

In Norfolk 1,743 5-year-olds (approximately 66.2% of those sampled) were examined at school by trained and calibrated examiners using the national standard method².

Figure 1: Prevalence of experience of dental decay and mean number of teeth with experience of dental decay in 5-year-olds in Norfolk, other local authorities in the East of England and England.

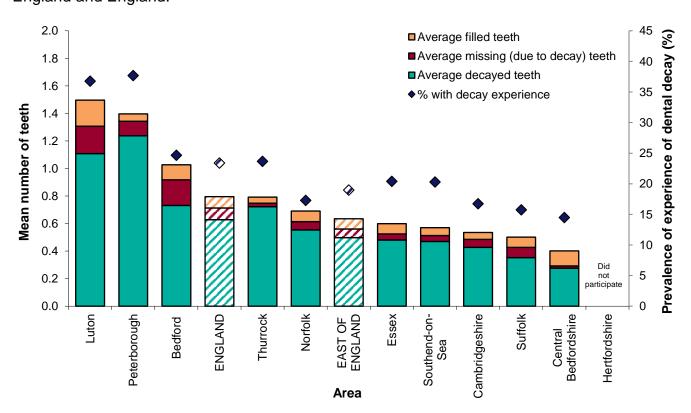


Table 1: Experience of dental decay in 5-year-olds in Norfolk, other local authorities in the East of England and England.

| Local authority | Prevalence of experience of dental decay (%) | Mean number of teeth with experience of dental decay in all examined children n (95% confidence intervals) | Mean number of teeth with experience of dental decay in children with any decay experience n (95% confidence intervals) | |
|----------------------|---|--|---|--|
| Peterborough | 37.7 | 1.4 (1.05 - 1.75) | 3.7 (3.03 - 4.38) | |
| Luton | 36.8 | 1.5 (1.16 - 1.84) | 4.1 (3.39 - 4.75) | |
| Bedford | 24.7 | 1.0 (0.73 - 1.33) | 4.2 (3.40 - 4.92) | |
| Thurrock | 23.6 | 0.8 (0.53 - 1.06) | 3.3 (2.63 - 4.07) | |
| England | 23.4 | 0.8 (0.78 - 0.81) | 3.4 (3.36 - 3.44) | |
| Essex | 20.4 | 0.6 (0.54 - 0.66) | 2.9 (2.73 - 3.15) | |
| Southend-on-Sea | 20.3 | 0.6 (0.34 - 0.80) | 2.8 (2.06 - 3.56) | |
| East of England | 19.0 | 0.6 (0.60 - 0.67) | 3.3 (3.21 - 3.48) | |
| Norfolk | 17.3 | 0.7 (0.60 - 0.78) | 4.0 (3.67 - 4.33) | |
| Cambridgeshire | 16.7 | 0.5 (0.44 - 0.63) | 3.2 (2.79 - 3.61) | |
| Suffolk | 15.7 | 0.5 (0.42 - 0.58) | 3.2 (2.85 - 3.52) | |
| Central Bedfordshire | 14.5 | 0.4 (0.19 - 0.61) | 2.8 (1.81 - 3.74) | |
| Hertfordshire | Did not participate | | | |

Table 2. Measures of oral health among 5-year-olds in Norfolk, it's statistical neighbours, i the East of England and England.

| | Norfolk | Statistical neighbour within East of England: Suffolk | Statistical neighbour comparator 1: Suffolk | East of England | England |
|--|---------|--|--|--------------------|---------|
| Prevalence of experience of dental decay | 17.3% | 15.7% | 15.7% | 19.0% | 23.4% |
| Mean number of teeth with experience of dental decay | 0.7 | 0.5 | 0.5 | 0.6 | 0.8 |
| Mean number of teeth with experience of decay in those with experience of dental decay | 4.0 | 3.2 | 3.2 | 3.3 | 3.4 |
| Mean number of decayed teeth in those with experience of dental decay | 3.2 | 2.2 | 2.2 | 2.6 | 2.7 |
| Proportion with active decay | 14.6% | 13.3% | 13.3% | 16.3% | 20.4% |
| Proportion with experience of tooth extraction ⁱⁱ | 1.8% | 1.7% | 1.7% | 1.8% | 2.2% |
| Proportion with dental abscess | 0.4% | 0.6% | 0.6% | 0.7% | 1.0% |
| Proportion with teeth decayed into pulp | 2.1% | 1.7% | 1.7% | 2.5% | 3.3% |
| Proportion with decay affecting incisorsiii | 3.3% | 2.5% | 2.5% | 3.5% | 5.2% |
| Proportion with high levels of plaque present on upper front teeth ^{iv} | 0.0% | 0.1% | 0.1% | 0.5% | 1.2% |

