

NH Insurance Department Analysis of Child Vaccine Use in New Hampshire

February 21, 2013



Introduction

The New Hampshire Vaccine Association, a non-profit organization formed pursuant to RSA 126-Q funds a specific list of child vaccines through an assessment paid by carriers. This assessment extends to carriers providing stoploss coverage in order to use a comprehensive assessment base that includes self-funded employer accounts. The funds raised through the assessment are used to purchase vaccines in bulk to take advantage of group purchasing, better economies of scale, and improved access to vaccines for children.

In recent years the number of lives covered under the assessment base has become smaller, increasing the proportional assessment on the remaining populations. House Bill 664 under consideration during the 2013 legislative session attempts to address the assessment base by including self-funded membership. The New Hampshire Insurance Department (NHID) does not have a position on this bill.

This analysis was performed to better understand the patterns of vaccines use and membership distribution so that policymakers can be more informed as alternatives to the current assessment funding mechanism are considered. The NHID, using the New Hampshire Comprehensive Health Information System (NHCHIS), can identify vaccine use because health care providers will for an administration procedure, even when the vaccine is not invoiced.

Findings

The NHID analyzed claims and enrollment data from calendar year 2011. Only children under the age of 19 were included when reporting on vaccine use. Members covered by the NH Healthy Kids buy-in and Silver products (Harvard Pilgrim Health Care) are included in these data.

The range of procedure codes covered by the assessment is included in the table below. Among the challenges with state based insurance initiatives is that coverage does not always coincide with state borders. This means that patients insured in New Hampshire may receive services outside of the state, and even reside in another state.

The table includes the vaccines covered by the assessment, identified by current procedural terminology (CPT) codes. Codes highlighted in yellow are administration codes, indicating that a vaccine was provided, even if a vaccine was not billed to the insurance company. The remaining codes identify the vaccines that are otherwise covered by the assessment and were billed to a carrier/TPA. Certain modalities are not covered by the Vaccine Association. Data under the "Billed Services" column show the number of times the procedure code was billed to carriers and third party administrators (TPAs) for insurance coverage in New Hampshire. The remaining columns identify the total health care provider charges and allowed amounts depending on the patient and provider location. The allowed amount represents the total paid by the carrier/TPA and the patient in the form of deductibles, copayments, and coinsurance. The allowed amount is normally determined by a contract between the health care provider and the carrier/TPA. In many cases, the vaccine procedure (non-administration code) is billed to the carrier/TPA with a total charge of one cent. Therefore, calculating an average charge or payment using the data below could be misleading.

