

Public Health England



England (UK)

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Public Health England (PHE)

General information - England

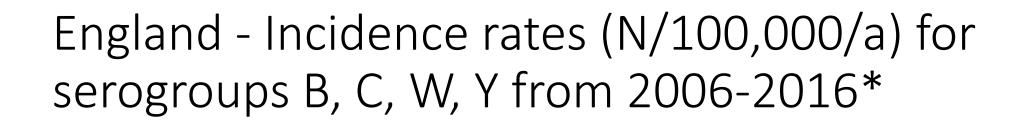
Population size	Category	54.8 million (= 84% of UK's populatio
Structure of surveillance	Statutory notification of disease	Yes
of meningococcal disease		Yes
	Centralized Laboratory Surveillance	Yes
NRL: repertoire of typing	Serogroup / genogroup	Yes culture & non-culture
targets	PorA antigen sequence typing	Yes culture & non-culture
	FetA antigen sequence typing	Yes culture only
	Vaccine Antigen sequence typing (e.g. fhbp)	Yes culture & non-culture
	Antibiotic resistance gene typing	Yes culture only
	MLST (7 loci)	Yes culture only
	Genome sequencing	Yes culture only
Meningococcal vaccine recommendation	Polysaccharide vaccines (not conjugated)	Νο
	MenC conjugate	YES UK imm schedule at 12M only
	MenACWY conjugate	YES teenage booster (13/14Y) & catch-up
	Protein vaccines targeting MenB	YES Imm schedule (2,4 and 12M) & risk groups
Uptake of Men WY vaccines	estimated % per target group size	ACWY 36% for 1st targeted group*

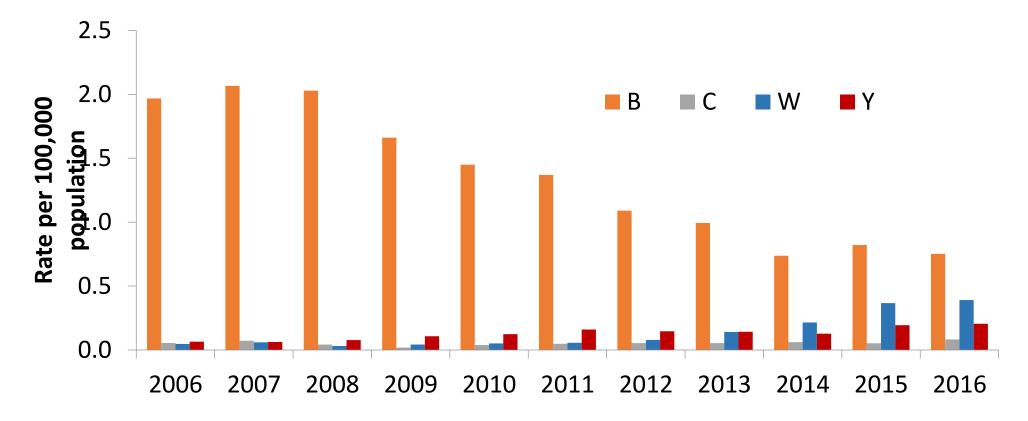
Basic numbers for 2015



No of reported cases of invasive meningococcal disease * (incidence rate)	N=796 (1.5 /100,000)		
Proportion of reported cases of invasive meningococcal disease, whose strains or samples were processed at NRL (=laboratory surveillance coverage of reported cases)	100 %		
MenW			
no of cases,	N=201		
incidence rate,	0.4 /100,000		
% of all cases	25 %		
MenY			
• no of cases,	N=106		
incidence rate,	0.2/100,000		
% of all cases	13%		

