ESP CASE DETECTION ALGORITHM
Pelvic Inflammatory Disease

Document Version 2.2

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Modification History

Version	Date	Modification	By
2.2	10/11/2017	Added ESP Logo and MDPH branding	DPM
2.1	7/5/2017	Placed onto new algorithm template	DPM
2.0	4/17/2014	PID detection changes	
1.0	3/29/2007	Initial Draft	ESP Working Group

1. Overview

The purpose of this document is to describe the criteria used to identify Pelvic Inflammatory Disease in MDPHnet data.

2. Criteria used to identify cases using ESP data

I. CASE CRITERIA

Cases are defined as meeting both following criteria:
1. Positive laboratory test for chlamydia or gonorrhea, AND
2. An ICD-9/IDC-10 diagnosis codes for PID within 28 days before or 7 to 28 days after the positive laboratory test (see section 4, I.)

3. Specifications for reporting diseases/conditions to the Massachusetts Department of Public Health (MDPH)

I. DATA TO INCLUDE IN REPORTS TO MDPH

Demographic

Name	Last, first, middle
Date of birth	yyyy/mm/dd
Age	
Social security number	
Gender	Male / Female
Race	American Indian / Asian / Black / White / Other / Unknown
Ethnicity	Hispanic / Non-Hispanic / Unknown
Marital Status	Single / Married / Other, Unknown
Address	Line 1, line 2, city, state, zip, country
Phone	xxx-xxx-xxxx
Language spoken	
Medical record number	
PCP	Name, office address, phone number, email

Facility Information

Facility name	
Facility address	Line 1, line 2, city, state, zip
Facility contact person	
Contact person email	

Contact person phone	xxx-xxx-xxxx
Facility phone	xxx-xxx-xxxx

Encounter data

Test ordering clinician	Name, office address, phone number, email
Treating clinician	Name, office address, phone number, email

Clinical Information

Primary Diagnosis	Pelvic Inflammatory Disease
Secondary Diagnosis	Gonorrhea and/or Chlamydia
Date of diagnosis (date of first ICD9 code for PID)	yyyy/mm/dd
LOINC codes of Chlamydia test done	LOINC
Date of Chlamydia test	yyyy/mm/dd
Result of Chlamydia test	SNOMED
LOINC codes of Gonorrhea test done	LOINC
Date of Gonorrhea test	yyyy/mm/dd
Result of Gonorrhea test	SNOMED
Pregnancy status	If EpicCare pregnancy flag active then pregnancy = yes
Expected date of confinement	= EDC
Number of weeks pregnant	= 40 – [(EDC – present date) /7
PID type	Report PID ICD9 code and interpretation 614.0 acute salpingitis and oophoritis 614.2 salpingitis and oophoritis not specified as acute, subacute or chronic 614.3 acute parametritis and pelvic cellulites 614.5 acute or unspecified pelvic peritonitis, female 614.9 PID, unspecified 099.56 Chlamydia trachomatis infection of peritoneum
Adequate treatment given (yes or no)	Treatment = yes if any of the following medications on the "PID med list" (see below) prescribed within 30 days following or preceeding the first PID ICD9 code date and continuing for a duration of ≥7 days
Date of treatment	yyyy/mm/dd
Treatment particulars	• Report all of the drugs from list below given within 30 days (following or preceding) the positive ICD9 code for PID • Report drug name, dose, route, duration PID meds list: ampicillin-sulbactam amoxicillin-clavulinic acid clindamycin levofloxacin ciprofloxacin

	ofloxacin
	cefotetan
	cefoxitin
	ceftriaxone
	cefotaxime
	cefitizoxine
	doxycycline
	gentamicin
	metronidazole
	azithromycin

4. *Codes, laboratory tests, and medications used to identify criteria listed in Sections 2 and 3.*

I. DIAGNOSIS CODES USED TO IDENTIFY PELVIC INFLAMMATORY DISEASE

PID	ICD-9	614.0	acute salpingitis and oophoritis
		614.2	salpingitis and oophoritis not specified as acute, subacute or chronic
		614.3	acute parametritis and pelvic cellulites
		614.5	acute or unspecified pelvic peritonitis, female
		614.9	PID, unspecified
Chlamydia	ICD-9	099.56	Chlamydia trachomatis infection of peritoneum

5. *Supplemental Information*

I. TEST SCENARIOS

PID diagnosis May 1st, Chlamydia positive lab May 8th
= PID case created, = Chlamydia case created

PID diagnosis May 1st, Chlamydia positive lab May 6th
= **NO** PID case created, = Chlamydia case created

PID diagnosis May 1st, Chlamydia positive lab May 29th
= NO PID case created, = Chlamydia case created

Reporting: if there are no labs associated with PID diagnosis, add a dummy lab to the case report