| CPT | Procedure Description | Billed Services | NH Resident -NH Provider | | NH Resident - Non NH Provider | | Non Resident - NH Provider | | Non Resident - Non NH Provider | |
|-------|-----------------------------------|-----------------|--------------------------|-------------|-------------------------------|-----------|----------------------------|----------|--------------------------------|-----------|
| | | | Charges | Allowed | Charges | Allowed | Charges | Allowed | Charges | Allowed |
| 90460 | IMADM ANY ROUTE 1ST VAC/TOX | 50,568 | \$1,607,999 | \$1,262,182 | \$363,432 | \$259,891 | \$52,407 | \$41,692 | \$567,344 | \$411,253 |
| 90461 | INADM ANY ROUTE ADDL VAC/TOX | 18,270 | \$517,508 | \$346,229 | \$140,504 | \$77,079 | \$18,059 | \$11,617 | \$235,000 | \$130,881 |
| 90471 | IMMUNIZATION ADMIN | 82,001 | \$2,096,844 | \$1,637,415 | \$178,336 | \$129,609 | \$88,884 | \$72,383 | \$244,903 | \$179,785 |
| 90472 | IMMUNIZATION ADMIN EACH ADD | 31,521 | \$876,436 | \$631,565 | \$68,814 | \$43,146 | \$33,515 | \$25,813 | \$104,053 | \$65,026 |
| 90473 | IMMUNE ADMIN ORAL/NASAL | 10,009 | \$210,296 | \$172,549 | \$19,954 | \$14,825 | \$5,343 | \$4,625 | \$22,076 | \$15,867 |
| 90474 | IMMUNE ADMIN ORAL/NASAL ADDL | 4,796 | \$86,498 | \$62,813 | \$4,805 | \$2,403 | \$3,351 | \$2,592 | \$8,251 | \$4,979 |
| 90633 | HEP A VACC PED/ADOL 2 DOSE | 10,557 | \$7,628 | \$3,173 | \$19,242 | \$12,343 | \$2,213 | \$854 | \$93,286 | \$53,560 |
| 90634 | HEP A VACC PED/ADOL 3 DOSE | 159 | \$0 | \$0 | \$151 | \$97 | \$0 | \$0 | \$1,692 | \$1,221 |
| 90636 | HEP A/HEP B VACC ADULT IM | 7 | \$216 | \$130 | \$1 | \$1 | \$221 | \$134 | \$141 | \$102 |
| 90647 | HIB VACCINE PRP-OMP IM | 214 | \$5 | \$0 | \$639 | \$504 | \$0 | \$0 | \$7,268 | \$4,559 |
| 90648 | HIB VACCINE PRP-T IM | 2,124 | \$1,320 | \$410 | \$2,323 | \$1,589 | \$1 | \$0 | \$17,204 | \$9,946 |
| 90649 | HPV VACCINE 4 VALENT IM | 6,557 | \$24,157 | \$13,768 | \$102,857 | \$75,516 | \$7,232 | \$4,954 | \$202,793 | \$154,318 |
| 90650 | HPV VACCINE 2 VALENT IM | 85 | \$1,592 | \$1,343 | \$550 | \$433 | \$637 | \$281 | \$2,074 | \$1,438 |
| 90654 | FLU VACCINE, SPLIT VRS, PRSV FREE | 2 | \$0 | \$0 | \$0 | \$0 | \$35 | \$18 | \$25 | \$13 |
| 90655 | FLU VACCINE NO PRESERV 6-35M | 5,246 | \$1,239 | \$660 | \$5,272 | \$3,408 | \$73 | \$60 | \$20,116 | \$11,521 |
| 90656 | FLU VACCINE NO PRESERV 3 & > | 10,107 | \$18,541 | \$5,878 | \$8,290 | \$3,858 | \$5,918 | \$3,195 | \$21,945 | \$11,142 |
| 90658 | FLU VACCINE 3 YRS & > IM | 6,767 | \$9,716 | \$5,588 | \$30,577 | \$20,060 | \$2,802 | \$1,971 | \$43,406 | \$25,020 |
| 90660 | FLU VACCINE NASAL | 6,848 | \$94,097 | \$1,812 | \$26,402 | \$17,807 | \$312 | \$164 | \$50,813 | \$31,005 |
| 90670 | PNEUMOCOCCAL VACC 13 VAL IM | 8,997 | \$4,500 | \$3,132 | \$28,125 | \$23,759 | \$863 | \$685 | \$292,626 | \$225,005 |
| 90680 | ROTOVIRUS VACC 3 DOSE ORAL | 5,006 | \$2,791 | \$1,555 | \$6,361 | \$4,548 | \$364 | \$259 | \$86,035 | \$62,465 |
| 90681 | ROTAVIRUS VACC 2 DOSE ORAL | 1,224 | \$3,752 | \$2,036 | \$2,590 | \$1,937 | \$0 | \$0 | \$29,539 | \$21,518 |
| 90696 | DTAP-IPV VACC 4-6 YR IM | 2,262 | \$2,009 | \$779 | \$1,459 | \$971 | \$6 | \$0 | \$13,846 | \$9,325 |
| 90698 | DTAP-HIB-IP VACCINE IM | 6,819 | \$6,857 | \$2,935 | \$9,024 | \$6,592 | \$379 | \$249 | \$110,199 | \$79,827 |
| 90700 | DTAP VACCINE < 7 YRS IM | 3,852 | \$3,420 | \$1,433 | \$2,606 | \$1,246 | \$194 | \$92 | \$30,957 | \$15,647 |
| 90702 | DT VACCINE < 7 IM | 25 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$121 | \$59 |
| 90707 | MMR VACCINE SC | 5,471 | \$5,873 | \$1,940 | \$4,415 | \$2,651 | \$1,205 | \$783 | \$54,863 | \$38,075 |
| 90710 | MMRV VACCINE SC | 665 | \$371 | \$347 | \$2,112 | \$1,634 | \$0 | \$0 | \$18,397 | \$14,090 |
| 90713 | POLIOVIRUS IPV SC/IM | 2,208 | \$3,867 | \$1,372 | \$5,256 | \$3,396 | \$534 | \$316 | \$20,195 | \$12,255 |
| 90715 | TDAP VACCINE >7 IM | 4,950 | \$18,711 | \$12,283 | \$11,803 | \$8,456 | \$14,472 | \$9,417 | \$57,025 | \$38,895 |
| 90716 | CHICKEN POX VACCINE SC | 7,172 | \$10,695 | \$6,028 | \$14,454 | \$11,265 | \$613 | \$477 | \$128,783 | \$98,207 |
| 90723 | DTAP-HEP B-IPV VACCINE IM | 938 | \$230 | \$110 | \$3,117 | \$2,222 | \$0 | \$0 | \$30,899 | \$20,998 |
| 90732 | PNEUMOCOCCAL VACCINE | 145 | \$1,429 | \$332 | \$2,006 | \$1,049 | \$1,783 | \$959 | \$2,279 | \$1,650 |
| 90733 | MENINGOCOCCAL VACCINE SC | 618 | \$6,883 | \$4,228 | \$1,810 | \$1,416 | \$4 | \$3 | \$5,842 | \$4,060 |
| 90734 | MENINGOCOCCAL VACCINE IM | 5,937 | \$20,597 | \$14,511 | \$50,986 | \$37,320 | \$2,426 | \$1,745 | \$121,657 | \$97,797 |
| 90744 | HEPB VACC PED/ADOL 3 DOSE IM | 4,493 | \$3,755 | \$1,517 | \$3,108 | \$1,535 | \$222 | \$88 | \$37,920 | \$18,352 |

