

Further analysis on 88 LSOAs - identified by Public Heath

December 2016

Final



Purpose

Public Health is exploring 88 Lower Super Output Areas (LSOAs) identified in 'Mind The Gap: Health Inequalities Action Plan for Kent Analytical Report' (Kent Public Health, June 2016). The 88 LSOAs were subdivided using multivariate segmentation techniques; the analysis produced four distinct types:

- Type 1: Young People Lacking Opportunities
- Type 2: Deprived rural Households
- Type 3: Families in Social Housing
- Type 4: Young People in Poor Quality Accommodation

For the full analysis, including the detail of the methodology and local maps, the report can be found via this link: <http://www.kpho.org.uk/health-intelligence/inequalities/deprivation/mind-the-gap-analytical-report>. See appendix 1 for the 88 LSOAs with the associated wards and districts.

The intention of this report is to look at outcomes or indicators to see if any LSOA by type, had any differences which might suggest that some areas did better than others and then to have a look why. This analysis could also show where certain LSOAs were doing well, and to support the use of this knowledge when commissioning services or developing future services.

Methodology

Business Intelligence created an informative integrated dataset at individual level, of children and young people in Kent, from the ages of one to 19 (inclusive). The model is based on the AY September 2015 to August 2016. The model can provide a holistic picture of the circumstances of children and young people known to Kent County Council (KCC). The variables per table used the model as their source of information. See appendix for details of each variable.

The 88 LSOAs have been separated by type and the proportions of each variable was compared against the proportion recorded at Kent level (all children and young people in the model) (table As) and at the combined LSOAs by type level (table Bs).

An index of 2 indicates that the children and young people in that LSOA had an average level of representation to the comparison. Index key:

Very High	High	Above Average	Average	Below Average	Low
4	3	2	1	0	-1

Recommendation

Use the following tables to identify if any LSOA are recording particular levels of representation that are of interest. For those that are, further insightful analysis can be produced for Public Health.

Table 1a: Type 1 comparison to Kent (indexes)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education Need	19. Special Education Need other	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Dover 013A	3	3	4	-1	2	0	-1	-1	-1	4	3	3	3	0	-1	1	-1	4	4	-1	-1	3	4	4
Dover 013D	3	3	4	-1	2	1	-1	-1	1	4	1	3	1	1	-1	3	-1	4	3	1	2	-1	4	4
Dover 012D	3	3	0	-1	1	2	0	0	1	4	-1	3	3	-1	-1	0	-1	4	1	-1	1	4	2	3
Gravesham 001C	3	3	-1	-1	1	1	3	-1	1	4	0	3	3	0	-1	1	0	4	-1	-1	1	4	3	3
Shepway 014A	4	3	4	4	3	1	0	0	0	4	3	3	3	1	1	3	3	3	4	-1	2	4	3	3
Shepway 004E	3	3	3	-1	3	2	0	-1	2	-1	-1	3	3	1	1	1	3	1	-1	0	4	4	3	3
Shepway 014B	3	3	1	-1	3	-1	1	-1	2	4	2	3	3	0	1	3	3	4	4	-1	-1	4	4	4
Swale 001A	4	3	4	4	3	3	1	-1	1	3	4	3	3	1	-1	3	-1	4	1	-1	2	4	4	3
Swale 001B	4	3	3	-1	2	0	1	0	1	3	1	3	3	0	-1	3	-1	3	-1	-1	-1	4	3	3
Swale 001D	3	2	3	-1	3	0	0	-1	1	3	2	2	3	0	-1	4	-1	3	3	-1	-1	4	4	4
Thanet 001A	4	3	3	-1	1	0	0	-1	1	4	1	4	4	-1	-1	3	-1	3	4	-1	3	4	4	4
Thanet 001B	3	3	3	-1	0	1	0	-1	1	4	0	3	3	-1	-1	1	-1	-1	3	-1	-1	4	4	4
Thanet 001D	3	3	3	-1	0	1	-1	-1	2	4	-1	3	3	-1	-1	2	-1	-1	3	-1	4	4	3	3
Thanet 004A	3	3	3	-1	2	-1	-1	-1	-1	3	4	3	3	0	-1	4	-1	3	-1	-1	0	4	3	3
Thanet 016D	4	3	3	-1	3	1	3	0	-1	3	-1	3	3	0	0	1	-1	-1	3	-1	-1	4	3	3
Thanet 015D	3	2	3	-1	3	2	0	0	0	4	-1	2	1	0	0	0	-1	3	1	-1	-1	4	3	3
Thanet 003A	3	3	3	-1	3	-1	-1	-1	3	1	3	3	3	0	-1	4	-1	-1	3	-1	-1	1	4	3
Thanet 001E	4	3	3	-1	1	0	1	-1	1	4	-1	3	3	1	0	3	-1	-1	-1	-1	-1	2	4	4

