Table S1: Operationalization of the PrePSS-score parameters after weighting of the parameters

Parameter	Score
(1) Guideline-conform sequential pneumococcal vaccination	Range 0-3
<ul> <li>PCV-13 and PSV-23, correct sequence and intervals<sup>1</sup></li> </ul>	3
<ul> <li>PCV-13 and PSV-23, altered sequence or intervals</li> </ul>	2
■ Only PCV-13 or PSV-23	1
No pneumococcal vaccination	0
(2) Guideline-conform meningococcal vaccination	Range 0-3
<ul> <li>Men-ACWY and Men-B complete primary immunization<sup>2</sup></li> </ul>	3
<ul> <li>Men-ACWY and Men-B incomplete primary immunization</li> </ul>	2
■ Men-ACWY or Men-B	1
No meningococcal vaccination	0
(3) Handing-over and carrying a medical alert card	Range 0-2
<ul> <li>Medical alert card handed out, permanently carried along (e.g. in purse)</li> </ul>	2
<ul> <li>Medical alert card handed out but not permanently carried along</li> </ul>	1
No medical alert card handed out	0
(4) Stand by-antibiotic prescribed and available ('pill in the pocket')	Range 0-2
<ul> <li>Stand by-antibiotic prescribed, antibiotic permanently available (24 h/7 d)</li> </ul>	2
<ul> <li>Stand by-antibiotic prescribed, antibiotic not permanently available</li> </ul>	1
<ul> <li>No stand by-antibiotic prescribed</li> </ul>	0
Total PrePSS-score [Range]	0-10

<sup>&</sup>lt;sup>1</sup>13-valent conjugate vaccine PCV-13 (Prevenar-13<sup>®</sup>) after ≥2 months followed by 23-valent polysaccharide vaccine PSV-23 (Pneumovax<sup>®</sup>)

<sup>&</sup>lt;sup>2</sup> Tetravalent meningococcal conjugate vaccination Men-ACWY (Menveo®, Nimenrix®), two doses at least two months apart; meningococcal serotype B vaccine Men-B (Bexsero® [two doses] or Trumenba® [three doses]).

Figure S1: PrePSS-score stratified by the intensity of the physician-centered intervention