= administration codes

Among the concerns related to a smaller assessment base is the number of employers that are self-funded and do not purchase stoploss. Self-funded employers without stoploss are excluded from the current assessment base, yet their employees' children benefit from the vaccine initiative. The following table includes the employer groups with the largest number of children vaccinated. The NHID has identified several issues with the NHCHIS employer group data element, and it possible that an employer account will have several data rows showing up under multiple accounts with names that differ slightly. So, it is possible that the total number of vaccinated children by group is understated. If the employer account is split under different names, the percentage of children vaccinated would most likely be similar to the extent that the population samples are similar. The NHID has made efforts to address issues inherent with a non-standardized text field in the data, but extra caution should be used while reviewing the following table.

The first three numeric columns represent the number of vaccinated children during the year. A child is only counted once, regardless of the number of vaccinations. These data show under the column that represents their insurance status. Self-Funded Only accounts are those without any indication in the NHCHIS that stoploss was purchased and are not required to contribute to the vaccine assessment. Self-Funded with Stoploss suggests that these accounts contribute to the assessment through the purchase of stoploss. Insured accounts are those regulated by state insurance laws and are included in the vaccine assessment. The number of members is the average number covered under the account, based on the number of insured member months during the year. The percent vaccinated may be slightly overstated because of the way the number of members is calculated in relation to the number vaccinated. A child vaccinated is a unique individual that may be insured for only part of the year, while the number of members is an average number of members covered throughout the year.

Due to questions about the frequency of claims submitted with a vaccine and an administration code, the NHID performed an analysis to determine the impact of these circumstances on the data presented below. Removing any encounters where the health care provider billed for both an administration code and a vaccine code at the same time, results in a 48 percent drop in the number of children included in the data below. Many of these examples have a total charge of just one cent. When encounters include a billed administration code, a vaccine, and a charge greater than fifty cents, the corresponding drop is only twelve percent. Since the NHID cannot determine the appropriateness of the billed vaccine in these circumstances, no exclusions to the data based on these criteria took place.

| Group Name | Vaccinated Children, Self-Funded Only | Vaccinated Children, Self-Funded with Stoploss | Vaccinated Children, Fully Insured | Total Employer Group Members* | Percent Vaccinated |
|----------------------------|---------------------------------------|--|------------------------------------|-------------------------------|--------------------|
| ADP TOTALSOURCE | 0 | 0 | 156 | 2,206 | 7.1% |
| AMPHENOL CORPORATION | 0 | 0 | 167 | 1,284 | 13.0% |
| ANTHEM BC BS | 135 | 0 | 0 | 847 | 15.9% |
| ATRIUM MEDICAL CORPORATION | 0 | 0 | 214 | 1,066 | 20.1% |
| AUTODESK | 182 | 0 | 0 | 742 | 24.5% |
| AWANE MA LOCATIONS | 0 | 0 | 292 | 2,297 | 12.7% |
| AWANE NH | 0 | 175 | 0 | 1,364 | 12.8% |
| AWANE SUMMIT | 482 | 0 | 0 | 5,308 | 9.1% |
| BAE SYSTEMS, INC. | 1,248 | 0 | 0 | 9,280 | 13.4% |
| BOTTOMLINE TECHNOLOGIES | 0 | 274 | 0 | 1,314 | 20.8% |
| BROOKSTONE COMPANY, INC. | 190 | 0 | 0 | 1,575 | 12.1% |