* please use ECDC case definition

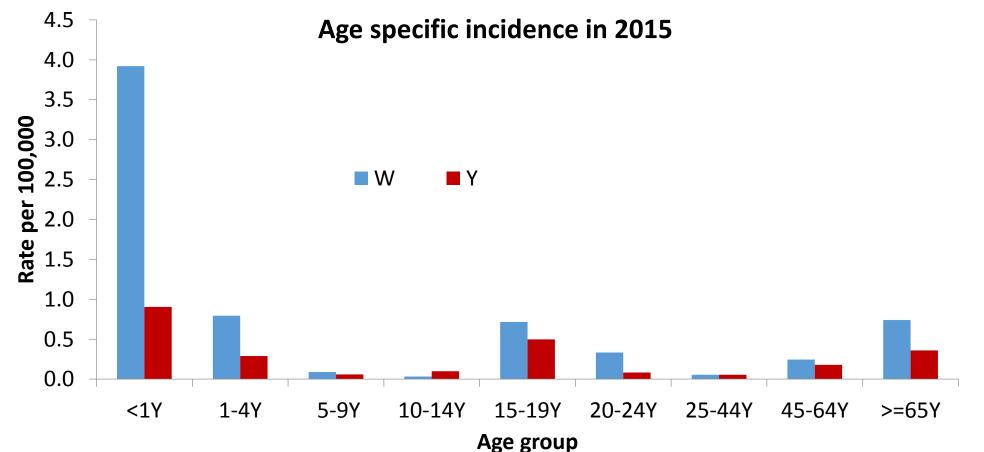


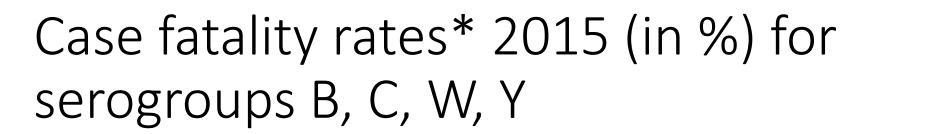


*calculated annual incidence based on 37 weeks of data in 2016

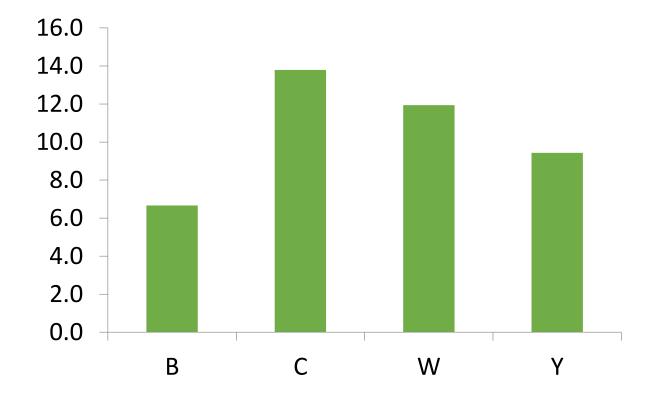
England -Age specific incidence rates 2015 and/or 2016 (N/100,000 of age group/a) for serogroups W and Y











*Based on those with IMD certified as an underlying cause of death in ONS records

Sequence typing of MenW in 2015 and / or 2016



Year	2015 & 2016
Dominant variant according to the typing method used	P1.5,2: F1-1: ST-11 (cc11)
Dominant variant according to the typing method used, in % of all MenW cases	80% (220/276; cultures only; 5 not determined)
cc11 in % of all serogroup W cases	94.3% (265/281 cultures only)

Outbreaks caused by serogroups W and Y 2012 – 2016, England



	MenW	MenY
Number of outbreaks or clusters	Probable 5 (checked by WGS), Possible 12 ¹	2
Total number of patients involved	Probable Total = 10 Median 2, Range 2-7.	Total = 6, Range 2-4
Settings	Probable ² Nursing home (2), Ambulance (1), Local Geog. (1), Wider Geog. (1)	Social group (1), Geog. (1)

¹PossibleIncidents additionally includes family (2), nursing home (1) schools (1), university (2) local geography (1); where cases range <1 to 186 days, Patient ages 26d to 95 yrs. ²Probable cases <1 to 8 days apart.