

Supplementary Table 1. Algorithm used to determine whether child had received age-appropriate number of pneumococcal conjugate vaccine (PCV) doses at time of submitting nasopharyngeal swab<sup>a</sup>

If child age at time of culture date (months):	Then age-appropriately vaccinated if received:
3	1 PCV dose
4	$\geq 1$ PCV doses
5	2 PCV doses
6	$\geq 2$ PCV doses
7–12	3 PCV doses
12–15	$\geq 3$ PCV doses, if first dose at age $\leq 6$ months $\geq 2$ PCV doses, if first dose at age 7–12 months $\geq 1$ PCV doses, if first dose at age $\geq 12$ months
16–23	4 PCV doses, if first dose at age $\leq 6$ months and 1 dose was received at $\geq 12$ months $\geq 3$ PCV doses, if first dose at age 7–12 months and 1 dose was received at $\geq 12$ months $\geq 2$ doses PCV doses at $\geq 1$ year of age
$\geq 24$	4 PCV doses, if first dose at age $\leq 6$ months and 1 dose was received at $\geq 12$ months $\geq 3$ PCV doses, if first dose at age 7–11 months and 1 dose was received at $\geq 12$ months $\geq 2$ PCV doses at $\geq 1$ years of age $\geq 1$ PCV doses at $\geq 2$ years of age

<sup>a</sup> Based on the Advisory Committee on Immunization Practices recommendations.