| | | | | | |
|--|-------|-------|-------|--------|-------|
| C&S WHOLESALE GROCERS, INC. | 896 | 0 | 0 | 8,159 | 11.0% |
| CATHOLIC MEDICAL CENTER | 383 | 0 | 0 | 2,908 | 13.2% |
| CHESHIRE MEDICAL CENTER | 0 | 154 | 0 | 1,340 | 11.5% |
| CITY OF CONCORD/20/HMO | 0 | 0 | 164 | 641 | 25.6% |
| CITY OF MANCHESTER | 536 | 0 | 0 | 3,276 | 16.4% |
| CITY OF NASHUA | 664 | 0 | 0 | 4,544 | 14.6% |
| COCA COLA BOTTLING COMPANY OF NNE, INC. | 384 | 0 | 0 | 2,601 | 14.8% |
| COMCAST CORPORATION | 410 | 0 | 0 | 2,487 | 16.5% |
| COMMONWEALTH OF MA/PPO | 379 | 0 | 0 | 871 | 43.5% |
| COMMONWEALTH OF MASS/PPO | 366 | 0 | 0 | 1,190 | 30.8% |
| COMMONWEALTH OF MASSACHUSETTS - GIC 0 | 156 | 0 | 0 | 1,756 | 8.9% |
| CRHC/CONCORD HOSPITAL | 732 | 0 | 0 | 4,768 | 15.4% |
| DARTMOUTH COLLEGE | 925 | 0 | 0 | 8,075 | 11.5% |
| DARTMOUTH HITCHCOCK CLINIC SOUTH | 0 | 296 | 0 | 3,297 | 9.0% |
| DARTMOUTH HITCHCOCK CLINIC SOUTH | 284 | 0 | 0 | 3,297 | 8.6% |
| DARTMOUTH HITCHCOCK MEDICAL CENTER | 0 | 1,665 | 0 | 12,424 | 13.4% |
| DELHAIZE AMERICA NORTHEAST | 263 | 0 | 0 | 2,388 | 11.0% |
| ELLIOT HEALTH SYSTEM | 809 | 0 | 0 | 4,509 | 17.9% |
| EMC | 141 | 0 | 0 | 1,375 | 10.3% |
| EXETER HEALTH RESOURCES | 0 | 608 | 0 | 3,617 | 16.8% |
| FAIRFAX, INC.-ODYSSEY RE | 0 | 191 | 0 | 619 | 30.9% |
| FAIRFAX, INC.-US FIRE | 224 | 0 | 0 | 1,776 | 12.6% |
| FAIRPOINT COMMUNICATIONS, INC. | 511 | 0 | 0 | 3,001 | 17.0% |
| FEDEX EXPRESS | 131 | 0 | 0 | 989 | 13.3% |
| FIDELITY INVESTMENTS | 1,336 | 0 | 0 | 5,417 | 24.7% |
| FREUDENBERG | 148 | 0 | 0 | 1,426 | 10.4% |
| FRISBIE MEMORIAL HOSPITAL | 0 | 204 | 0 | 1,483 | 13.8% |
| GENERAL ELECTRIC | 156 | 0 | 0 | 3,923 | 4.0% |
| GENESIS HEALTHCARE LLC | 184 | 0 | 0 | 1,718 | 10.7% |
| HCA | 201 | 0 | 0 | 1,291 | 15.6% |
| HEWLETT PACKARD | 138 | 0 | 0 | 1,945 | 7.1% |
| HOME DEPOT USA, INC. | 137 | 0 | 0 | 1,303 | 10.5% |
| HYPERTHERM, INC. | 352 | 0 | 0 | 2,293 | 15.4% |
| INDIVIDUAL POLICIES | 0 | 0 | 3,102 | 35,710 | 8.7% |
| JOHN HANCOCK FINANCIAL NETWORK | 0 | 0 | 373 | 3,342 | 11.2% |
| L-3 COMMUNICATIONS CORPORATION | 151 | 0 | 0 | 1,129 | 13.4% |
| LGC HEALTH TRUST CITY OF PORTSMOUTH | 265 | 0 | 0 | 914 | 29.0% |
| LGC HEALTH TRUST MERRIMACK COUNTY | 135 | 0 | 0 | 1,009 | 13.4% |
| LGC HEALTH TRUST MERRIMACK SCHOOL | 186 | 0 | 0 | 844 | 22.0% |
| LGC HEALTH TRUST ROCHESTER SCHOOL DISTRICT | 180 | 0 | 0 | 656 | 27.4% |
| LGC HEALTH TRUST SAU 01 | 182 | 0 | 0 | 741 | 24.6% |
| LGC HEALTH TRUST SAU 10 | 198 | 0 | 0 | 563 | 35.2% |
| LGC HEALTH TRUST SAU 16 | 305 | 0 | 0 | 797 | 38.3% |
| LGC HEALTH TRUST SAU 19 | 147 | 0 | 0 | 527 | 27.9% |
| LGC HEALTH TRUST SAU 21 | 160 | 0 | 0 | 589 | 27.2% |
| LGC HEALTH TRUST SAU 25 | 311 | 0 | 0 | 825 | 37.7% |
| LGC HEALTH TRUST SAU 28 | 180 | 0 | 0 | 603 | 29.8% |
| LGC HEALTH TRUST SAU 29 | 224 | 0 | 0 | 916 | 24.5% |
| LGC HEALTH TRUST SAU 39 | 144 | 0 | 0 | 550 | 26.2% |
| LGC HEALTH TRUST SAU 48 | 131 | 0 | 0 | 510 | 25.7% |
| LGC HEALTH TRUST SAU 55 | 228 | 0 | 0 | 839 | 27.2% |
| LGC HEALTH TRUST SAU 57 | 150 | 0 | 0 | 597 | 25.1% |
| LGC HEALTH TRUST UNDER 100 POOL | 814 | 0 | 0 | 5,415 | 15.0% |
| LINDT & SPRUNGLI USA | 0 | 0 | 131 | 816 | 16.1% |
| LRGHEALTHCARE | 0 | 280 | 0 | 2,405 | 11.6% |
| MANCHESTER SCHOOL DIST | 647 | 0 | 0 | 4,241 | 15.3% |
| MEASURED PROGRESS, INC. | 0 | 0 | 168 | 1,001 | 16.8% |
| MILTON CAT INC | 0 | 283 | 0 | 1,676 | 16.9% |
| NGM INSURANCE COMPANY | 0 | 173 | 0 | 1,625 | 10.6% |
| NH HEALTHY KIDS BUY IN | 0 | 0 | 456 | 771 | 59.2% |
| NH HEALTHY KIDS SILVER | 0 | 0 | 4,801 | 8,681 | 55.3% |
| NH MUNICIPAL ASSOCIATION | 5,098 | 0 | 0 | 42,105 | 12.1% |
| NHMTA EMPLOYEE BENEFIT TRUST | 152 | 0 | 0 | 1,626 | 9.3% |

