Appendix 3 (as supplied by the authors): Definitions of mental disorder covariates

Covariate	Definition
Substance abuse	**A woman was considered to have a substance use disorder if 5 years prior to the birth of the child she had:** 1) one or more hospitalizations with a diagnosis for alcohol or drug psychoses, alcohol or drug dependence, or nondependent abuse of drugs (ICD-9-CM codes 291, 292, 303, 304, 305, ICD-10-CM codes: F10-F19 and F55) **OR** 2) one or more physician visits with a diagnosis for alcohol or drug psychoses, alcohol or drug dependence, or nondependent abuse of drugs using the same ICD-9-CM codes listed above.
Personality Disorder	**A women was considered to have a personality disorders if in the five years prior to giving birth to the child she had the following:** 1) one or more hospitalizations with a diagnosis of personality disorder (ICD-9-CM code 301 or ICD-10- CA codes F34.0, F60, F61, F62, F68.1, F68.8, or F69) **OR** 2) one or more physician visits with a diagnosis of personality disorder: (ICD-9-CM code 301)

Mood & Anxiety Disorder	**A women was considered to have mood or anxiety disorder if in the five years prior to giving birth to the child she had the following:**
	   1) one or more hospitalizations with a diagnosis for depressive disorder, affective psychoses, neurotic depression or adjustment reaction: ICD-9-CM codes 296.1-296.8, 300.4, 309 or 311; ICD-10-CA codes F31, F32, F33, F34.1, F38.0, F38.1, F41.2, F43.1, F43.2, F43.8, F53.0, F93.0 or with a diagnosis for an anxiety state, phobic disorders or obsessive-compulsive disorders: ICD-9-CM codes 300.0, 300.2, 300.3, 300.7; ICD-10-CA codes F40, F41.0, F41.1, F41.3, F41.8, F41.9, F42, F45.2; **OR**
	   2) one or more hospitalizations with a diagnosis for anxiety disorders: ICD-9-CM code 300; ICD-10-CA codes F32, F34.1, F40, F41, F42, F44, F45.0, F45.1, F45.2, F48, F68.0, or F99 AND one or more prescriptions for an antidepressant or mood stabilizer, including medications with the ATC codes N05AN01, N05BA, N06A; **OR**
	   3) one or more physician visits with a diagnosis for depressive disorder or affective psychoses: ICD-9-CM codes 296, 311; **OR**
	   4) one or more physician visits with a diagnosis for anxiety disorders: ICD-9-CM code 300 AND one or more prescriptions for an antidepressant or mood stabilizer, including medications with the ATC codes N05AN01, N05BA, N06A; **OR**
	5) three or more physician visits with a diagnosis for anxiety disorders or adjustment reaction: ICD-9-CM code 300, 309

Prenatal psychological distress	**A woman was considered to have prenatal psychological distress if in the eight months prior to giving birth she had:** 1) one or more hospitalizations with a diagnosis for depressive disorder, affective psychoses, neurotic depression, or adjustment reaction (ICD–9–CM codes 296.2–296.8, 300.4, 309, 311; ICD–10–CA codes F31, F32, F33, F341, F38.0, F38.1, F41.2, F43.1, F43.2, F43.8,F53.0, F93.0) **OR** 2) one or more physician visits with a diagnosis for depressive disorder, affective psychoses, neurotic depression, or adjustment reaction (ICD–9–CM codes 296, 309 or 311) **OR** 3) one or more hospitalizations with a diagnosis for anxiety disorders (ICD-9-CM code 300l ICD-10-CD codes F32.0, F34.1, F40, F41, F42, F44, F45.0, F451, F452, F48, F68.0, F99) **OR** 4) one or more prescriptions for an antidepressant or mood stabilizer (ATC codes N03AB02, N03AB52, N03AF01, N05AN01, N06A) **OR** 5) one or more physician visits with a diagnosis of anxiety disorders one or more physician visits with a diagnosis for anxiety disorders (ICD–9–CM code 300) and one or more prescriptions for an antidepressant or mood stabilizer (ATC codes N03AB02, N03AB52, N03AF01, N05AN01, N06A) **OR** 6) one or more hospitalizations with a diagnosis for anxiety states, phobic disorders, or

	obsessive–compulsive disorders (ICD–9–CM codes 300.0, 300.2, 300.3; ICD–10–CA codes F40, F41.0, F41.1, F41.3, F41.8, F41.9, F42) OR 7) two or more physician visits with a diagnosis for anxiety disorders (ICD--CM code 300)
Postnatal psychological distress	**A woman was considered to have postnatal psychological distress if in the 12 months prior to giving birth she had:** 1) one or more hospitalizations with a diagnosis for depressive disorder, affective psychoses, neurotic depression, or adjustment reaction (ICD–9–CM codes 296.2–296.8, 300.4, 309, 311; ICD–10–CA codes F31, F32, F33, F341, F38.0, F38.1, F41.2, F43.1, F43.2, F43.8,F53.0, F93.0) **OR** 2) one or more physician visits with a diagnosis for depressive disorder, affective psychoses, neurotic depression, or adjustment reaction (ICD–9–CM codes 296, 309 or 311) **OR** 3) one or more hospitalizations with a diagnosis for anxiety disorders (ICD-9-CM code 300l ICD-10-CD codes F32.0, F34.1, F40, F41, F42, F44, F45.0, F451, F452, F48, F68.0, F99) **OR** 4) one or more prescriptions for an antidepressant or mood stabilizer (ATC codes N03AB02, N03AB52, N03AF01, N05AN01, N06A) **OR** 5) one or more physician visits with a diagnosis of anxiety disorders one or more physician visits with a diagnosis for anxiety disorders (ICD–9–CM code 300) and one or more prescriptions for an antidepressant or mood stabilizer (ATC codes N03AB02, N03AB52, N03AF01, N05AN01, N06A) **OR** 6) one or more hospitalizations with a diagnosis for anxiety states, phobic disorders, or obsessive–compulsive disorders (ICD–9–CM codes 300.0, 300.2, 300.3; ICD–10–CA codes F40, F41.0, F41.1, F41.3, F41.8, F41.9, F42) OR 7) two or more physician visits with a diagnosis for anxiety disorders (ICD--CM code 300)
Schizophrenia	**A women was considered to have schizophrenia if in the five years prior to giving birth to the child she had:** 1) one or more hospitalizations or physician visits with a diagnosis of schizophrenia: ICD-9-CM code 295 or ICD-10-CA codes F20, F21, F23.2, F25; **OR** one or more physician visits with a diagnosis of schizophrenia: ICD-9-CM code 295.