**S1 Table. Ethnicity and IMD missingness by sample characteristics.**

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| --- | --- | --- |
| **Characteristic**  | **Included****(sample with no missing ethnicity or IMD data) n=5,765,707** | **Excluded****(sample with missing ethnicity or IMD data) n=1,296,364** |
| Short stature (<-2.00 SDS, %) | 1.92 | 1.96 |
| Very short stature (<-2.67 SDS, %) | 0.37 | 0.36 |
| Age in months |  |  |
| Mean (SD) | 59.90 (4.01) | 60.19 (3.99) |
| Height in cm |  |  |
| Mean (SD) | 109.60 (5.15)  | 109.69 (5.13) |
| Sex (%) |  |  |
| Boys | 51.10 | 51.07 |
| Girls | 48.90 | 48.93 |
| Government Office region (%) |  |  |
| North East | 4.64 | 6.45 |
| North West | 11.89 | 22.34 |
| Yorkshire and the Humber | 10.71 | 7.83 |
| East Midlands | 8.68 | 7.50 |
| West Midlands | 11.51 | 9.66 |
| East of England | 12.16 | 7.26 |
| London | 17.25 | 8.92 |
| South East | 14.07 | 20.76 |
| South West | 9.10 | 9.28 |
| Index of Multiple Deprivation (%) |  |  |
| 1 | 13.82 | 14.45 |
| 2 | 12.44 | 11.08 |
| 3 | 11.10 | 9.94 |
| 4 | 10.04 | 9.21 |
| 5 | 9.32 | 9.14 |
| 6 | 8.87 | 8.78 |
| 7 | 8.42 | 8.79 |
| 8 | 8.58 | 8.89 |
| 9 | 8.71 | 9.32 |
| 10 | 8.71 | 10.40 |
| Time period (%) |  |  |
| 2006-10 | 21.58 | 37.02 |
| 2010-13 | 25.10 | 18.59 |
| 2013-16 | 26.09 | 24.08 |
| 2016-19 | 27.24 | 20.31 |