Supplemental material

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Appendix 1. List of fee codes included in identification of ED visits using Medical Services Plan Payment data

FEE ITEM	DESCRIPTION
1811	LEVEL I EMERGENCY CARE - DAY
1812	01812 LEVEL II EMERGENCY CARE - DAY
1813	01813 LEVEL III EMERGENCY CARE - DAY
1821	01821 LEVEL I EMERGENCY CARE - EVENING
1822	01822 LEVEL II EMERGENCY CARE - EVENING
1823	01823 LEVEL III EMERGENCY CARE - EVENING
1831	01831 LEVEL I EMERGENCY CARE - NIGHT
1832	01832 LEVEL II EMERGENCY CARE - NIGHT
1833	01833 LEVEL III EMERGENCY CARE - NIGHT
1841	01841 LEVEL I EMERGENCY CARE - SAT, SUN, OR STAT HOL
1842	01841 LEVEL I EMERGENCY CARE - SAT, SUN, OR STAT HOL
1843	01841 LEVEL I EMERGENCY CARE - SAT, SUN, OR STAT HOL
96801	96801 APB-LEVEL I EMERGENCY CARE DAY
96802	96802 APB - LEVEL 2 EMERGENCY CARE - DAY
96803	96803 APB - LEVEL 3 EMERGENCY CARE - DAY
96804	96804 APB- LEVEL 4 EMERGENCY CARE - DAY
96805	96805 APB - LEVEL 5 EMERGENCY CARE - DAY
96811	96811 APB-LEVEL I EMERGENCY CARE - EVENING
96812	96812 APB - LEVEL 2 EMERGENCY CARE - EVENING
96813	96813 APP - LEVEL 3 EMERGENCY CARE - EVENING
96814	96814 APB - LEVEL 4 EMERGENCY CARE - EVENING
96815	96815 APB - LEVEL 5 EMERGENCY CARE - EVENING
96821	96821 APB - LEVEL 1 EMERGENCY CARE - NIGHT
96822	96822 APB - LEVEL 2 EMERGENCY CARE - NIGHT
96823	96823 APB -LEVEL 3 EMERGENCY CARE - NIGHT
96824	96824 APB - LEVEL 4 EMERGENCY CARE - NIGHT
96825	96825 APB - LEVEL 5 EMERGENCY CARE - NIGHT
36347	36347 NP - VISIT, EMERGENCY (BETWEEN 0800 AND 1800 HRS)
36440	36440 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 50-59)
36441	36441 NP - EMERGENCY DEPARTMENT VISIT (AGE 50-59)
36447	36447 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 2-19)
36448	36448 NP - EMERGENCY DEPARTMENT VISIT (AGE 2-19)
36601	36601 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 0-1)
36602	36602 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 2-59)
36603	36603 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 60-69)
36604	36604 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 70-79)
36605	36605 NP - SIMPLE/FASTRACK VISIT IN EMERGENCY (AGE 80+)
36606	36606 NP - VISIT IN EMERGENCY DEPARTMENT (AGE 0-1)
36607	36607 NP - VISIT IN EMERGENCY DEPARTMENT (AGE 2-59)
36608	NP - VISIT IN EMERGENCY DEPARTMENT (AGE 60-69)

| 36609 | NP - VISIT IN EMERGENCY DEPARTMENT (AGE 70-79) |
| 36610 | NP - VISIT IN EMERGENCY DEPARTMENT (AGE 80+) |

Appendix 2. Disorder groupings and associated diagnosis codes

	ICD-9 codes (MSP claims)	ICD-10 codes (Hospital Discharge Data)	NACRS Codes
Mood and anxiety			
Depressive disorders	311	F32, F33, F34.1	F329
Anxiety disorders	300	F40, F41	F419
Anxiety/depression (code unique to MSP)	50B		
Bipolar and related disorders	296	F30, F31, F34 (excluding F34.1), F38, F29	F319
Substance use			
Substance use	292, 304, 305	F11, F12, F13, F14, F15, F16, F17, F18, F19	F119, T401, F129, T407, F159, F149, 1405, F169, 1409, 1406, F180, F199, F139, T424, T439
Alcohol	291, 303	F10	F100, F103, T510
Schizophrenia spectrum	295, 297, 298	F20, F21, F22, F23, F24, F25, F28, F29	F209, F239
Post-traumatic stress and adjustment disorder	308, 309	F43	
Other mental disorders			
Neurocognitive	290, 293, 294	F01, F03, F04, F05, F06, F09	F03, F059
Personality disorders	301	F60, F61, F62	F489, F609
Eating	307.1, 307.5	F50	F509
ADHD	314	F90	
Intellectual disability	317, 318, 319	F71, F71, F72, F73, F78, F79	