

**Incidence of Hospitalisation and Emergency Department
Visits for Pneumococcal Disease in Children, Adolescents,
and Adults in Liguria, Italy:
A Retrospective Analysis From 2012–2018**

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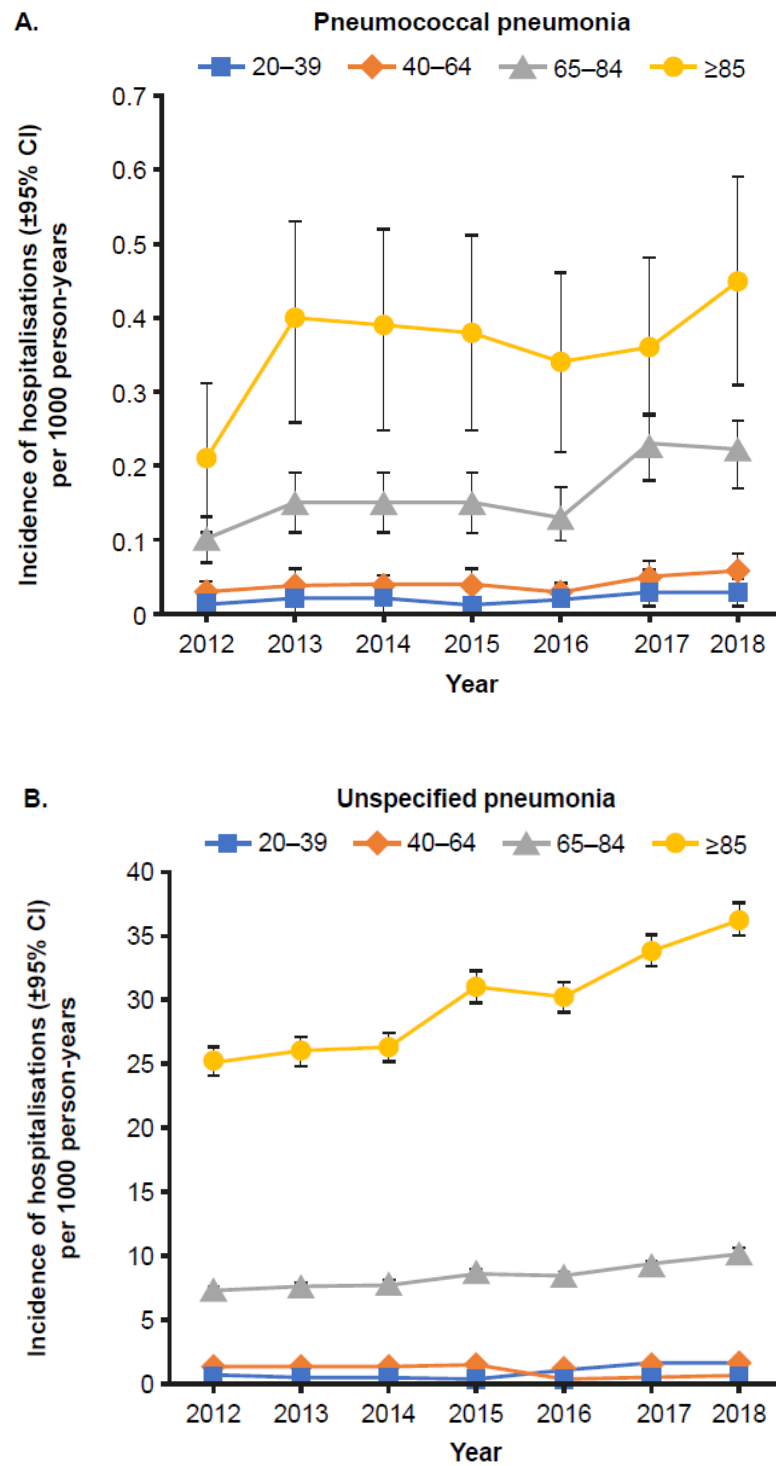
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Table S1. Search terms and diagnoses of IPD and pneumonia used to identify episodes all patients in Liguria, Italy (2012–2018)

Diagnosis	Description	ICD-9-CM codes
	Pneumococcal pneumonia	481
Pneumonia (specified or all-cause)	Pneumococcal infection and bacterial pneumonia, bronchopneumonia or organism unspecified pneumonia	041.2 and 482.9, 485, or 486
	Viral pneumonia	480.0-480.3, 480.8, or 480.9
	Pneumonia due to other specified organism	483.0, 483.1, or 483.8
Pneumonia (all-cause)	Pneumonia in infectious diseases classified elsewhere	484.1, 484.3, or 484.5-484.8
	Influenza with pneumonia	487.0
Pneumonia (unspecified or all-cause)	Unspecified bacterial pneumonia, bronchopneumonia or pneumonia	482.9, 485, or 486
	Pneumococcal septicaemia	038.2
	Pneumococcal infection and bacteraemia or septicaemia	041.2 and 790.7, 038.9, or 038.0
	Pneumococcal meningitis	320.1
	Pneumococcal infection and meningitis	041.2 and 320.2, 320.82, 320.9, or 322.9
	Pneumococcal infection and empyema or pleural effusion	041.2 and 510.9, 511.1, or 511.9
IPD		038.2
	Bacteraemic pneumonia: pneumococcal-specific	038.0 and 041.2 038.9 and 041.2 790.7 and 041.2
	Bacteraemic pneumonia: pneumococcal-unspecific	038.0 038.9 790.7
AOM		382.x