| | | | | | |
|-------------------------------------|--------|-------|--------|---------|-------|
| NMB (USA), INC. | 0 | 0 | 190 | 1,899 | 10.0% |
| NORTHEAST UTILITIES SERVICE COMPANY | 432 | 0 | 0 | 3,640 | 11.9% |
| NORTHERN NEW ENGLAND BENEFIT TRUST | 1,528 | 0 | 0 | 10,985 | 13.9% |
| OCEAN INVESTMENTS CORPORATION | 0 | 0 | 148 | 1,176 | 12.6% |
| ODYSSEY REINSURANCE COMPANY | 0 | 195 | 0 | 621 | 31.4% |
| PC CONNECTION, INC. | 306 | 0 | 0 | 1,764 | 17.3% |
| RBSELECT HEALTHPLAN | 232 | 0 | 0 | 1,662 | 14.0% |
| SALIENT SURGICAL TECHNOLOGIES, INC. | 168 | 0 | 0 | 734 | 22.9% |
| SCHOOLCARE | 2,092 | 0 | 0 | 31,858 | 6.6% |
| SHAWS - SUPERVALU INC | 229 | 0 | 0 | 2,166 | 10.6% |
| SNHMC PPO HRA | 524 | 0 | 0 | 3,139 | 16.7% |
| SOUTHERN NH UNIVERSITY | 0 | 0 | 161 | 1,190 | 13.5% |
| ST JOSEPH HEALTHCARE | 0 | 300 | 0 | 2,086 | 14.4% |
| STANDEX INTERNATIONAL CORPORATION | 245 | 0 | 0 | 3,466 | 7.1% |
| STATE OF NEW HAMPSHIRE | 3,688 | 0 | 0 | 31,942 | 11.5% |
| TD BANK, N.A. | 248 | 0 | 0 | 1,796 | 13.8% |
| THE TIMBERLAND COMPANY | 0 | 456 | 0 | 2,348 | 19.4% |
| TOMTOM, INC. | 0 | 0 | 156 | 1,043 | 15.0% |
| U.S. FIRE INSURANCE CO. | 219 | 0 | 0 | 358 | 61.2% |
| USNH AAUP HMO2 | 0 | 0 | 194 | 1,092 | 17.8% |
| USNH NON UNION HMO1 | 0 | 0 | 822 | 6,124 | 13.4% |
| VELCRO USA INC. | 0 | 138 | 0 | 1,233 | 11.2% |
| WASTE MANAGEMENT HOLDINGS, INC. | 176 | 0 | 0 | 1,056 | 16.7% |
| WENTWORTH-DOUGLASS HOSPITAL | 0 | 395 | 0 | 2,645 | 14.9% |
| TOTALS | 33,158 | 5,787 | 11,695 | 366,032 | 13.8% |

* Membership is derived from total member months divided by 12.

The following table shows a breakdown of the number of vaccinated children by age group. A child is only counted once, regardless of the number of vaccinations. Member age is as of December 31, 2011.

| Coverage Type | Total Vaccinated Members | Male | | Female | | Male | | Female | | Male | | Female | | Unknown |
|------------------------------|--------------------------|--------|--------|---------|---------|---------|---------|----------|----------|-----------|-----------|--------|-----|---------|
| | | <2 yrs | <2 Yrs | 2-4 Yrs | 2-4 Yrs | 5-6 Yrs | 5-6 Yrs | 7-12 Yrs | 7-12 Yrs | 13-18 Yrs | 13-18 Yrs | | | |
| Admin Services Only | 39,254 | 2,559 | 2,430 | 3,503 | 3,370 | 2,157 | 2,112 | 5,944 | 5,742 | 5,372 | 5,885 | | 201 | |
| Admin Services with Stoploss | 10,470 | 782 | 777 | 993 | 909 | 599 | 575 | 1,497 | 1,460 | 1,309 | 1,454 | | 129 | |
| Other | 71 | 2 | 1 | 7 | 8 | 3 | 1 | 14 | 9 | 13 | 12 | | 1 | |
| Short Term | 22 | 3 | 1 | 3 | 1 | 0 | 0 | 4 | 4 | 3 | 3 | | 0 | |
| Underwritten | 40,256 | 2,444 | 2,354 | 3,665 | 3,465 | 2,242 | 2,201 | 6,019 | 5,997 | 5,300 | 5,963 | | 642 | |
| Totals | 90,073 | 5,790 | 5,563 | 8,171 | 7,753 | 5,001 | 4,889 | 13,478 | 13,212 | 11,997 | 13,317 | | 973 | |