Table 1b: Type 1 comparison to all type 1 LSOAs (indexes)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education	19. Special Education Need	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Dover 013A	-1	1	2	-1	0	0	-1	1	3	-1	3	1	0	1	-1	-1	-1	2	4	3	-1	-1	1	1
Dover 013D	0	1	3	-1	0	1	-1	0	3	-1	0	-1	-1	1	1	0	-1	3	0	4	1	-1	1	1
Dover 012D	-1	0	-1	-1	-1	2	1	3	4	-1	-1	1	1	-1	0	-1	-1	3	-1	0	1	1	-1	-1
Gravesham 001C	1	0	-1	-1	-1	1	3	0	-1	-1	-1	1	1	1	1	-1	1	3	-1	-1	0	3	0	1
Shepway 014A	1	1	3	4	3	1	1	2	0	-1	3	2	2	1	3	1	4	1	3	3	1	3	0	-1
Shepway 004E	1	0	0	-1	3	2	0	1	1	-1	-1	2	0	2	3	-1	4	-1	-1	3	4	1	-1	-1
Shepway 014B	1	1	-1	-1	2	-1	1	1	-1	-1	1	0	0	1	3	2	4	3	3	3	-1	1	1	1
Swale 001A	2	2	3	4	1	3	1	2	-1	-1	4	1	1	1	1	3	-1	2	-1	-1	1	3	1	0
Swale 001B	2	0	0	-1	1	0	2	2	-1	-1	0	1	1	1	1	1	-1	2	-1	-1	-1	1	0	-1
Swale 001D	1	-1	1	-1	3	0	1	-1	-1	-1	1	-1	0	1	1	3	-1	1	1	-1	-1	0	2	1
Thanet 001A	2	2	1	-1	0	0	0	0	-1	-1	0	3	3	0	-1	0	-1	2	3	0	2	3	3	3
Thanet 001B	0	2	1	-1	-1	1	0	-1	0	-1	-1	0	0	0	-1	-1	-1	-1	1	-1	-1	1	2	1
Thanet 001D	-1	1	1	-1	-1	1	-1	0	1	-1	-1	1	1	-1	-1	-1	-1	-1	0	-1	4	0	-1	-1
Thanet 004A	-1	0	-1	-1	0	-1	-1	1	1	-1	3	0	0	1	0	3	-1	0	-1	2	-1	-1	-1	0
Thanet 016D	1	1	1	-1	2	1	3	3	0	-1	-1	0	1	0	1	-1	-1	-1	2	1	-1	-1	0	0
Thanet 015D	0	-1	-1	-1	1	2	1	2	3	-1	-1	-1	-1	1	2	-1	-1	2	-1	0	-1	-1	-1	-1
Thanet 003A	0	1	0	-1	1	-1	-1	-1	2	-1	3	0	0	1	0	3	-1	-1	1	-1	-1	-1	1	-1
Thanet 001E	1	1	1	-1	-1	0	2	-1	-1	-1	-1	2	1	1	2	2	0	-1	-1	-1	-1	-1	2	3

Table 2a: Type 2 comparison to Kent (indexes)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education Need	19. Special Education Need other	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Dover 006C	3	3	3	-1	3	-1	1	1	2	-1	3	3	4	0	-1	3	-1	2	3	0	-1	4	3	3
Swale 006A	4	3	4	-1	3	0	-1	-1	-1	4	0	3	3	-1	-1	-1	-1	3	1	-1	-1	4	-1	-1
Swale 006B	3	3	4	-1	3	-1	-1	-1	-1	4	0	3	3	-1	-1	0	-1	3	3	-1	-1	-1	3	3
Swale 006D	3	3	4	4	1	0	0	1	0	0	2	2	3	-1	-1	0	-1	4	3	-1	-1	-1	-1	-1

Table 2b: Type 2 comparison to all type 2 LSOAs (indexes)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education Need	19. Special Education Need other	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Dover 006C	0	0	-1	-1	1	-1	2	2	-1	-1	3	1	2	3	3	3	3	-1	1	4	-1	2	3	2
Swale 006A	2	2	3	-1	1	1	-1	-1	3	0	-1	1	0	-1	-1	-1	-1	1	-1	-1	3	4	-1	-1
Swale 006B	1	1	2	-1	2	1	0	1	3	-1	-1	2	0	1	0	-1	2	0	1	0	3	-1	3	3
Swale 006D	0	0	0	4	-1	2	1	1	1	-1	1	-1	-1	-1	-1	-1	-1	2	1	-1	1	-1	-1	-1

