






**Appendix A: BMW Star Recognition Program**

Data Supplement for Baum et al. (10.1176/appi.ps.201800163)

Practice sites will be recognized throughout the course of the Learning Network and earn stars for implementing systems to support five BMW key areas. A star will be earned when practices can demonstrate completion of all the interventions listed under a BMW key area. Practices may earn up to 5 stars. Recognition will be provided on the BMW online community and promotional materials will be provided for display in the office and on the practice website. As practices progress, new posters that reflect their advancement will be provided.

- Step 1:** Practices will be evaluated at each of the scheduled site visits.
- Step 2:** On the monthly progress report, practices will be able to share their progress towards this recognition program. When you are able to check all aspects of a BMW key area, you will receive that color star.

 <p><b>Resources</b> Providing Mental Health Resources for our patients and the public.</p>	 <p><b>Tracking</b> Ensuring our patients schedule and keep their mental wellness appointments</p>	 <p><b>Mental Health Promotion &amp; Screening</b> Ensuring we are screening for and providing guidance about mental wellness for our patients.</p>	 <p><b>Integration Planning &amp; Implementation</b> Working to build bridges to promote mental wellness in our community.</p>	 <p><b>Practice Based Interventions</b> Ensuring our staff is trained appropriately in helping our patients during times of mental wellness needs.</p>
<ul style="list-style-type: none"> <li><input type="checkbox"/> Local mental health resource directory (updated in last year)</li> <li><input type="checkbox"/> Mental health promotional materials displayed in office</li> <li><input type="checkbox"/> Mental health education materials available for patients and families</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Mental health appointment reminder system</li> <li><input type="checkbox"/> Mental health recall system for missed appointments</li> <li><input type="checkbox"/> Log to keep track of patients with a mental health concern</li> </ul>	<p>System is in place for:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> providing anticipatory guidance for healthy social-emotional development in early childhood</li> <li><input type="checkbox"/> postpartum depression screening</li> <li><input type="checkbox"/> screening development in early childhood</li> <li><input type="checkbox"/> autism screening</li> <li><input type="checkbox"/> social-emotional screening, school age through adolescence</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Develop a system of ongoing communication with referred mental health providers regarding patient and family mental-health-care plan</li> <li><input type="checkbox"/> Community reception is hosted</li> <li><input type="checkbox"/> Advanced one or more levels on SAMHSA models of integrated care</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Staff and clinicians complete Common Factors training</li> <li><input type="checkbox"/> Clinicians complete Psychopharmacology Online Learning Module</li> <li><input type="checkbox"/> A crisis plan in place for handling of psychiatric emergencies, including suicidality</li> </ul>

**Appendix B: Diagnoses Included in Claims Analysis by Class of Mental Health Condition**

Class	ICD-9 Code	Descriptor
Anxiety or depression	292.84	Drug-Induced Mood Disorder
	293.83	Mood disorder in conditions classified elsewhere
	293.84	Anxiety disorder in conditions classified elsewhere
	296.20	Major depressive affective disorder, single episode, unspecified
	296.21	Major depressive affective disorder, single episode, mild
	296.22	Major depressive affective disorder, single episode, moderate
	296.23	Major depressive affective disorder, single episode, severe, without mention of psychotic behavior
	296.24	Major depressive affective disorder, single episode, severe, specified as with psychotic behavior
	296.25	Major depressive affective disorder, single episode, in partial or unspecified remission
	296.26	Major depressive affective disorder, single episode, in full remission
	296.30	Major depressive affective disorder, recurrent episode, unspecified
	296.31	Major depressive affective disorder, recurrent episode, mild
	296.32	Major depressive affective disorder, recurrent episode, moderate
	296.33	Major depressive affective disorder, recurrent episode, severe, without mention of psychotic behavior
	296.34	Major depressive affective disorder, recurrent episode, severe, specified as with psychotic behavior
	296.35	Major depressive affective disorder, recurrent episode, in partial or unspecified remission
	296.36	Major depressive affective disorder, recurrent episode, in full remission
	296.99	Other and unspecified affective psychoses
	300.00	Anxiety state, unspecified
	300.01	Panic disorder without agoraphobia
	300.02	Generalized anxiety disorder
	300.09	Other anxiety states
	300.20	Phobia, unspecified
	300.21	Agoraphobia with panic disorder
	300.22	Agoraphobia without mention of panic attacks
	300.23	Social phobia
	300.29	Other isolated or specific phobias
	300.3	Obsessive-compulsive disorders
	300.4	Dysthymic disorder
	300.80	Somatoform disorders
	300.81	Somatization disorder
	300.9	Unspecified nonpsychotic mental disorder
	301.12	Chronic depressive personality disorder
	308.0	Predominant disturbance of emotions
	308.1	Predominant disturbance of consciousness
	308.2	Predominant psychomotor disturbance
	308.3	Other acute reactions to stress
	308.4	Mixed disorders as reaction to stress

