SDC 1. The second-dose varicella vaccine coverage, by demographic characteristics and socioeconomic status, among children and adolescent 4-17 years of age who had received first dose at 12 months or older in Kaiser Permanente Southern California, 2006-2009

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sep 30th 2006 |  | Sep 30th 2007  |  | Sep 30th 2008  |  | Sep 30th 2009  |
|  | Nb  | Second Dose Coveragec(%) |  | Nb  | Second Dose Coveragec(%) |  | Nb | Second Dose Coveragec(%) |  | Nb | Second Dose Coveragec(%) |
| Overalla | 389498 | 5.0 |  | 423017 | 42.1 |  | 449963 | 63.0 |  | 476941 | 74.6 |
| Age, years |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 33959 | 8.2 |  | 35040 | 44.7 |  | 35397 | 48.8 |  | 35967 | 51.2 |
| 5 | 34620 | 5.9 |  | 34696 | 75.2 |  | 35323 | 90.4 |  | 36112 | 91.3 |
| 6 | 35456 | 4.0 |  | 34780 | 45.5 |  | 34309 | 84.5 |  | 35388 | 92.9 |
| 7 | 35892 | 3.2 |  | 35551 | 38.0 |  | 34698 | 64.6 |  | 34699 | 88.2 |
| 8 | 35979 | 3.4 |  | 36200 | 35.7 |  | 35856 | 58.0 |  | 35251 | 75.1 |
| 9 | 35888 | 3.8 |  | 36118 | 35.2 |  | 36189 | 56.1 |  | 36509 | 70.5 |
| 10-12 | 97770 | 4.7 |  | 106191 | 38.3 |  | 109776 | 58.9 |  | 112238 | 71.1 |
| 13- 15 | 59855 | 5.4 |  | 75900 | 40.3 |  | 91153 | 62.0 |  | 103977 | 73.8 |
| 16-17 | 20079 | 7.2 |  | 28541 | 35.7 |  | 37262 | 56.1 |  | 46800 | 68.8 |
| Gender |  |  |  |  |  |  |  |  |  |  |  |
| Female | 189812 | 5.0 |  | 206094 | 42.2 |  | 219177 | 63.2 |  | 232662 | 74.6 |
| Male | 199643 | 4.9 |  | 216879 | 42.1 |  | 230755 | 62.9 |  | 244245 | 74.6 |
| Race/ethnicityd |  |  |  |  |  |  |  |  |  |  |  |
| White, non-Hispanic  | 71136 | 4.0 |  | 74259 | 37.4 |  | 77043 | 58.2 |  | 79591 | 70.4 |
| Black, non-Hispanic | 34477 | 6.5 |  | 35969 | 43.7 |  | 37138 | 65.4 |  | 37812 | 77.0 |
| Hispanic | 194476 | 5.2 |  | 214317 | 45.1 |  | 229544 | 66.3 |  | 241944 | 77.4 |
| Asian, non-Hispanic | 25499 | 4.8 |  | 27902 | 44.6 |  | 30031 | 66.0 |  | 31864 | 77.2 |
| Other, non-Hispanic | 6522 | 5.3 |  | 7110 | 44.9 |  | 7794 | 63.9 |  | 8159 | 76.1 |
| Unknown | 57388 | 4.4 |  | 63460 | 35.3 |  | 68413 | 54.7 |  | 77571 | 67.8 |
| Age at the first recorded varicella vaccine |  |  |  |  |  |  |  |  |  |  |  |
| 12-15 months | 198316 | 4.7 |  | 226709 | 45.0 |  | 255131 | 66.5 |  | 286715 | 77.8 |
| >=16 months | 185236 | 5.1 |  | 189896 | 38.4 |  | 187840 | 58.2 |  | 182057 | 69.4 |
| Proportion of adults with a high school diploma in the neighborhoode |  |  |  |  |  |  |  |  |  |  |  |
| <=50%  | 72777 | 5.6 |  | 78215 | 46.5 |  | 80091 | 67.4 |  | 79956 | 78.3 |
| 50-75%  | 123596 | 5.3 |  | 133814 | 43.6 |  | 139551 | 64.8 |  | 148723 | 76.0 |
| >75%  | 192960 | 4.5 |  | 210847 | 39.5 |  | 230291 | 60.5 |  | 248223 | 72.6 |
| Neighborhood median household income,$f |  |  |  |  |  |  |  |  |  |  |  |
| 0-25,000 | 25219 | 5.5 |  | 22483 | 43.2 |  | 18490 | 63.9 |  | 12614 | 76.1 |
| 25,001-40,000 | 88058 | 5.6 |  | 88877 | 44.0 |  | 78661 | 65.3 |  | 76020 | 76.5 |
| 40,001-60,000 | 131089 | 5.1 |  | 141848 | 42.8 |  | 142808 | 63.8 |  | 144454 | 75.3 |
| 60,001,-80,000 | 82704 | 4.5 |  | 92484 | 41.4 |  | 106310 | 62.7 |  | 120503 | 74.5 |
| >80,000 | 62263 | 4.2 |  | 77184 | 39.3 |  | 103664 | 60.4 |  | 123311 | 72.6 |
| Medicaid enrolleeg |  |  |  |  |  |  |  |  |  |  |  |
| Yes | 66400 | 6.1 |  | 75616 | 48.4 |  | 83812 | 69.2 |  | 104408 | 78.4 |
| No | 323090 | 4.7 |  | 347384 | 40.7 |  | 366136 | 61.6 |  | 372492 | 73.6 |

a Total number of subjects of 4-17 years of age, who were active KPSC members on the assessment date, and had received at least one dose of varicella vaccine no earlier than 4 days before the first birthday.

b The numbers in the subgroups may not add to the total number of subjects due to missing values.

c Data columns represent percent of the subjects who had received two doses of varicella vaccine among all the subjects who had received at least one dose in each subgroup.

d Imputation was performed for missing race/ethnicity using a previously validated algorithm.

e Percentage of adults with a high school diploma in the census tract where the subject resided.

f Median household income in the census tract where the subject resided.

g Refers subjects who enrolled in any of California’s Medicaid health care programs any time during the last 12 months.