The following table shows the distribution of members by insurance status and the percent of those members receiving vaccinations as children. Children vaccinated multiple times during the year are only counted once. Total membership includes both adults and children. Insurance coverage is abbreviated as: self-funded without stoploss (ASO), self-funded with stoploss (ASW), and fully insured (UND). In most cases, carriers/TPAs with substantial market share have similar vaccination rates. Harvard Pilgrim Health Care (including Health Plans, Inc.) is an exception, with higher rates than average under both ASO and fully insured products. This may be partially due to the inclusion of Healthy Kids populations.

| Company | Percent of Membership - Child Vaccinations | | | | Total Membership | | | |
|---------------------------------|--|-------|-------|-------|------------------|--------|---------|-------|
| | ASO | ASW | UND | Other | ASO | ASW | UND | Other |
| Aetna | 13.6% | 13.2% | 10.2% | | 32,167 | 10,168 | 4,980 | 0 |
| American Republic Insurance | | | 3.5% | | 0 | 0 | 116 | 0 |
| Anthem - NH | 12.0% | 13.4% | 10.9% | | 132,152 | 22,895 | 146,998 | 0 |
| CIGNA | 12.9% | 13.1% | 11.5% | | 112,470 | 16,537 | 27,336 | 0 |
| CoreSource | | 2.6% | | | 34 | 78 | 0 | 0 |
| EBPA Benefits, LLC | | 1.9% | | | 0 | 483 | 0 | 0 |
| Group Insurance Service Center | | 5.2% | | | 4 | 937 | 0 | 0 |
| Harrington Health Services | 7.0% | | | | 400 | 0 | 0 | 0 |
| Harvard Pilgrim Health Care | 16.7% | 12.0% | 18.3% | | 25,023 | 29,601 | 86,955 | 0 |
| HealthSmart Benefits Solutions | | | | 14.9% | 6 | 1 | 0 | 214 |
| Humana Insurance Company | 3.6% | | 2.5% | | 28 | 4 | 159 | 0 |
| MVP | | | 12.0% | | 0 | 0 | 19,264 | 0 |
| New Hampshire Health Plan | | | | 1.4% | 0 | 0 | 0 | 2,375 |
| MEGA Life and Health Insurance | | | 0.8% | | 0 | 0 | 778 | 0 |
| Time Insurance Company | | | 1.1% | | 0 | 0 | 2,396 | 0 |
| Tufts Insurance Company | 0.3% | 5.5% | 12.2% | | 6,406 | 128 | 11,092 | 0 |
| UMR | | 4.4% | | | 0 | 1,349 | 0 | 0 |
| UltraBenefits | | 4.5% | | | 0 | 1,644 | 0 | 0 |
| UniCare Life & Health Insurance | 8.9% | | | | 1,756 | 0 | 2 | 0 |
| UnitedHealthcare | | | 9.3% | | 0 | 0 | 6,790 | 0 |
| Totals | 12.6% | 12.4% | 13.0% | 2.5% | 310,445 | 83,826 | 306,865 | 2,590 |

The following two tables report on the number of billed vaccination administrations and the number of child members by carrier. In many cases, a child will receive, and the health care provider will bill for multiple vaccines.

| Company | Billed Vaccinations (Administration Only) | | | | Child Members | | | |
|-------------------------------------|---|-------|--------|-------|---------------|-------|--------|-------|
| | ASO | ASW | UND | Other | ASO | ASW | UND | Other |
| Aetna | 9,876 | 3,018 | 1,067 | 0 | 7,847 | 2,472 | 882 | 0 |
| American Republic Insurance Company | 0 | 0 | 6 | 0 | 0 | 0 | 7 | 0 |
| Anthem - NH | 35,549 | 7,814 | 37,468 | 0 | 29,668 | 5,486 | 28,305 | 0 |
| CIGNA | 30,232 | 5,433 | 6,900 | 0 | 26,830 | 4,148 | 6,224 | 0 |
| CoreSource Inc | 5 | 10 | 0 | 0 | 4 | 8 | 0 | 0 |
| EBPA Benefits, LLC | 0 | 16 | 0 | 0 | 0 | 15 | 0 | 0 |
| Group Insurance Service Center, Inc | 0 | 92 | 0 | 0 | 1 | 209 | 0 | 0 |
| Harrington Health Services Inc | 73 | 0 | 0 | 0 | 68 | 0 | 0 | 0 |
| Harvard Pilgrim Health Care | 9,530 | 8,188 | 31,018 | 0 | 6,459 | 6,250 | 27,113 | 0 |
| HealthSmart Benefits Solutions, Inc | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 47 |
| Humana Insurance Company | 4 | 0 | 6 | 0 | 3 | 0 | 8 | 0 |

