

**Table S1.** Breakdown of CAP, pCAP, and PCV13 pCAP cases in hospitalized adults by laboratory tests performed by age.

Category	Age (years)	ssUAD	BC	SC	All <sup>1</sup>	Any <sup>2</sup>
Tested/CAP cases (%)	16-49	<b>46.3</b> (521/1125)	<b>74.3</b> (836/1125)	<b>42.8</b> (482/1125)	<b>21.0</b> (236/1125)	<b>84.1</b> (946/1125)
	50-64	<b>48.9</b> (914/1871)	<b>71.3</b> (1334/1871)	<b>39.1</b> (731/1871)	<b>19.5</b> (365/1871)	<b>86.9</b> (1626/1871)
	65-74	<b>45.1</b> (834/1851)	<b>61.7</b> (1142/1851)	<b>34.5</b> (638/1851)	<b>14.0</b> (260/1851)	<b>79.1</b> (1465/1851)
	75-84	<b>36.3</b> (784/2158)	<b>68.3</b> (1474/2158)	<b>32.7</b> (605/2158)	<b>10.9</b> (236/2158)	<b>72.0</b> (1553/2158)
	85+	<b>28.8</b> (517/1797)	<b>48.6</b> (874/1797)	<b>20.6</b> (371/1797)	<b>5.6</b> (101/1797)	<b>62.0</b> (1115/1797)
	65+	<b>36.8</b> (2135/5806)	<b>55.9</b> (3244/5806)	<b>27.8</b> (1614/5806)	<b>10.3</b> (597/5806)	<b>70.6</b> (4099/5806)
	50+	<b>39.7</b> (3049/7677)	<b>59.5</b> (4569/7677)	<b>30.5</b> (2345/7677)	<b>12.5</b> (962/7677)	<b>74.5</b> (5723/7677)
	All ages (16+)	<b>40.6</b> (3570/8802)	<b>61.4</b> (5405/8802)	<b>32.1</b> (2827/8802)	<b>13.6</b> (1198/8802)	<b>75.7</b> (6666/8802)
	pCAP(%)	16-49	<b>14.0</b> (73/521)	<b>12.3</b> (103/836)	<b>10.6</b> (51/482)	<b>20.8</b> (49/236)
50-64		<b>11.1</b> (101/914)	<b>9.2</b> (123/1334)	<b>7.3</b> (53/731)	<b>21.1</b> (77/365)	<b>15.7</b> (256/1626)
65-74		<b>8.6</b> (72/834)	<b>5.7</b> (65/1142)	<b>8.5</b> (54/638)	<b>18.5</b> (48/260)	<b>12.0</b> (176/1465)
75-84		<b>5.6</b> (44/784)	<b>3.7</b> (54/1474)	<b>6.6</b> (40/605)	<b>11.9</b> (28/236)	<b>9.1</b> (142/1553)
85+		<b>3.3</b> (17/517)	<b>4.1</b> (36/874)	<b>4.0</b> (15/371)	<b>9.9</b> (10/101)	<b>6.5</b> (73/1115)
65+		<b>6.2</b> (133/2135)	<b>4.8</b> (155/3244)	<b>6.8</b> (109/1614)	<b>14.4</b> (86/597)	<b>9.5</b> (391/4099)
50+		<b>7.7</b> (234/3049)	<b>6.1</b> (278/4569)	<b>6.9</b> (162/2345)	<b>16.9</b> (163/962)	<b>11.3</b> (647/5723)
All ages (16+)		<b>8.6</b> (308/3570)	<b>7.0</b> (381/5405)	<b>7.0</b> (200/2827)	<b>17.7</b> (212/1198)	<b>12.5</b> (830/6666)

