

Pediatric Preventive Care Cost, Estimated US Average, 2005, by Patient Age,
 according to *Recommendations for Preventive Pediatric Health Care (RE9939)* and
Recommended Childhood and Adolescent Immunization Schedule, US, 2005

| Patient Age | Not-at-risk Patients | | | | | At-risk Patients | | | | |
|-------------|-------------------------------|-----------------------------|---------------------------|--------------------|-----------------------------------|-------------------------------|-----------------------------|---------------------------|--------------------|-----------------------------------|
| | Preventive Visit ^a | Screening Test ^b | Immunization ^c | Total ^b | Total w/o Vaccines ^{b,d} | Preventive Visit ^a | Screening Test ^e | Immunization ^c | Total ^e | Total w/o Vaccines ^{d,e} |
| 0 | \$668 ^f | \$48 | \$620 | \$1,336 | \$887 | \$668 ^f | \$75 | \$620 | \$1,363 | \$914 |
| 1 | \$286 ^f | \$0 | \$340 | \$626 | \$368 | \$286 ^f | \$27 | \$340 | \$653 | \$395 |
| 2 | \$95 | \$0 | \$0 | \$95 | \$95 | \$95 | \$49 | \$26 | \$170 | \$156 |
| 3 | \$95 | \$0 | \$0 | \$95 | \$95 | \$95 | \$32 | \$26 | \$153 | \$139 |
| 4 | \$95 | \$33 | \$39 | \$168 | \$140 | \$95 | \$32 | \$66 | \$193 | \$151 |
| 5 | \$95 | \$36 | \$38 | \$170 | \$142 | \$95 | \$68 | \$65 | \$228 | \$186 |
| 6 | \$95 | \$33 | \$38 | \$167 | \$139 | \$95 | \$61 | \$65 | \$221 | \$180 |
| 7 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$26 | \$26 | \$12 |
| 8 | \$95 | \$33 | \$0 | \$128 | \$128 | \$95 | \$61 | \$26 | \$183 | \$169 |
| 9 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$26 | \$26 | \$12 |
| 10 | \$95 | \$33 | \$0 | \$128 | \$128 | \$95 | \$61 | \$26 | \$183 | \$169 |
| 11 | \$95 | \$0 | \$14 | \$110 | \$101 | \$95 | \$28 | \$40 | \$164 | \$142 |
| 12 | \$95 | \$33 | \$14 | \$143 | \$134 | \$95 | \$61 | \$40 | \$197 | \$175 |
| 13 | \$95 | \$0 | \$0 | \$95 | \$95 | \$95 | \$28 | \$26 | \$150 | \$136 |
| 14 | \$95 | \$0 | \$0 | \$95 | \$95 | \$95 | \$28 | \$26 | \$150 | \$136 |
| 15 | \$95 | \$33 | \$0 | \$128 | \$128 | \$95 | \$61 | \$26 | \$183 | \$169 |
| 16 | \$95 | \$0 | \$0 | \$95 | \$95 | \$95 | \$28 | \$26 | \$150 | \$136 |
| 17 | \$95 | \$0 | \$0 | \$95 | \$95 | \$95 | \$28 | \$26 | \$150 | \$136 |
| 18 | \$95 | \$33 | \$0 | \$128 | \$128 | \$95 | \$61 | \$26 | \$183 | \$169 |

Notes: Cost estimates are based on (1) frequency of preventive visit and type of screening test by patient age according to the AAP's *Recommendations for Preventive Pediatric Health Care (RE9939)* (URL: <http://www.aap.org/policy/periodicity.pdf>), (2) vaccination schedule according to *Recommended Childhood and Adolescent Immunization Schedule, United States, 2005* (URL: <http://www.cispimmunize.org/LZSchedule.pdf>), and *Immunization Costs – ACIP/AAP/FAAP Immunization Schedule, Jan-Dec 2005*; updated 09/20/2005. Estimates do not include vision screening or developmental testing. Costs are rounded to the nearest dollar.