| | | | | | | | | |
|-------------------------------------|-----|-----|-------|----|-------|-----|-------|----|
| MVP | 0 | 0 | 5,299 | 0 | 0 | 0 | 4,295 | 0 |
| New Hampshire Health Plan (c/o Bene | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 73 |
| The MEGA Life and Health Insurance | 0 | 0 | 9 | 0 | 0 | 0 | 77 | 0 |
| Time Insurance Company | 0 | 0 | 63 | 0 | 0 | 0 | 441 | 0 |
| Tufts Insurance Company | 25 | 0 | 3,342 | 0 | 1,789 | 31 | 2,885 | 0 |
| UMR- (Formerly Fiserv Health Plan A | 0 | 88 | 0 | 0 | 0 | 309 | 0 | 0 |
| UltraBenefits Inc | 0 | 225 | 0 | 0 | 0 | 303 | 0 | 0 |
| UniCare Life & Health Insurance Com | 317 | 0 | 0 | 0 | 277 | 0 | 0 | 0 |
| UnitedHealthcare | 0 | 0 | 1,459 | 0 | 0 | 0 | 1,627 | 0 |

The following table shows the number of billed vaccinations as a percent of the child members, and child members as a percent of company totals.

| Company | Billed Vaccinations as a Percent of Child Members | | | | Child Members as a Percent of Total Members | | | |
|-------------------------------------|---|------|------|-------|---|-----|-----|-------|
| | ASO | ASW | UND | Other | ASO | ASW | UND | Other |
| Aetna | 126% | 122% | 121% | 0% | 24% | 24% | 18% | 0% |
| American Republic Insurance Company | 0% | 0% | 88% | 0% | 0% | 0% | 6% | 0% |
| Anthem - NH | 120% | 142% | 132% | 0% | 22% | 24% | 19% | 0% |
| CIGNA | 113% | 131% | 111% | 0% | 24% | 25% | 23% | 0% |
| CoreSource Inc | 125% | 133% | 0% | 0% | 12% | 10% | 0% | 0% |
| EBPA Benefits, LLC | 0% | 107% | 0% | 0% | 0% | 3% | 0% | 0% |
| Group Insurance Service Center, Inc | 0% | 44% | 0% | 0% | 25% | 22% | 0% | 0% |
| Harrington Health Services Inc | 108% | 0% | 0% | 0% | 17% | 0% | 0% | 0% |
| Harvard Pilgrim HC | 148% | 131% | 114% | 0% | 26% | 21% | 31% | 0% |
| HealthSmart Benefits Solutions, Inc | 0% | 0% | 0% | 123% | 0% | 0% | 0% | 22% |
| Humana Insurance Company | 126% | 0% | 75% | 0% | 11% | 9% | 5% | 0% |
| MVP | 0% | 0% | 123% | 0% | 0% | 0% | 22% | 0% |
| New Hampshire Health Plan (c/o Bene | 0% | 0% | 0% | 90% | 0% | 0% | 0% | 3% |
| The MEGA Life and Health Insurance | 0% | 0% | 12% | 0% | 0% | 0% | 10% | 0% |
| Time Insurance Company | 0% | 0% | 14% | 0% | 0% | 0% | 18% | 0% |
| Tufts Insurance Company | 1% | 0% | 116% | 0% | 28% | 24% | 26% | 0% |
| UMR- (Formerly Fiserv Health Plan A | 0% | 29% | 0% | 0% | 0% | 23% | 0% | 0% |
| UltraBenefits Inc | 0% | 74% | 0% | 0% | 0% | 18% | 0% | 0% |
| UniCare Life & Health Insurance Com | 115% | 0% | 0% | 0% | 16% | 0% | 0% | 0% |
| UnitedHealthcare | 0% | 0% | 90% | 0% | 0% | 0% | 24% | 0% |

The following table shows the number of child members receiving vaccinations depending on where the member lives and where the provider is located. There are substantial numbers of NH residents obtaining vaccines outside of NH, but relatively few non-residents receiving vaccinations from NH providers.