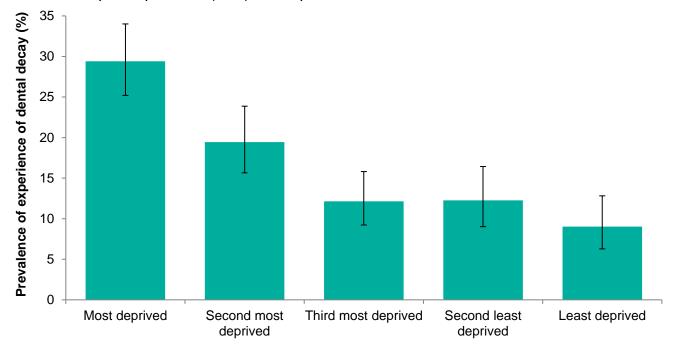
¹ generated by the children's services statistical neighbour benchmarking tool, the neighbour within the East of England has "Extremely Close" comparator characteristics and the national neighbour 1 has "Extremely Close" comparator characteristics³.

ii experience of extraction of one or more teeth on one or more occasions.

iii dental decay involving one or more surfaces of upper anterior teeth.

iv indicative of poor tooth brushing habits.

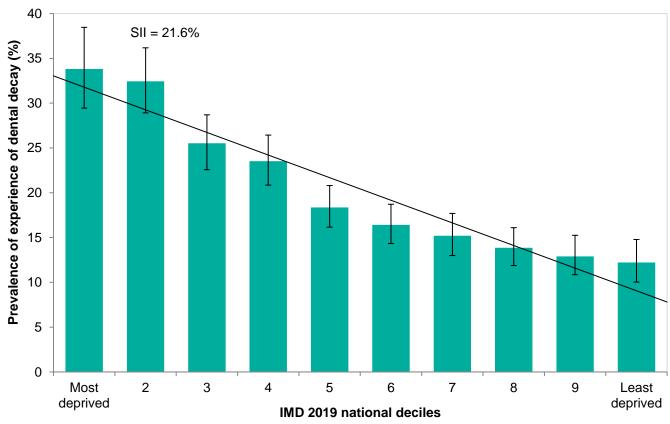
Figure 2: Prevalence of experience of dental decay in 5-year-olds in Norfolk, by local authority Index of Multiple Deprivation (IMD) 2019 quintiles.



IMD 2019 quintiles (within local authority)

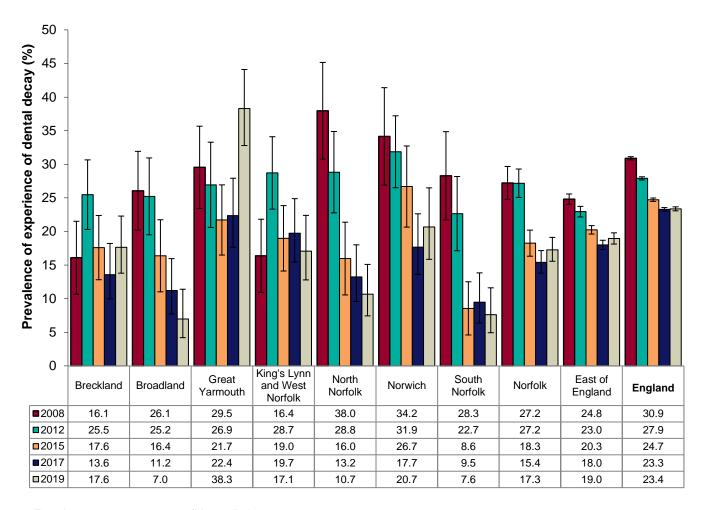
Error bars represent 95% confidence limits

Figure 3: Slope index of inequality in the prevalence of experience of dental decay in 5-year-olds in the East of England.