Table 3a: Type 3 comparison to Kent (indexes) (over two pages)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education Need	19. Special Education Need other	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Summer Netloan	7. Domestic Abuse Challenge	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral	
Ashford 005A	3	3	1	-1	1	-1	3	1	2	3	2	1	3	0	0	2	-1	4	3	-1	3	3	3	3
Ashford 008B	4	3	4	-1	3	3	2	-1	2	4	1	3	3	1	-1	3	-1	-1	4	-1	-1	3	3	3
Ashford 008C	4	3	4	-1	3	3	0	-1	3	4	2	4	3	1	0	4	-1	-1	4	-1	-1	4	4	4
Ashford 007F	4	3	3	-1	1	1	2	-1	1	4	-1	2	2	2	3	3	-1	4	0	-1	-1	4	4	4
Canterbury 007B	3	3	3	-1	3	-1	-1	-1	1	-1	4	4	1	0	1	3	1	4	-1	-1	-1	4	3	3
Canterbury 011A	4	3	3	-1	3	2	1	1	1	3	4	4	3	-1	-1	-1	-1	4	-1	-1	3	3	3	
Canterbury 009D	3	3	3	-1	1	0	-1	2	1	4	3	1	2	-1	-1	1	-1	4	-1	-1	-1	-1	1	
Canterbury 019A	4	3	2	-1	-1	2	1	-1	2	0	-1	3	3	-1	-1	-1	-1	3	1	-1	3	0	0	
Dartford 001A	3	2	2	-1	1	0	0	-1	2	0	-1	3	1	1	1	3	1	3	3	-1	0	3	3	4
Dartford 001D	3	2	0	-1	2	0	2	1	1	4	-1	0	1	0	-1	3	0	4	3	0	0	3	1	3
Dartford 009A	3	3	0	-1	2	0	1	-1	2	0	2	2	1	1	-1	3	-1	3	-1	-1	-1	4	3	3
Dartford 004C	3	2	-1	-1	1	0	-1	2	-1	1	4	3	3	0	-1	3	-1	4	4	-1	-1	-1	3	3
Dover 011A	4	2	3	-1	3	3	2	2	2	3	3	3	3	-1	-1	-1	-1	4	4	-1	1	3	3	3
Dover 011D	4	1	-1	-1	0	3	1	1	1	-1	-1	3	4	-1	-1	-1	-1	3	4	-1	-1	-1	4	4
Dover 011F	4	2	4	4	3	1	0	0	2	-1	3	4	4	0	-1	1	-1	-1	4	1	-1	4	4	4
Dover 011H	3	0	3	-1	3	1	3	1	1	-1	3	3	3	1	-1	3	-1	-1	3	3	-1	0	1	2
Dover 013E	3	2	3	-1	1	2	1	-1	1	4	-1	3	3	0	-1	1	-1	-1	4	-1	-1	4	3	4
Gravesham 011C	3	1	1	-1	1	1	0	-1	0	3	3	3	3	1	1	3	-1	3	3	-1	-1	0	1	2
Gravesham 011D	3	2	3	-1	3	-1	1	-1	2	-1	2	2	2	1	0	1	-1	3	-1	-1	1	3	0	1
Gravesham 007A	3	2	3	-1	1	1	1	-1	1	0	2	3	1	0	0	1	-1	3	3	-1	-1	1	1	3
Maidstone 009C	3	3	3	-1	3	0	0	-1	0	1	3	3	3	-1	-1	1	-1	4	4	3	-1	4	4	4
Maidstone 013A	4	3	3	-1	3	1	2	0	2	0	1	3	3	-1	-1	-1	-1	4	4	1	-1	3	3	3
Maidstone 013B	3	2	3	-1	3	0	-1	-1	3	2	0	3	3	-1	-1	-1	-1	3	4	-1	-1	4	4	4
Maidstone 013D	3	3	2	-1	2	0	1	0	1	-1	-1	3	3	-1	-1	-1	-1	3	1	3	-1	2	3	4
Maidstone 013E	3	3	3	4	2	0	2	-1	1	-1	-1	3	3	0	-1	-1	-1	4	4	3	1	4	4	3