	308.9	Unspecified acute reaction to stress
	309.0	Adjustment disorder with a depressed mood
	309.1	Prolonged depressive reaction
	309.21	Separation anxiety disorder
	309.24	Adjustment disorder with anxiety
	309.28	Adjustment disorder with mixed anxiety and depressed mood
	309.81	Posttraumatic Stress Disorder
	309.9	Unspecified adjustment reaction
	310.89	Other specified nonpsychotic mental disorders following organic brain damage
	310.9	Unspecified nonpsychotic mental disorder following organic brain damage
	311	Depressive disorder, not elsewhere classified
	313.0	Overanxious disorder specific to childhood and adolescence
	313.1	Misery and unhappiness disorder specific to childhood and adolescence
	313.23	Selective mutism
	313.9	Unspecified emotional disturbance of childhood or adolescence
	780.79	Other malaise and fatigue
	799.21	Nervousness
Bipolar disorder	296.00	Bipolar I disorder, single manic episode, unspecified
	296.01	Bipolar I disorder, single manic episode, mild
	296.02	Bipolar I disorder, single manic episode, moderate
	296.03	Bipolar I disorder, single manic episode, severe, without mention of psychotic behavior
	296.04	Bipolar I disorder, single manic episode, severe, specified as with psychotic behavior
	296.05	Bipolar I disorder, single manic episode, in partial or unspecified remission
	296.06	Bipolar I disorder, single manic episode, in full remission
	296.1	Manic disorder recurrent episode
	296.10	Manic affective disorder, recurrent episode, unspecified
	296.11	Manic affective disorder, recurrent episode, mild
	296.12	Manic affective disorder, recurrent episode, moderate
	296.13	Manic affective disorder, recurrent episode, severe, without mention of psychotic behavior
	296.14	Manic affective disorder, recurrent episode, severe, specified as with psychotic behavior
	296.15	Manic affective disorder, recurrent episode, in partial or unspecified remission
	296.16	Manic affective disorder, recurrent episode, in full remission
	296.40	Bipolar I disorder, most recent episode (or current) manic, unspecified
	296.41	Bipolar I disorder, most recent episode (or current) manic, mild
	296.42	Bipolar I disorder, most recent episode (or current) manic, moderate
	296.43	Bipolar I disorder, most recent episode (or current) manic, severe, without mention of psychotic behavior
	296.44	Bipolar I disorder, most recent episode (or current) manic, severe, specified as with psychotic behavior
	296.45	Bipolar I disorder, most recent episode (or current) manic, in partial or unspecified remission
	296.46	Bipolar I disorder, most recent episode (or current) manic, in full remission
	296.5	Bipolar I disorder, most recent episode (or current) depressed
	296.50	Bipolar I disorder, most recent episode (or current) depressed, unspecified
	296.51	Bipolar I disorder, most recent episode (or current) depressed, mild