Error bars represent 95% confidence limits

Figure 4: Prevalence of experience of dental decay in 5-year-olds in Norfolk local authorities, the East of England and England, by year.

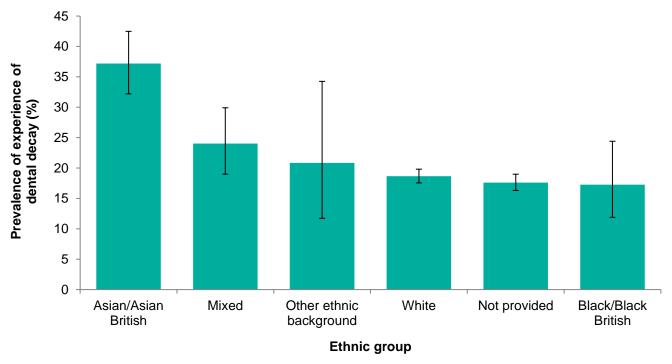


Error bars represent 95% confidence limits

Table 3: Experience of dental decay in 5-year-olds in the East of England, by ethnic group.

| Ethnic group | Number of children examined (N) | Prevalence of experience of dental decay (%) | Mean number of teeth with experience of dental decay among children with any experience of dental decay n (95% CI) | Prevalence of dental decay affecting incisors (%) |
|-------------------------|--|---|--|--|
| Asian/Asian British | 336 | 37.2 | 4.2 (3.59 - 4.75) | 12.8 |
| Mixed | 233 | 24.0 | 4.4 (3.54 - 5.28) | 8.6 |
| Other ethnic background | 48 | 20.8 | 4.4 (2.37 - 6.43) | 6.3 |
| White | 4,546 | 18.7 | 3.4 (3.17 - 3.56) | 2.8 |
| Not provided | 3,118 | 17.6 | 3.1 (2.84 - 3.26) | 3.2 |
| Black/Black British | 139 | 17.3 | 3.3 (2.24 - 4.43) | 3.6 |
| East of England | 8,420 | 19.0 | 3.3 (3.21 - 3.48) | 3.5 |

Figure 5: Prevalence of experience of dental decay in 5-year-olds in the East of England, by ethnic group.



Error bars represent 95% confidence limits

Figure 6: Prevalence of experience of dental decay in 5-year-olds in Norfolk, by lower-tier local authority, 2019.

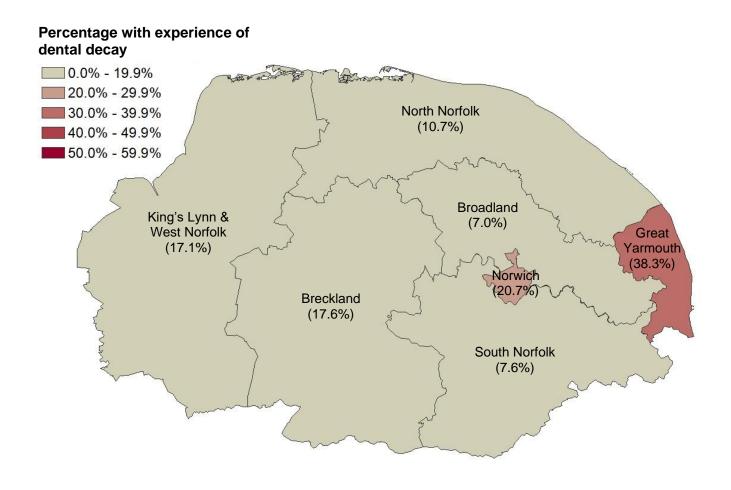
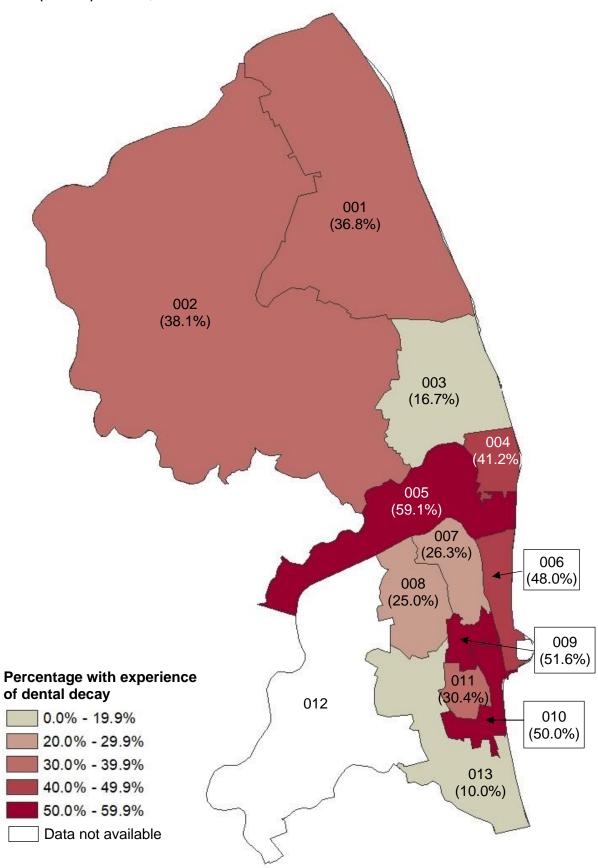