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education Need	19. Special Education Need other	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Summer Netloan	8. Domestic Abuse Notification	7. Youth Offending Team	6. Kent School Games	5. Looked after Child	4. Child Protection	3. SCS Child In Need	2. SCS referral	
Sevenoaks 002A	3	3	-1	-1	2	1	1	2	1	3	3	3	3	1	1	3	2	4	4	-1	-1	-1	3	3
Sevenoaks 002B	3	2	-1	-1	1	1	2	0	-1	3	3	0	2	1	1	4	2	-1	-1	-1	-1	-1	3	2
Shepway 003A	3	2	3	4	3	1	0	0	2	-1	3	3	3	0	-1	2	0	0	3	1	1	3	3	3
Shepway 003C	4	3	4	-1	4	1	-1	-1	1	3	3	3	3	1	0	4	3	-1	4	-1	4	3	4	4
Shepway 004B	3	1	4	-1	3	0	1	1	2	1	3	3	3	1	1	2	3	3	4	-1	-1	-1	3	3
Swale 015D	4	3	2	-1	3	3	0	-1	0	0	3	3	3	-1	-1	-1	-1	-1	4	-1	-1	4	4	4
Swale 010B	3	3	3	-1	3	2	-1	1	-1	0	2	3	3	-1	-1	2	-1	3	-1	-1	1	3	3	3
Swale 010C	4	3	4	4	3	2	-1	-1	1	4	4	4	4	-1	-1	-1	-1	3	4	-1	-1	4	3	4
Swale 005C	4	3	4	-1	1	0	1	1	1	3	1	4	3	-1	-1	0	-1	-1	-1	-1	-1	-1	3	3
Swale 001C	4	3	3	-1	2	0	3	1	1	4	1	2	3	1	-1	3	-1	-1	-1	-1	-1	4	4	3
Swale 002A	3	3	4	-1	1	0	-1	0	1	4	-1	2	1	1	0	-1	-1	3	-1	-1	-1	-1	3	3
Swale 002B	4	3	3	4	3	-1	2	-1	1	4	1	3	3	-1	-1	0	-1	4	3	-1	-1	0	4	4
Swale 002C	4	3	4	-1	3	-1	-1	0	0	4	3	3	0	-1	-1	1	-1	-1	4	-1	-1	3	3	3
Swale 002D	4	3	3	-1	2	-1	1	0	1	3	2	3	3	1	-1	0	-1	-1	3	-1	-1	4	3	3
Swale 004E	4	2	4	-1	3	3	-1	0	1	3	3	4	4	1	1	3	-1	4	4	-1	4	4	3	2
Thanet 006C	4	2	3	-1	-1	-1	0	2	2	-1	3	3	3	0	-1	-1	-1	3	4	-1	-1	4	3	3
Thanet 006D	4	3	2	-1	3	-1	1	0	0	3	1	3	4	0	0	3	-1	4	3	-1	-1	4	4	4
Thanet 004B	3	1	2	-1	2	-1	1	-1	1	-1	2	3	3	0	-1	2	-1	-1	0	-1	1	-1	3	3
Thanet 006E	4	3	-1	-1	0	1	1	-1	0	-1	-1	4	3	1	-1	3	-1	4	-1	-1	3	4	4	4
Thanet 005A	3	3	4	-1	3	-1	-1	-1	-1	4	4	1	3	0	-1	3	-1	0	4	-1	4	3	4	4
Thanet 003B	3	2	1	-1	1	-1	3	-1	1	4	-1	3	3	1	-1	3	-1	4	-1	0	-1	0	3	3
Thanet 013A	4	3	3	-1	4	3	2	-1	0	-1	3	3	3	0	-1	3	-1	3	1	-1	3	4	4	4
Thanet 013B	4	3	3	-1	4	3	-1	-1	0	-1	4	4	3	0	-1	3	-1	3	3	-1	4	4	4	4
Thanet 013E	3	0	2	-1	3	1	-1	-1	-1	1	-1	2	1	-1	-1	2	-1	3	-1	-1	3	4	4	4
Thanet 003D	3	2	2	-1	3	-1	-1	-1	-1	3	3	3	3	0	-1	3	-1	4	4	-1	4	3	3	4
Thanet 012C	4	3	3	-1	3	1	-1	-1	1	-1	4	3	3	0	-1	3	-1	4	4	-1	3	4	4	3

Table 3b: Type 3 comparison to all type 3 LSOAs (indexes) (over two pages)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special exclusion	19. Special Education Need	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Ashford 005A	-1	1	-1	-1	-1	-1	3	3	-1	-1	-1	-1	1	1	1	2	3	1	-1	3	0	0	0	0
Ashford 008B	1	1	3	-1	2	3	2	-1	1	-1	-1	2	2	1	1	3	1	-1	3	-1	-1	0	0	-1
Ashford 008C	2	2	3	-1	1	3	0	-1	-1	-1	0	3	1	2	2	3	2	-1	2	2	-1	3	3	2
Ashford 007F	2	2	2	-1	-1	1	2	-1	-1	-1	-1	-1	3	3	1	1	3	-1	-1	-1	3	3	2	2
Canterbury 007B	0	1	0	-1	1	-1	-1	0	1	-1	3	2	-1	1	3	1	3	3	-1	1	-1	1	0	-1
Canterbury 011A	1	1	2	-1	1	2	1	2	3	-1	4	3	2	-1	1	-1	3	-1	3	-1	-1	-1	1	0
Canterbury 009D	-1	3	1	-1	-1	0	-1	3	3	-1	2	-1	-1	0	1	-1	-1	3	-1	-1	-1	-1	-1	-1
Canterbury 019A	1	1	-1	-1	-1	2	1	1	1	-1	-1	1	0	-1	-1	-1	-1	0	3	-1	-1	-1	-1	-1
Dartford 001A	-1	0	-1	-1	-1	-1	0	-1	3	-1	-1	-1	-1	2	3	1	3	0	1	0	1	-1	1	1
Dartford 001D	-1	0	-1	-1	0	0	2	2	0	-1	-1	-1	-1	1	1	1	3	3	1	3	1	-1	-1	-1
Dartford 009A	-1	1	-1	-1	-1	0	1	-1	-1	-1	0	-1	-1	1	0	2	-1	-1	-1	1	-1	1	-1	-1
Dartford 004C	0	0	-1	-1	-1	0	-1	3	2	-1	3	1	1	0	0	1	1	4	2	1	-1	-1	0	0
Dover 011A	1	0	0	-1	0	3	2	3	4	-1	0	0	0	-1	-1	-1	1	3	3	-1	2	0	0	-1
Dover 011D	1	-1	-1	-1	-1	3	0	3	1	-1	-1	1	3	-1	0	-1	-1	1	2	1	-1	-1	2	2
Dover 011F	2	0	3	4	1	0	0	1	-1	-1	3	3	3	0	1	0	-1	-1	3	3	-1	3	3	3
Dover 011H	-1	-1	1	-1	1	0	3	2	-1	-1	2	0	1	2	0	1	-1	-1	1	4	-1	-1	-1	-1
Dover 013E	0	0	1	-1	-1	1	1	-1	1	-1	-1	0	1	1	0	-1	-1	-1	3	1	-1	3	0	1
Gravesham 011C	-1	-1	-1	-1	-1	0	0	-1	-1	-1	1	-1	1	2	3	3	2	0	-1	-1	-1	-1	-1	-1
Gravesham 011D	-1	0	-1	-1	1	-1	1	0	-1	-1	0	-1	-1	1	2	-1	1	0	-1	-1	2	-1	-1	-1
Gravesham 007A	-1	0	0	-1	-1	0	1	-1	1	-1	0	0	-1	1	1	0	2	1	0	3	-1	-1	-1	-1
Maidstone 009C	0	2	1	-1	1	0	0	0	-1	-1	3	1	1	-1	-1	-1	3	2	4	-1	3	3	3	3
Maidstone 013A	2	2	-1	-1	1	1	2	1	-1	-1	-1	1	1	0	0	-1	-1	4	3	3	0	0	1	1
Maidstone 013B	1	0	1	-1	2	0	-1	-1	3	-1	-1	1	2	-1	0	-1	-1	0	3	-1	-1	4	3	2
Maidstone 013D	0	1	-1	-1	0	-1	1	1	3	-1	-1	0	1	-1	-1	-1	-1	0	-1	4	0	-1	-1	1
Maidstone 013E	0	1	-1	4	0	0	2	0	-1	-1	-1	0	1	1	1	-1	2	3	3	4	2	3	1	0