| Company | Coverage | NH Residents Vaccinated in: | | | | | Non-NH Residents Vaccinated in NH From: | | | | Total Child Vaccinations | Total Child Members |
|--------------------------------|----------|-----------------------------|-----|-----|-----|-------|---|----|-----|-------|--------------------------|---------------------|
| | | NH | ME | MA | VT | Other | ME | MA | VT | Other | | |
| Aetna | ASO | 4,046 | 32 | 306 | 45 | 37 | 8 | | 1 | | 4,478 | 9,352 |
| | ASW | 1,194 | 7 | 107 | 1 | 4 | 2 | | | | 1,318 | 3,157 |
| | UND | 351 | 11 | 37 | 5 | 15 | 3 | 1 | | | 463 | 1,428 |
| American Republic Ins | UND | 2 | | 1 | | 1 | | | | | 4 | 9 |
| Anthem - NH | ASO | 13,839 | 71 | 146 | 104 | 308 | 54 | 63 | 257 | 58 | 15,916 | 34,303 |
| | ASW | 2,111 | 14 | 2 | 72 | 58 | 4 | 18 | 347 | 3 | 3,110 | 6,846 |
| | STN | 19 | | | | 4 | | | | | 23 | |
| | UND | 11,998 | 125 | 86 | 84 | 767 | 60 | 69 | 91 | 83 | 15,734 | 38,220 |
| CIGNA | ASO | 10,853 | 301 | 752 | 140 | 886 | 24 | 39 | 71 | 25 | 16,013 | 32,453 |
| | ASW | 124 | 1 | 14 | 4 | 6 | 7 | 7 | 4 | 10 | 956 | 5,500 |
| | OTH | 2 | | | | | | | | | 2 | |
| | UND | 1,425 | 43 | 167 | 24 | 128 | 10 | 8 | 20 | 17 | 3,096 | 7,689 |
| CoreSource Inc | ASO | | | | | | | | | | | 4 |
| | ASW | 2 | | | | | | | | | 2 | 16 |
| | UND | | | | | 1 | | | | | 1 | |
| EBPA Benefits, LLC | ASW | 7 | | | | | 1 | | | | 10 | 15 |
| Golden Rule Insurance | UND | | | | | | | | | | | 13 |
| Group Insurance Service Center | ASO | | | | | | | | | | | 1 |
| | ASW | 36 | 3 | | 3 | | | | 1 | | 49 | 303 |
| Harrington Health Services Inc | ASO | 24 | 1 | 3 | | | | | | | 28 | 94 |
| Harvard Pilgrim HC | ASO | 3,625 | 23 | 372 | 32 | 4 | 19 | 26 | 20 | 2 | 4,219 | 7,445 |
| | ASW | 3,025 | 48 | 150 | 20 | 19 | 32 | 17 | 13 | 35 | 3,559 | 8,308 |
| | STN | 5 | | 1 | | | | | | | 6 | |
| | UND | 13,437 | 66 | 893 | 109 | 11 | 32 | 41 | 20 | 52 | 15,731 | 37,249 |
| HealthSmart Benefits Solutions | OTH | 20 | 1 | 11 | | | | | | | 32 | 49 |
| Humana Insurance Company | ASO | | | | | 1 | | | | | 1 | 10 |
| | ASW | | | | | | | | | | | 1 |
| | UND | 3 | | | | 1 | | | | | 4 | 15 |
| John Alden Life Insurance | STN | | | | | | | | | | | 177 |
| | UND | | | | | | | | | | | 77 |
| MVP | UND | 1,890 | 3 | 44 | 44 | 11 | 6 | 10 | 17 | 15 | 2,305 | 6,126 |
| New Hampshire Health Plan | OTH | 36 | | | | | | | | | 36 | 121 |
| Guardian Life Insurance | UND | | | | | | | | | | | 6 |
| MEGA Life and Health Insurance | UND | 5 | | | | | | | | | 6 | 162 |
| Time Insurance Company | ASO | | | | | | 1 | | | | 1 | |
| | STN | | | | | | | | | | | 489 |
| | UND | 24 | | | | 2 | 4 | | | | 30 | 655 |
| Tufts Insurance Company | ASO | 17 | | 3 | | | 1 | | | | 21 | 1,997 |

| | | | | | | | | | | | | | |
|---------------------------------|-----|--------|-----|-------|-----|-------|---|-----|-----|-------|-------|--------|--------|
| | ASW | 3 | | | | | | | | | 3 | 37 | |
| | UND | 914 | 416 | 5 | | 1 | | | | 1,343 | 3,928 | | |
| UMR | ASW | 54 | 2 | 3 | 1 | | 1 | | | | 61 | 399 | |
| UltraBenefits Inc | ASW | 59 | 2 | 3 | 2 | | | | | | 82 | 500 | |
| UniCare Life & Health Insurance | ASO | 76 | 80 | | | 2 | | | | 159 | 324 | | |
| UnitedHealthcare | ASO | 11 | 4 | | 1 | | 5 | | | | 21 | 3,763 | |
| | ASW | 1 | | | | | 1 | | | | 2 | | |
| | STN | 2 | | | | | | | | | 2 | | |
| | UND | 424 | 5 | 69 | 1 | 12 | | 30 | 4 | | 635 | 2,379 | |
| Totals | ASO | 32,415 | 428 | 1,586 | 321 | 1,237 | | 112 | 128 | 349 | 85 | 40,698 | 89,422 |
| | ASW | 6,616 | 77 | 279 | 102 | 88 | | 48 | 42 | 365 | 48 | 9,152 | 25,082 |
| | STN | 26 | | 1 | | 4 | | | | | | 31 | 666 |
| | UND | 30,473 | 253 | 1,713 | 267 | 954 | | 146 | 133 | 148 | 167 | 39,352 | 97,956 |

Comments or questions should be directed to the NH Insurance Department's Health Policy Analyst:
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