	296.52 296.53 296.54 296.55 296.56 296.6 296.60 296.61 296.62 296.63 296.64 296.65 296.66 296.7 296.8 296.80 296.81 296.89 296.90 298.0	Bipolar I disorder, most recent episode (or current) depressed, moderate Bipolar I disorder, most recent episode (or current) depressed, severe, without mention of psychotic behavior Bipolar I disorder, most recent episode (or current) depressed, severe, specified as with psychotic behavior Bipolar I disorder, most recent episode (or current) depressed, in partial or unspecified remission Bipolar I disorder, most recent episode (or current) depressed, in full remission Bipolar i disorder, most recent episode (or current) mixed Bipolar I disorder, most recent episode (or current) mixed, unspecified Bipolar I disorder, most recent episode (or current) mixed, mild Bipolar I disorder, most recent episode (or current) mixed, moderate Bipolar I disorder, most recent episode (or current) mixed, severe, without mention of psychotic behavior Bipolar I disorder, most recent episode (or current) mixed, severe, specified as with psychotic behavior Bipolar I disorder, most recent episode (or current) mixed, in partial or unspecified remission Bipolar I disorder, most recent episode (or current) mixed, in full remission Bipolar I disorder, most recent episode (or current) unspecified Other and unspecified bipolar disorders Bipolar disorder, unspecified Atypical manic disorder Other bipolar disorders Unspecified episodic mood disorder Depressive type psychosis
Disruptive behavior disorder	301.3 309.3 309.4 312.00 312.01 312.02 312.03 312.1 312.10 312.11 312.12 312.13 312.2 312.20 312.21 312.22 312.23 312.30 312.34 312.4 312.81	Explosive personality disorder Adjustment disorder with disturbance of conduct Adjustment Disorder with Mixed Disturbance of Emotions and Conduct Undersocialized conduct disorder, aggressive type, unspecified Undersocialized conduct disorder, aggressive type, mild Undersocialized conduct disorder, aggressive type, moderate Undersocialized conduct disorder, aggressive type, severe Undersocialized conduct disorder unaggressive type Undersocialized conduct disorder, unaggressive type, unspecified Undersocialized conduct disorder, unaggressive type, mild Undersocialized conduct disorder, unaggressive type, moderate Undersocialized conduct disorder, unaggressive type, severe Socialized conduct disorder Socialized conduct disorder, unspecified Socialized conduct disorder, mild Socialized conduct disorder, moderate Socialized conduct disorder, severe Impulse control disorder Intermittent explosive disorder Mixed disturbance of conduct and emotions Conduct disorder, childhood onset type

	312.82 312.89 312.9 313.81	Conduct disorder, adolescent onset type Other conduct disorder Unspecified disturbance of conduct Oppositional defiant disorder
Autism spectrum disorder	299.00 299.01 299.1 299.10 299.11 299.8 299.80 299.81 299.9 299.90 299.91	Autistic disorder, current or active state Autistic disorder, residual state Childhood disintegrative disorder Childhood disintegrative disorder, current or active state Childhood disintegrative disorder, residual state Other specified pervasive developmental disorders Other specified pervasive developmental disorders, current or active state Other specified pervasive developmental disorders, residual state Unspecified pervasive developmental disorder Unspecified pervasive developmental disorder, current or active state Unspecified pervasive developmental disorder, residual
Intellectual disability / developmental delay	315.5 315.8 315.9 317 318.0 318.1 318.2 319 783.42	Mixed development disorder Other specified delays in development Unspecified delay in development Mild intellectual disabilities Moderate intellectual disabilities Severe intellectual disabilities Profound intellectual disabilities Unspecified intellectual disabilities Delayed milestones
ADHD	314.00 314.01 314.1 314.2 314.8 314.9	Attention deficit disorder without mention of hyperactivity Attention deficit disorder with hyperactivity Hyperkinesis with developmental delay Hyperkinetic conduct disorder Other specified manifestations of hyperkinetic syndrome Unspecified hyperkinetic syndrome