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special exclusion	19. Special Education Need	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Sevenoaks 002A	0	0	-1	-1	-1	1	1	3	-1	-1	1	1	0	2	3	2	4	3	3	-1	-1	-1	-1	-1
Sevenoaks 002B	-1	0	-1	-1	-1	0	1	1	0	-1	1	-1	-1	2	3	3	3	-1	-1	-1	-1	-1	-1	-1
Shepway 003A	1	0	0	4	2	1	0	1	-1	-1	1	1	1	0	0	1	3	-1	0	3	2	-1	-1	-1
Shepway 003C	2	1	2	-1	3	1	-1	0	-1	-1	1	2	1	1	2	3	4	-1	3	0	4	-1	1	1
Shepway 004B	0	-1	3	-1	2	0	1	2	-1	-1	3	-1	1	2	3	0	4	-1	3	-1	-1	-1	0	1
Swale 015D	1	2	-1	-1	3	2	0	0	1	-1	2	2	1	0	0	-1	-1	-1	2	-1	-1	1	1	3
Swale 010B	0	1	0	-1	1	2	-1	3	1	-1	0	0	1	0	0	-1	-1	-1	-1	2	-1	0	-1	-1
Swale 010C	2	1	3	4	2	1	-1	-1	-1	-1	3	3	3	-1	-1	-1	-1	1	4	-1	-1	4	1	1
Swale 005C	2	1	3	-1	-1	-1	1	2	1	-1	-1	2	1	0	-1	-1	-1	-1	3	-1	-1	-1	-1	-1
Swale 001C	1	1	1	-1	0	-1	3	2	1	-1	-1	-1	0	1	1	3	1	-1	-1	-1	-1	1	2	1
Swale 002A	1	1	2	-1	-1	0	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	1	1	1
Swale 002B	2	1	1	4	0	-1	1	-1	-1	-1	-1	1	1	0	1	-1	-1	2	-1	-1	-1	-1	3	2
Swale 002C	1	1	3	-1	1	-1	-1	1	1	-1	2	0	-1	-1	-1	0	-1	-1	2	-1	-1	-1	-1	-1
Swale 002D	1	1	1	-1	0	-1	1	1	-1	-1	-1	0	0	1	1	-1	-1	-1	-1	-1	2	-1	-1	-1
Swale 004E	2	0	3	-1	1	3	-1	2	2	-1	3	2	3	1	2	3	1	2	3	-1	4	2	-1	-1
Thanet 006C	2	0	-1	-1	-1	-1	0	3	0	-1	2	1	2	1	-1	-1	-1	-1	2	3	-1	1	0	-1
Thanet 006D	2	0	-1	-1	1	-1	1	1	-1	-1	-1	1	3	1	1	2	2	3	0	-1	-1	3	3	3
Thanet 004B	-1	-1	-1	-1	0	-1	1	-1	1	-1	0	0	1	1	0	0	-1	-1	-1	2	-1	-1	-1	-1
Thanet 006E	1	1	-1	-1	-1	0	1	-1	-1	-1	-1	3	1	1	1	1	-1	3	-1	-1	3	3	2	3
Thanet 005A	-1	1	2	-1	2	-1	-1	-1	3	-1	3	-1	0	1	0	2	-1	-1	3	-1	4	-1	1	2
Thanet 003B	0	0	-1	-1	-1	-1	3	-1	2	-1	-1	1	2	1	1	2	-1	3	-1	3	-1	-1	-1	0
Thanet 013A	2	2	1	-1	3	3	2	1	-1	-1	2	0	1	1	0	1	1	0	-1	-1	4	3	2	3
Thanet 013B	2	1	1	-1	3	3	-1	1	1	-1	3	2	1	1	-1	1	-1	-1	0	-1	4	3	3	3
Thanet 013E	0	-1	-1	-1	1	1	-1	0	1	-1	-1	-1	-1	-1	1	-1	-1	-1	1	3	1	2	2	2
Thanet 003D	-1	0	-1	-1	0	-1	-1	-1	3	-1	1	-1	1	1	0	3	-1	4	3	-1	4	-1	1	1
Thanet 012C	1	1	1	-1	1	1	-1	1	0	-1	3	0	0	1	1	2	-1	3	3	-1	3	3	2	1

