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Factors Associated with Follow-Up Mental Health Care After Psychiatric Hospitalization Among Medicaid-Enrolled Children and Youth

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Methods for identifying pregnancy within Medicaid claims were adapted from Ailes et al. (2023). The following steps were taken:

1. Downloaded the Excel code book from Ailes et al. (2023) for identifying pregnancies and filtered the codes down to ICD-10, CPT, and HCPCS codes, as these were the code types available within the data used for this study.
2. Filtered the codes down to “Mothers Codes” and excluded “Infant Codes.”
3. Reviewed all remaining codes and dropped the codes that do not clearly indicate pregnancy on their own (i.e., some codes would need to be used in conjunction with Infant Codes or other data to which this study did not have access in order to confirm pregnancy).
4. With the list of remaining codes, diagnosis and procedure code lists were created and used to identify pregnancy-related claims in the Medicaid claims dataset. See Table 1 and Table 2 for code lists.
5. A binary indicator was then created to identify children and youth with one or more pregnancy-related claims during the 12 months prior to psychiatric hospitalization. The resulting indicator captured pregnancies resulting in live birth, spontaneous abortion, induced abortion, ectopic pregnancy, stillbirth, and pregnancies involving both live birth and stillbirth.

Table 1. Diagnosis Codes for Identifying Pregnancy in Medicaid Claims (Mothers Codes only)

Z370	O481	O0339	O0481	O0739	Z3A01	Z3A27	10903ZC	10D07Z8
Z371	O000	O034	O0482	O074	Z3A08	Z3A28	10904ZC	10D17ZZ
Z372	O001	O035	O0483	O083	Z3A09	Z3A29	10907ZC	10D18ZZ
Z373	O002	O036	O0484	O30101	Z3A10	Z3A30	10908ZC	10D27ZZ
Z374	O008	O037	O0485	O30102	Z3A11	Z3A31	10A00ZZ	10D28ZZ
Z375	O009	O0380	O0486	O30103	Z3A12	Z3A32	10A03ZZ	10E0XZZ
Z3750	O010	O0381	O0487	O30201	Z3A13	Z3A33	10A04ZZ	10J07ZZ
Z3751	O011	O0382	O0488	O30202	Z3A14	Z3A34	10A07Z6	10S07ZZ
Z3752	O019	O0383	O0489	O30203	Z3A15	Z3A35	10A07ZW	10S0XZZ
Z3753	O020	O0384	O070	O3111X0	Z3A16	Z3A36	10A07ZX	10T20ZZ
Z3754	O021	O0385	O071	O364XX0	Z3A17	Z3A37	10A07ZZ	10T23ZZ
Z3759	O030	O0386	O0730	O364XX1	Z3A18	Z3A38	10A08ZZ	10T24ZZ
Z376	O031	O0387	O0731	O364XX2	Z3A19	Z3A39	10D00Z0	10T27ZZ
Z3760	O032	O0388	O0732	O364XX3	Z3A20	Z3A40	10D00Z1	10T28ZZ
Z3761	O0330	O0389	O0733	O364XX4	Z3A21	Z3A41	10D00Z2	3E030VJ
Z3762	O0331	O039	O0734	O364XX5	Z3A22	Z3A42	10D07Z3	3E033VJ
Z3763	O0332	O045	O0735	O364XX9	Z3A23	Z3A49	10D07Z4	3E040VJ
Z3764	O0333	O046	O0736	O80	Z3A24	0U7C7ZZ	10D07Z5	3E043VJ
Z3769	O0334	O047	O0737	O82	Z3A25	0W8NXZZ	10D07Z6	
Z377	O0337	O0480	O0738	Z332	Z3A26	10900ZC	10D07Z7	

Table 2. Procedure Codes for Identifying Pregnancy in Medicaid Claims (Mothers Codes only)

01965	59409	59622	59855
01966	59410	59812	59856
59100	59412	59820	59857
59120	59414	59821	88016
59121	59514	59830	S0199
59130	59515	59840	S2260
59135	59525	59841	S2262
59136	59612	59850	S2265
59140	59614	59851	S2266
59150	59620	59852	S2267