

**Social Care Survey - read-through indexing**

Linkage Summary Results

Number of records input for Spine Matching		
- to be processed as normal using full DOB (CAs deemed good or DYOB > 1)	418,732	70.4%
- to be processed separately ignoring day of birth (Imperfect CAs and DYOB=1 or missing)	175,648	29.6%
- total records processed	594,380	100.0%
Number of Unique PersonIDs by category of input record from best matching record to Spine		
- full DOB records	377,171	77.3%
- partial DOB records	111,014	22.7%
- total unique PersonIDs	488,185	100.0%

**Match rates using specific criteria**

<u>Criteria</u>	<u>Partial DOB Cohort</u>		<u>Full DOB Cohort</u>		<u>Combined Results</u>		
	<u>% Estimated</u>		<u>% Estimated</u>		<u>% Linked to</u>	<u>% Linked to</u>	<u>% Estimated</u>
	<u>% Linked</u>	<u>Precision</u>	<u>% Linked</u>	<u>Precision</u>	<u>Spine</u>	<u>CHI</u>	<u>Precision</u>
1. Unique Exact Matches	74.5%	99.76%	89.5%	99.97%	86.1%	86.0%	99.93%
2. Original ScotXed "Safe" match criteria	76.2%	99.65%	91.3%	99.87%	87.9%	87.8%	99.83%
3. ScotXed "Optimal" Links	94.8%	91.41%	95.3%	98.29%	95.2%	95.0%	96.73%
<b>4. RECOMMENDATION: Calibrated "Optimal" Links: use 1 where Partial DOB; use 3 where Full DOB</b>					<b>90.6%</b>	<b>90.5%</b>	<b>98.57%</b>