Table 4a: Type 4 comparison to Kent (indexes)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education Need	19. Special Education Need other	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Library Netloan	8. Summer Reading Challenge	7. Domestic Abuse Notification	6. Youth Offending Team	5. Kent School Games	4. Looked after Child	3. Child Protection	2. SCS Child In Need	1. SCS referral
Canterbury 001A	3	3	2	-1	1	0	2	1	2	-1	-1	3	3	1	3	-1	-1	3	1	1	3	1	4	4
Canterbury 001B	0	1	-1	-1	1	-1	2	-1	1	-1	2	2	1	2	3	-1	1	4	4	-1	1	-1	2	0
Canterbury 001C	3	3	-1	-1	0	-1	0	3	1	2	-1	3	1	1	1	1	-1	1	-1	-1	-1	4	4	3
Dover 013B	3	3	3	4	1	-1	1	0	2	4	3	3	3	1	-1	3	-1	4	4	-1	-1	3	3	3
Dover 012F	3	3	3	-1	-1	-1	1	2	1	3	-1	4	3	2	0	4	1	4	4	-1	4	4	3	2
Gravesham 002A	3	3	-1	-1	2	2	0	-1	1	4	-1	1	0	1	0	3	-1	-1	3	-1	1	4	1	3
Gravesham 002E	3	2	3	-1	0	2	1	-1	3	4	-1	0	2	1	-1	2	-1	3	-1	-1	-1	-1	3	3
Gravesham 002F	-1	1	-1	-1	-1	1	-1	-1	1	4	1	0	-1	0	1	3	0	4	2	-1	-1	-1	3	3
Shepway 014C	4	3	3	-1	4	1	0	0	0	4	4	3	3	-1	-1	-1	1	3	-1	3	-1	1	-1	2
Shepway 014D	0	3	4	-1	3	-1	1	0	3	4	3	4	3	0	1	4	3	-1	4	-1	3	4	3	2
Thanet 016A	1	1	-1	-1	1	-1	0	2	2	3	3	0	0	1	1	3	-1	0	-1	3	3	-1	3	3
Thanet 016C	3	3	2	-1	1	-1	1	0	-1	4	-1	2	1	1	1	4	-1	4	3	-1	4	4	3	3
Thanet 001C	2	1	3	-1	1	1	1	0	-1	0	2	1	0	0	-1	3	-1	-1	-1	-1	4	-1	-1	-1
Thanet 016E	4	3	2	-1	3	-1	3	-1	2	2	3	-1	2	0	-1	3	-1	1	2	-1	3	-1	3	3
Thanet 003E	2	3	2	-1	3	-1	1	0	1	4	-1	1	0	0	-1	3	-1	-1	3	-1	4	4	3	3

Table 4b: Type 4 comparison to all type 4 LSOAs (indexes)

LSOA name	24. Eligible for FSM	23. <90% attendance	22. Fixed Exclusion	21. Perm exclusion	20. Special Education	19. Special Education Need	18. Early Years Foundation Stage	17. Key Stage 2	16. Phonics	15. CME referral	14. Education Psychology	13. Troubled Families	12. Early Help Notification	11. Library Registered	10. Library Borrower	9. Summer Netloan	8. Domestic Reading Challenge	7. Youth Offending Team	6. Kent School Games	5. Looked after Child	4. Child Protection	3. SCS Child In Need	2. SCS referral	
Canterbury 001A	2	1	1	-1	0	1	2	1	0	-1	-1	1	3	1	3	-1	2	-1	-1	3	0	-1	3	3
Canterbury 001B	-1	-1	-1	-1	1	0	1	-1	3	-1	2	1	0	2	3	-1	3	2	4	-1	-1	-1	-1	-1
Canterbury 001C	1	0	-1	-1	-1	-1	0	3	-1	-1	-1	1	0	1	1	-1	1	-1	-1	0	-1	3	3	2
Dover 013B	1	3	3	4	0	-1	1	1	-1	-1	3	3	1	1	-1	1	1	4	3	-1	-1	0	1	1
Dover 012F	1	2	2	-1	-1	0	1	3	3	-1	-1	3	3	2	1	3	3	4	4	-1	4	2	0	-1
Gravesham 002A	1	0	-1	-1	1	3	0	-1	-1	-1	-1	-1	-1	1	0	1	0	-1	1	-1	-1	4	-1	1
Gravesham 002E	1	0	2	-1	-1	3	0	-1	2	-1	-1	-1	1	0	0	0	-1	1	-1	-1	-1	-1	0	2
Gravesham 002F	-1	-1	-1	-1	-1	1	-1	-1	3	-1	1	-1	-1	0	1	2	2	3	0	-1	-1	-1	1	0
Shepway 014C	3	3	2	-1	3	1	-1	1	4	-1	4	3	3	-1	-1	-1	3	-1	-1	4	-1	-1	-1	-1
Shepway 014D	-1	2	3	-1	3	0	1	1	4	-1	3	3	3	0	2	3	4	-1	3	-1	1	4	1	-1
Thanet 016A	-1	-1	-1	-1	1	-1	0	3	1	-1	3	-1	-1	1	1	0	0	-1	-1	4	1	-1	2	1
Thanet 016C	1	0	1	-1	0	-1	1	1	-1	-1	-1	1	0	1	1	3	0	3	3	2	3	3	0	0
Thanet 001C	0	-1	2	-1	0	2	1	1	-1	-1	2	-1	-1	0	-1	1	-1	-1	-1	-1	4	-1	-1	-1
Thanet 016E	3	2	2	-1	3	-1	3	-1	3	-1	3	-1	1	-1	-1	1	-1	-1	0	0	2	-1	1	0
Thanet 003E	0	1	1	-1	2	-1	1	1	1	-1	-1	-1	-1	-1	-1	2	-1	-1	1	0	3	4	1	0

