Supplementary Table 1 Costs of vitamin D prescriptions and tests in children in primary care, by year between 2000 and 2014.

| Year | PY of follow-up | Vitamin D Prescriptions |  |  |  | Vitamin D Tests |  |  | Combined cost of vitamin D prescriptions and tests per $\mathbf{1 0 0 , 0 0 0}$ PY, $£(\mathbf{9 5 \%} \mathbf{C I})$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | n | $\begin{aligned} & \text { Rate per } 100,000 \\ & \text { PY }(95 \% \mathrm{CI}) \\ & \hline \end{aligned}$ | Mean prescription cost, $£\left(95 \%\right.$ CI) ${ }^{\text {a }}$ | $\begin{aligned} & \text { Cost per } 100,000 \\ & \text { PY, £ }(95 \% \mathrm{CI}) \\ & \hline \end{aligned}$ | n | $\begin{aligned} & \text { Rate per 100,000 } \\ & \text { PY (95\% CI) } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Cost per } 100,000 \\ & \text { PY, } £(\mathbf{~} 95 \% \mathrm{CI})^{\text {b }} \\ & \hline \end{aligned}$ |  |
| 2000 | 161,897 | 0 | 0 | - | - | 1 | $\begin{aligned} & \hline 0.62 \\ & (0.09 \text { to } 4.38) \end{aligned}$ | $\begin{aligned} & \hline 9.27 \\ & (1.31 \text { to } 65.8) \end{aligned}$ | $\begin{aligned} & \hline 9.27 \\ & (1.31 \text { to } 65.8) \end{aligned}$ |
| 2001 | 180,797 | 2 | $\begin{aligned} & 1.11 \\ & (0.28 \text { to } 4.42) \end{aligned}$ | $\begin{aligned} & 37.7 \\ & (12.3 \text { to } 63.0) \end{aligned}$ | $\begin{aligned} & 41.7 \\ & \text { (3.41 to 279) } \end{aligned}$ | 2 | $\begin{aligned} & 1.11 \\ & (0.28 \text { to } 4.42) \end{aligned}$ | $\begin{aligned} & 16.6 \\ & (4.15 \text { to } 66.3) \end{aligned}$ | $\begin{aligned} & 58.3 \\ & (7.56 \text { to } 345) \end{aligned}$ |
| 2002 | 211,593 | 0 | 0 | - | - | 2 | $\begin{aligned} & 0.95 \\ & (0.24 \text { to } 3.78) \end{aligned}$ | $\begin{aligned} & 14.2 \\ & (3.55 \text { to } 56.7) \end{aligned}$ | $\begin{aligned} & 14.2 \\ & (3.55 \text { to } 56.7) \end{aligned}$ |
| 2003 | 222,486 | 1 | $\begin{aligned} & 0.45 \\ & (0.06 \text { to } 3.19) \end{aligned}$ | $\begin{aligned} & 9.10 \\ & (9.10 \text { to } 9.10) \end{aligned}$ | $\begin{aligned} & 4.09 \\ & (0.58 \text { to } 29.0) \end{aligned}$ | 7 | $\begin{aligned} & 3.15 \\ & (1.50 \text { to } 6.60) \end{aligned}$ | $\begin{aligned} & 47.2 \\ & (22.5 \text { to } 99.0) \end{aligned}$ | $\begin{aligned} & 51.3 \\ & (23.1 \text { to } 128) \end{aligned}$ |
| 2004 | 235,500 | 4 | $\begin{aligned} & 1.70 \\ & (0.64 \text { to } 4.53) \end{aligned}$ | $\begin{aligned} & 175 \\ & (105 \text { to } 210) \end{aligned}$ | $\begin{aligned} & 297 \\ & (66.6 \text { to } 950) \end{aligned}$ | 19 | $\begin{aligned} & 8.07 \\ & (5.15 \text { to } 12.7) \end{aligned}$ | $\begin{aligned} & 121 \\ & (77.2 \text { to } 190) \end{aligned}$ | $\begin{aligned} & 418 \\ & (144 \text { to } 1140) \end{aligned}$ |
| 2005 | 244,548 | 17 | $\begin{aligned} & 6.95 \\ & (4.32 \text { to } 11.2) \end{aligned}$ | $\begin{aligned} & 455 \\ & (277 \text { to } 653) \end{aligned}$ | $\begin{aligned} & 3164 \\ & (1197 \text { to } 7299) \end{aligned}$ | 20 | $\begin{aligned} & 8.18 \\ & (5.28 \text { to } 12.7) \end{aligned}$ | $\begin{aligned} & 123 \\ & (79.1 \text { to } 190) \end{aligned}$ | $\begin{aligned} & 3286 \\ & (1276 \text { to } 7489) \end{aligned}$ |
| 2006 | 251,499 | 18 | $\begin{aligned} & 7.16 \\ & (4.51 \text { to } 11.4) \end{aligned}$ | $\begin{aligned} & 188 \\ & (156 \text { to } 210) \end{aligned}$ | $\begin{aligned} & 1349 \\ & \text { (703 to 2386) } \end{aligned}$ | 23 | $\begin{aligned} & 9.15 \\ & (6.08 \text { to } 13.8) \end{aligned}$ | $\begin{aligned} & 137 \\ & (91.2 \text { to } 206) \end{aligned}$ | $\begin{aligned} & 1486 \\ & \text { (794 to 2592) } \end{aligned}$ |