Figure 7: Prevalence of experience of dental decay in 5-year-olds in Great Yarmouth, by middle layer super output area, 2019.



Catton Grove (8.3%)Mile Cross (15.4%)Sewell (19.0%)Crome (0.0%)Wensum Bowthorpe (25.0%)(34.6%)Mancroft (38.9%) Thorpe Nelson Hamlet (6.7%)University Town (12.5%)Close (6.3%)Eaton Lakenham (22.6%)Percentage with experience of dental decay 0.0% - 19.9% 20.0% - 29.9% 30.0% - 39.9% 40.0% - 49.9% 50.0% - 59.9% Data not available

Figure 8: Prevalence of experience of dental decay in 5-year-olds in Norwich, by ward, 2017.

Summary

In Norfolk average levels of dental decay are lower than the average for England. Within Norfolk there are areas where there are higher than average levels of experience of dental decay. At lower-tier local authority level, children living in Great Yarmouth have the highest levels of experience of dental decay. Within Norfolk, the highest levels of experience of dental decay are clustered around the Norwich wards of Mancroft and Bowthorpe, and within the Great Yarmouth middle super output areas 005, 009 and 010.

The small sample sizes in some areas mean it is not possible to provide information at ward level. Future surveys could be commissioned to provide larger samples to facilitate local analysis. Commissioning High Quality Information to Support Oral Health Improvement: A toolkit about dental epidemiology for local authorities, commissioners and partners is available to support the commissioning of oral health surveys⁴.

Public health interventions can improve child oral health at a local level. Local authorities improving oral health: commissioning better oral health for children and young people is available to support local authorities to commission oral health improvement programmes for children and young people aged up to 19 years⁵.

If further local analysis is required, please contact the national dental public health team: DentalPHIntelligence@phe.gov.uk

References

- 1. Public Health England (2020). National Dental Epidemiology Programme for England: oral health survey of 5-year-olds 2019 [Online]. Available at: https://www.gov.uk/government/statistics/oral-health-survey-of-5-year-old-children-2019 [Accessed 29 May 2020].
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- 3. Children's services statistical neighbour benchmarking tool [online]. Available at: www.gov.uk/government/publications/local-authority-interactive-tool-lait [Accessed 29 May 2020].
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Oral Health Profile: Norfolk local authority

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/773332/Commissioning_High_Quality_Information_to_Support_Oral_Health_Improvement.pdf

5. Public Health England (2014). Local authorities improving oral health: commissioning better oral health for children and young people [Online]. Available at: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachme nt data/file/321503/CBOHMaindocumentJUNE2014.pdf

More information is available at www.gov.uk/government/collections/oral-health Please send any enquiries to DentalPHIntelligence@phe.gov.uk

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