Appendix 1 - LSOAs with the associated wards and districts

Type	LSOA code	LSOA name	Ward	District
1	E01024214	Dover 013A	Maxton, Elms Vale and Priory	Dover
1	E01024246	Dover 013D	Tower Hamlets	Dover
1	E01024247	Dover 012D	Tower Hamlets	Dover
1	E01024278	Gravesham 001C	Northfleet North	Gravesham
1	E01024504	Shepway 014A	Folkestone Harbour	Shepway
1	E01024505	Shepway 004E	Folkestone Harbour	Shepway
1	E01024507	Shepway 014B	Folkestone Harvey Central	Shepway
1	E01024609	Swale 001A	Sheerness East	Swale
1	E01024610	Swale 001B	Sheerness East	Swale
1	E01024612	Swale 001D	Sheerness East	Swale
1	E01024657	Thanet 001A	Cliftonville West	Thanet
1	E01024658	Thanet 001B	Cliftonville West	Thanet
1	E01024660	Thanet 001D	Cliftonville West	Thanet
1	E01024661	Thanet 004A	Cliftonville West	Thanet
1	E01024667	Thanet 016D	Eastcliff	Thanet
1	E01024670	Thanet 015D	Eastcliff	Thanet
1	E01024676	Thanet 003A	Margate Central	Thanet
1	E01024678	Thanet 001E	Margate Central	Thanet

Type	LSOA code	LSOA name	Ward	District
2	E01024192	Dover 006C	Aylesham	Dover
2	E01024580	Swale 006A	Leysdown and Warden	Swale
2	E01024581	Swale 006B	Leysdown and Warden	Swale
2	E01024618	Swale 006D	Sheppey Central	Swale

Type	LSOA code	LSOA name	Ward	District
3	E01023973	Ashford 005A	Aylesford Green	Ashford
3	E01024019	Ashford 008B	Stanhope	Ashford
3	E01024020	Ashford 008C	Stanhope	Ashford
3	E01024028	Ashford 007F	Victoria	Ashford
3	E01024061	Canterbury 007B	Gorrell	Canterbury
3	E01024091	Canterbury 011A	Northgate	Canterbury
3	E01024108	Canterbury 009D	Seasalter	Canterbury
3	E01024128	Canterbury 019A	Wincheap	Canterbury
3	E01024148	Dartford 001A	Joyce Green	Dartford
3	E01024155	Dartford 001D	Littlebrook	Dartford
3	E01024165	Dartford 009A	Princes	Dartford
3	E01024177	Dartford 004C	Swanscombe	Dartford
3	E01024193	Dover 011A	Buckland	Dover
3	E01024196	Dover 011D	Buckland	Dover
3	E01024240	Dover 011F	St Radigunds	Dover
3	E01024248	Dover 011H	Tower Hamlets	Dover
3	E01024249	Dover 013E	Town and Pier	Dover
3	E01024305	Gravesham 011C	Singlewell	Gravesham
3	E01024306	Gravesham 011D	Singlewell	Gravesham
3	E01024308	Gravesham 007A	Westcourt	Gravesham
3	E01024374	Maidstone 009C	High Street	Maidstone
3	E01024389	Maidstone 013A	Park Wood	Maidstone
3	E01024390	Maidstone 013B	Park Wood	Maidstone
3	E01024397	Maidstone 013D	Shepway South	Maidstone
3	E01024398	Maidstone 013E	Shepway South	Maidstone
3	E01024476	Sevenoaks 002A	Swanley St Mary's	Sevenoaks