| 2007 | 257,336 | 17 | $\begin{aligned} & 6.61 \\ & (4.11 \text { to } 10.6) \end{aligned}$ | $\begin{aligned} & 156 \\ & (114 \text { to } 196) \end{aligned}$ | $\begin{aligned} & 1033 \\ & (471 \text { to 2085) } \end{aligned}$ | 44 | $\begin{aligned} & 17.1 \\ & (12.7 \text { to } 23.0) \end{aligned}$ | $\begin{aligned} & 256 \\ & (191 \text { to } 345) \end{aligned}$ | $\begin{aligned} & 1290 \\ & (662 \text { to } 2430) \end{aligned}$ |
| 2008 | 265,314 | 22 | $\begin{aligned} & 8.29 \\ & (5.46 \text { to } 12.6) \end{aligned}$ | $\begin{aligned} & 120 \\ & (71.8 \text { to } 177) \end{aligned}$ | $\begin{aligned} & 997 \\ & \text { (392 to 2227) } \end{aligned}$ | 115 | $\begin{aligned} & 43.3 \\ & (36.1 \text { to } 52.0) \end{aligned}$ | $\begin{aligned} & 650 \\ & (542 \text { to } 781) \end{aligned}$ | $\begin{aligned} & 1647 \\ & (934 \text { to } 3007 \text { ) } \end{aligned}$ |
| 2009 | 270,643 | 65 | $\begin{aligned} & 24.0 \\ & (18.8 \text { to } 30.6) \end{aligned}$ | $\begin{aligned} & 201 \\ & (136 \text { to } 285) \end{aligned}$ | $\begin{aligned} & 4818 \\ & (2563 \text { to } 8717) \end{aligned}$ | 240 | $\begin{aligned} & 88.7 \\ & (78.1 \text { to } 101) \end{aligned}$ | $\begin{aligned} & 1330 \\ & (1172 \text { to } 1510) \end{aligned}$ | $\begin{aligned} & 6148 \\ & (3735 \text { to } 10,226) \end{aligned}$ |
| 2010 | 278,167 | 106 | $\begin{aligned} & 38.1 \\ & (31.5 \text { to } 46.1) \end{aligned}$ | $\begin{aligned} & 123 \\ & (97.4 \text { to } 151) \end{aligned}$ | $\begin{aligned} & 4696 \\ & (3067 \text { to } 6983) \end{aligned}$ | 431 | $\begin{aligned} & 155 \\ & (141 \text { to } 170) \end{aligned}$ | $\begin{aligned} & 2324 \\ & (2115 \text { to } 2554) \end{aligned}$ | $\begin{aligned} & 7020 \\ & \text { (5182 to 9537) } \end{aligned}$ |
| 2011 | 284,678 | 266 | $\begin{aligned} & 93.4 \\ & (82.9 \text { to } 105) \end{aligned}$ | $\begin{aligned} & 75.9 \\ & (59.0 \text { to } 97.7) \end{aligned}$ | $\begin{aligned} & 7092 \\ & (4887 \text { to } 10,298) \end{aligned}$ | 733 | $\begin{aligned} & 257 \\ & (240 \text { to } 277) \end{aligned}$ | $\begin{aligned} & 3862 \\ & (3593 \text { to } 4152) \end{aligned}$ | $\begin{aligned} & 10,954 \\ & (8480 \text { to } 14,450) \end{aligned}$ |
| 2012 | 288,818 | 912 | $\begin{aligned} & 316 \\ & \text { (296 to 337) } \end{aligned}$ | $\begin{aligned} & 47.6 \\ & (42.1 \text { to } 53.5) \end{aligned}$ | $\begin{aligned} & 15,034 \\ & (12,448 \text { to } 18,015) \end{aligned}$ | 1385 | $\begin{aligned} & 480 \\ & (455 \text { to } 505) \end{aligned}$ | $\begin{aligned} & 7193 \\ & (6824 \text { to } 7582) \end{aligned}$ | $\begin{aligned} & 22,227 \\ & (19,272 \text { to } 25,597) \end{aligned}$ |
| 2013 | 283,990 | 1604 | $\begin{aligned} & 565 \\ & (538 \text { to } 593) \end{aligned}$ | $\begin{aligned} & 34.7 \\ & \text { (31.7 to } 38.0 \text { ) } \end{aligned}$ | $\begin{aligned} & 19,617 \\ & (17,032 \text { to } 22,548) \end{aligned}$ | 2064 | $\begin{aligned} & 727 \\ & (696 \text { to } 759) \end{aligned}$ | $\begin{aligned} & 10,902 \\ & (10,441 \text { to } 11,382) \end{aligned}$ | $\begin{aligned} & 30,519 \\ & (27,473 \text { to } 33,931) \end{aligned}$ |
| 2014 | 253,097 | 1551 | $\begin{aligned} & 613 \\ & (583 \text { to } 644) \\ & \hline \end{aligned}$ | $\begin{aligned} & 28.4 \\ & \text { (26.3 to 30.6) } \\ & \hline \end{aligned}$ | $\begin{aligned} & 17,397 \\ & (15,347 \text { to } 19,700) \end{aligned}$ | 1943 | $\begin{aligned} & 768 \\ & (734 \text { to } 803) \end{aligned}$ | $\begin{aligned} & 11,515 \\ & (11,015 \text { to } 12,039) \end{aligned}$ | $\begin{aligned} & 28,913 \\ & (26,361 \text { to } 31,739) \end{aligned}$ |

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[^0]:    $C I$ confidence interval, $P Y$ person-years.
    ${ }^{\text {a }}$ Confidence intervals around mean prescription costs were calculated using bootstrapping with the percentile method, in view of the skewed nature of the data.
    ${ }^{\mathrm{b}}$ The unit cost of a $25-\mathrm{OH}-\mathrm{D}$ test was priced at $£ 15$.