Specimen available for serotyping	<b>16-49</b>	<b>100.0</b>	<b>82.5</b>	<b>25.5</b>	<b>79.6</b>	<b>76.6</b>
		(73/73)	(85/103)	(13/51)	(39/49)	(141/184)
	<b>50-64</b>	<b>100.0</b>	<b>75.6</b>	<b>41.5</b>	<b>80.5</b>	<b>77.7</b>
		(101/101)	(93/123)	(22/53)	(62/77)	(199/256)
	<b>65-74</b>	<b>100.0</b>	<b>73.8</b>	<b>53.7</b>	<b>83.3</b>	<b>71.0</b>
		(72/72)	(48/65)	(29/54)	(40/48)	(125/176)
	<b>75-84</b>	<b>100.0</b>	<b>74.1</b>	<b>27.5</b>	<b>78.6</b>	<b>61.3</b>
		(44/44)	(40/54)	(11/40)	(22/28)	(87/142)
	<b>85+</b>	<b>100.0</b>	<b>75.0</b>	<b>20.0</b>	<b>40.0</b>	<b>61.6</b>
	(17/17)	(27/36)	(3/15)	(4/10)	(45/73)	
<b>65+</b>	<b>100.0</b>	<b>74.2</b>	<b>44.0</b>	<b>76.7</b>	<b>65.7</b>	
	(133/133)	(115/155)	(48/109)	(66/86)	(257/391)	
<b>50+</b>	<b>100.0</b>	<b>74.8</b>	<b>46.9</b>	<b>78.5</b>	<b>69.7</b>	
	(234/234)	(208/278)	(76/162)	(128/163)	(451/647)	
<b>All ages (16+)</b>	<b>100.0</b>	<b>76.9</b>	<b>48.5</b>	<b>78.8</b>	<b>71.6</b>	
	(308/308)	(293/381)	(97/200)	(167/212)	(594/830)	
PCV13 (%) <sup>3</sup>	<b>16-49</b>	<b>100.0</b>	<b>68.2</b>	<b>69.2</b>	<b>94.9</b>	<b>75.9</b>
		(73/73)	(58/85)	(9/13)	(37/39)	(107/141)
	<b>50-64</b>	<b>100.0</b>	<b>57.0</b>	<b>63.6</b>	<b>69.4</b>	<b>69.3</b>
		(101/101)	(53/93)	(14/22)	(43/62)	(138/199)
	<b>65-74</b>	<b>100.0</b>	<b>54.2</b>	<b>44.8</b>	<b>80.0</b>	<b>68.8</b>
		(72/72)	(26/48)	(13/29)	(32/40)	(86/125)
	<b>75-84</b>	<b>100.0</b>	<b>50.0</b>	<b>72.7</b>	<b>72.7</b>	<b>71.3</b>
		(44/44)	(20/40)	(8/11)	(16/22)	(62/87)
	<b>85+</b>	<b>100.0</b>	<b>44.4</b>	<b>0.0</b>	<b>100.0</b>	<b>55.6</b>
	(17/17)	(12/27)	(0/3)	(4/4)	(25/45)	
<b>65+</b>	<b>100.0</b>	<b>50.4</b>	<b>47.9</b>	<b>78.8</b>	<b>68.4</b>	
	(133/133)	(58/115)	(23/48)	(52/66)	(173/253)	
<b>50+</b>	<b>100.0</b>	<b>53.4</b>	<b>53.9</b>	<b>75.0</b>	<b>68.8</b>	
	(234/234)	(111/208)	(41/76)	(96/128)	(311/452)	
<b>All ages (16+)</b>	<b>100.0</b>	<b>57.7</b>	<b>51.5</b>	<b>79.0</b>	<b>70.4</b>	
	(308/308)	(169/293)	(52/97)	(132/167)	(418/594)	

<sup>1</sup>CAP cases where ssUAD, BC and SC were performed. <sup>2</sup>CAP cases where ssUAD, BC, or SC were performed. Abbreviations: blood culture (BC); community acquired pneumonia (CAP); pneumococcal CAP (pCAP); urine antigen detection (UAD); PCV13 serotype-specific urine antigen detection (ssUAD); 13-valent pneumococcal conjugate (PCV13).