patient Management (APM) visits, service redesign
- Partnership/collaborative working eg. General Practice level data