- ^a Unit cost based on US average for commercial plans calculated by 2002 Pediatric Medical Cost Model published by the AAP (URL: <http://www.aap.org/research/pedmedcostmodel.cfm>), and adjusted for medical care services inflation as measured by Medical Care Services Consumer Price Index for US City Averages.
- ^b Add \$3.03 for Urinalysis for sexually active patients age 11 or older, and \$3.31 for Hematocrit/ Hemoglobin for sexually active females ages 11 through 21.
- ^c Vaccine costs are based on lowest prices available for private sector purchase published by the CDC. Costs for vaccinations recommended over an age range (for example, a single dose of MMR between age 3 through 5) are averaged for each year.
- ^d Assumes vaccine provided by state or VFC at zero cost to patient and provider.
- ^e Add (i) \$3.03 for urinalysis, and (ii) \$70.6 for STD Screening for sexually active patients age 11 or older. Add \$3.31 for Hematocrit/Hemoglobin for sexually active females ages 11 through 21. Add \$40.17 for obtaining Pap smear for sexually active females age 18. Cost estimate does not include Pneumococcal polysaccharide vaccine (PPV), which is recommended in addition to PCV for certain high-risk-groups. See *MMWR* 2000; 49(RR-9): 1-35.
- ^f The AAP's *Recommendations for Preventive Pediatric Health Care (RE9939)* includes seven and three well-baby visits for infants and one-year-olds, respectively.

To be continued.

Continued.

Unit Cost of Screening Test⁹

| Test: | Unit Cost: | Source / Code |
|----------------------------------|------------|---|
| Hearing Test (Objective) | \$32.15 | AAP Pediatric Medical Cost Model ^a |
| Hereditary / Metabolic Screening | \$11.83 | 2005 Medicare Clinical Diagnostic Laboratory Fee Schedule / 80048, National Limit amount |
| Hematocrit/Hemoglobin | \$3.31 | 2005 Medicare Clinical Diagnostic Laboratory Fee Schedule / 85014-8, National Limit amount |
| Urinalysis | \$3.03 | 2005 Medicare Clinical Diagnostic Laboratory Fee Schedule / 81005, National Limit amount |
| Lead screening | \$16.91 | 2005 Medicare Clinical Diagnostic Laboratory Fee Schedule / 83655, National Limit amount |
| TB Test | \$10.45 | Medicare Resource-Based Relative Value Scale (RBRVS): Mantoux (PPD) test for TB / 86580 |
| Cholesterol Screening | \$18.19 | 2005 Medicare Clinical Diagnostic Laboratory Fee Schedule / 80061, national average |
| STD Screening | \$70.62 | 2005 Medicare Clinical Diagnostic Laboratory Fee Schedule / 86689, ,86696, 86631, National Limit amount |
| Obtaining screen Pap smear | \$40.17 | 2005 Medicare RBRVS / Q0091 |

^a Unit cost based on US average for commercial plans calculated by 2002 Pediatric Medical Cost Model published by the AAP (URL: <http://www.aap.org/research/pedmedcostmodel.cfm>), and adjusted for medical care services inflation as measured by Medical Care services Consumer Price Index for US City Averages.

⁹ Frequency and type of screening test are based on the AAP's Recommendations for Preventive Pediatric Health Care (RE9939)

Sources:

AAP analysis of the following:

AAP Recommendations for Preventive Pediatric Health Care (RE9939) (URL: <http://www.aap.org/policy/periodicity.pdf>)

Recommended Childhood and Adolescent Immunization Schedule, United States, 2005 (URL: <http://www.cispimmunize.org/IZSchedule.pdf>)

Immunization Costs – ACIP/AAP/FAAP Immunization Schedule, Jan-Dec 2005; updated 09/20/2005.

2002 AAP Pediatric Medical Cost Model (URL: <http://www.aap.org/research/pedmedcostmodel.cfm>)

Medical Care Services Consumer Price Index for US City Averages (Series ID: CUUR0000SAM,CUUS0000SAM)

2005 Medicare RBRVS

2005 Medicare Clinical Diagnostic Laboratory Fee Schedule

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