Type	LSOA code	LSOA name	Ward	District
3	E01024476	Sevenoaks 002A	Swanley St Mary's	Sevenoaks
3	E01024477	Sevenoaks 002B	Swanley St Mary's	Sevenoaks
3	E01024496	Shepway 003A	Folkestone East	Shepway
3	E01024498	Shepway 003C	Folkestone East	Shepway
3	E01024500	Shepway 004B	Folkestone Foord	Shepway
3	E01024563	Swale 015D	Davington Priory	Swale
3	E01024584	Swale 010B	Milton Regis	Swale
3	E01024590	Swale 010C	Murston	Swale
3	E01024597	Swale 005C	Queenborough and Halfway	Swale
3	E01024611	Swale 001C	Sheerness East	Swale
3	E01024613	Swale 002A	Sheerness West	Swale
3	E01024614	Swale 002B	Sheerness West	Swale
3	E01024615	Swale 002C	Sheerness West	Swale
3	E01024616	Swale 002D	Sheerness West	Swale
3	E01024621	Swale 004E	Sheppey Central	Swale
3	E01024662	Thanet 006C	Dane Valley	Thanet
3	E01024663	Thanet 006D	Dane Valley	Thanet
3	E01024664	Thanet 004B	Dane Valley	Thanet
3	E01024666	Thanet 006E	Dane Valley	Thanet
3	E01024672	Thanet 005A	Garlinge	Thanet
3	E01024677	Thanet 003B	Margate Central	Thanet
3	E01024682	Thanet 013A	Newington	Thanet
3	E01024683	Thanet 013B	Newington	Thanet
3	E01024687	Thanet 013E	Northwood	Thanet
3	E01024697	Thanet 003D	Salmestone	Thanet
3	E01024699	Thanet 012C	Sir Moses Montefiore	Thanet

Type	LSOA code	LSOA name	Ward	District
4	E01024078	Canterbury 001A	Heron	Canterbury
4	E01024080	Canterbury 001B	Heron	Canterbury
4	E01024081	Canterbury 001C	Heron	Canterbury
4	E01024215	Dover 013B	Maxton, Elms Vale and Priory	Dover
4	E01033211	Dover 012F	Castle	Dover
4	E01024257	Gravesham 002A	Central	Gravesham
4	E01024295	Gravesham 002E	Riverside	Gravesham
4	E01032799	Gravesham 002F	Pelham	Gravesham
4	E01033212	Shepway 014C	Folkestone Harvey Central	Shepway
4	E01033215	Shepway 014D	Folkestone Harvey Central	Shepway
4	E01024646	Thanet 016A	Central Harbour	Thanet
4	E01024649	Thanet 016C	Central Harbour	Thanet
4	E01024659	Thanet 001C	Cliftonville West	Thanet
4	E01024671	Thanet 016E	Eastcliff	Thanet
4	E01024710	Thanet 003E	Westbrook	Thanet

Appendix 2 - Data descriptions

There are 245,865 total children and young people in the model, as at January 2016. The first proportion shows that dataset in comparison to the whole model. The second proportion shows the match rate of that original dataset into the base of the model.

1. Had at least one SCS referral (contact went onto referral), AY 2015-16 **3.3% 74.7%**
2. Had at least one SCS referral go onto assessment – definition of CIN, AY 2015-16 **2.5% 87.7%**
3. Had at least one episode as Child Protection, AY 2015-16. **0.6% 95.5%**
4. Had at least one episode as Looked after Child, AY 2015-16. **0.6% 48.2%**
5. Took part in Kent School Games, October 2015 to July 2016. **1% 43.6%**
6. Are known to the Youth Offending Team, AY 2015-16. **0.4% 58.1%**
7. Had at least one Domestic Abuse Notification (SCS contact reason was DAN), AY 2015-16. **0.4% 76.5%**
8. Registered to take part in the Summer Reading Challenge, AY 2015-16 **5.5% 76.1%**
9. Used a library computer at least once, AY 2015-16. **2.8%**
10. Borrow at least one library book, AY 2015-16. **17.2% 81.6%**
11. Registered to use the Library services, AY 2015-16 **32.9% 73.1%**
12. Had at least one Early Help Notification, AY 2015-16. **6.5% 82.7%**
13. Are known to the Troubled Families Programme (phase 1 or 2), since start of programme 2012 to end of August 2016. **6.7% 72.4%**
14. Had at least one Education Psychology referral, AY 2015-16. **0.5% 57.4%**
15. Had at least one Child Missing Education referral, AY 2015-16. **0.3% 49.8%**
16. Phonics mark and/or outcome **8.8% 98.5%**
17. Key Stage 2 – achieved national standard **6.5% 99.5%**
18. Early Years Foundation Score Profile **7.2% 98.5%**
19. Has another special educational need (primary or secondary) (other than ASD and/or SEMH), January 2016 **6.9% 100.0%**
20. Has a special educational need as ASD and/or SEMH (primary or secondary), January 2016 **4.5% 100.0%**
21. Was permanently excluded, AY 2015-16. **0.02% 84.8%**
22. Had at least one fixed term exclusion, AY 2015-16. **2.1% 96.8%**
23. Attendance level of 0 to 89.9% inclusive (does not include those with no attendance available), currently autumn 2015 and spring 2016. **10.1% 99.2%**
24. All ages eligible for free school meals, AY 2015-16. **91.3% 100%**