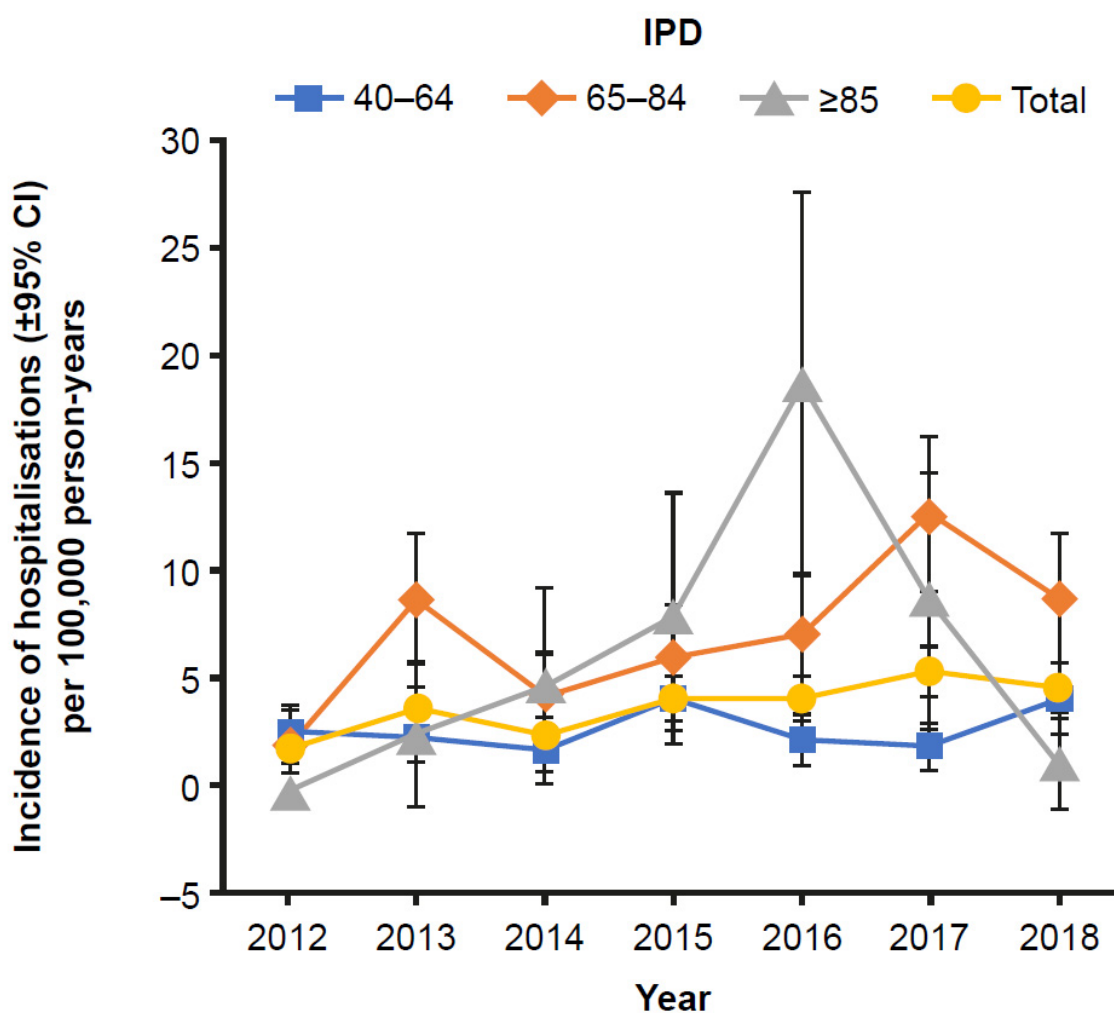
AOM: acute otitis media; ICD-9-CM: International Classification of Diseases, Ninth Revision, Clinical Modification;
IPD: invasive pneumococcal disease.

Figure S1. Age-stratified annual incidence of (A) unspecified pneumonia and (B) pneumococcal pneumonia in adolescents and adults ≥ 15 years of age following the introduction of PCV13 in Liguria, Italy (2012–2018)



CI: confidence interval; PCV13: 13-valent pneumococcal conjugate vaccine.

Figure S2. Age-stratified annual incidence of IPD in adolescents and adults ≥ 15 years of age following the introduction of PCV13 in Liguria, Italy (2012–2018)



CI: confidence interval; IPD: invasive pneumococcal disease; PCV13: 13-valent pneumococcal conjugate vaccine.