ESP CASE DETECTION ALGORITHM
Depression

Document Version 2.11

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Modification History

Version	Date	Modification	By
2.11	10/11/2017	Added ESP logo and MDPH branding	DPM
2.1	6/30/2017	Transferred to new algorithm template	DPM
2.0	9/26/2016		
1.0	11/4/2014		

1. Overview

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

2. Criteria used to identify cases using ESP data

I. CASE CRITERIA

One or more ICD codes for depression in the past year AND
Prescription for an antidepressant within 60 days before or after the code.

II. ICD-9/ICD-10 CODES FOR CASE CRITERIA

Depressive disorders	ICD-9	296.2	Major depressive disorder, single episode
		296.3	Major depressive disorder, recurrent episode
		296.82	Atypical depressive disorder
		300.4	Dysthymic disorder (includes depression with anxiety, depressive reaction, reactive depression, neurotic depressive state)
		301.12	Chronic depressive personality disorder
		308.0	Acute reaction to major stress with depressive symptoms
		309.0-309.1	Brief depressive reaction
		309.28	Adjustment disorder with mixed anxiety and depressed mood
		311	Depressive disorder, not elsewhere classified
		V79.0	Special screening for depression
		648.4	Mental disorders complicating pregnancy, childbirth or the puerperium
	ICD-10	F32.	Major depressive disorder, single episode
		F33.	Major depressive disorder, recurrent
		F34.1	Dysthymic disorder
		F43.21	Adjustment disorder with depressed mood
		F43.23	Adjustment disorder with mixed anxiety and depressed mood
		F06.31-F06.32	Mood disorder due to known physiological condition with depressive features
		F53.0	Mild mental and behavioral disorders associated with the puerperium, not elsewhere classified: Includes: postnatal depression NOS postpartum depression NOS

III.   MEDICATIONS FOR CASE CRITERIA

Heterocyclic Compounds	Amitryptyline
	Clomipramine
	Desipramine
	Doxepin
	Imipramine
	Nortriptyline
	Protriptyline
	Amoxapine
	Trimipramine
	Maprotiline
MAO Inhibitors	Isocarboxazid
	Phenelzine
	Selegiline
	Tranylcypromine
SSRIs	Citalopram
	Escitalopram
	Fluoxetine
	Fluvoxamine
	Paroxetine
	Sertraline
SNRIs	Desvenlafaxine
	Duloxetine
	Venlafaxine
	Levomilnacipran
Other	Bupropion
	Mirtazapine
	Trazodone
	Nefazodone

IV.   TIME WINDOW

Criteria for ending designation of current depression: At least 1 year without any depression-related from the date of the most recent ICD9/10 codes or prescriptions (new or renewal). Declassify at the first encounter without a depression-related ICD9/10 code or prescription after the 1 year period has elapsed.

V.   OUTPUTS
   A.   Add to ESPnet to condition tables

B. Add to MPDHnet list of queriable conditions in user interface
C. Add to GenPop, RiskScape, and TrimTracker reports

VI. **MDPHNET REPORT**
    A. Generate custom SQL for an MDPHnet report
    B. Count of all patients with ≥1 encounter within the past two years
    C. Count of all patients with active depression during the past year
    D. Count of patients with active depression during the past year and ≥1 diagnosis code for cancer within the past year (ICD9's 140-209 or ICD10 C00-C97)
    E. Stratify by PWTF community, sex, 10 year age-group, and race-ethnicity