

## Appendix A. Map of the Four Domains

1 <sup>st</sup> Domain	2 <sup>nd</sup> Domain	3 <sup>rd</sup> Domain	4 <sup>th</sup> Domain*
<p><i>Maladaptive Reactions of the 1<sup>st</sup> Domain Originate in Failures to Meet Life's Challenges and Recover from Setbacks. Biological Factors Contribute but Are Not Primary Causes. (Stories in The Perspectives)</i></p> <p><b>The Anxiety Spectrum</b>            Anxiety Reaction            Pervasive Anxiety Reaction            Separation Anxiety Reaction            Pathological Stress Reaction            Agoraphobic Reaction            Phobic Reactions            Panic Reaction/Panic Attack/Panic Disorder            Posttraumatic Stress Reaction            Obsessive-Compulsive Reaction</p> <p><b>The Depression Spectrum</b>            Depressive Reaction            Adjustment Reaction</p>	<p><i>Maladaptive Reactions of the 2<sup>nd</sup> Domain Come About in the Context of Aberrant Personality Development and Temperament. Biological Factors Contribute but Are Not Primary Causes. (Dimensions in The Perspectives)</i></p> <p><b>Pathological Personality Styles</b>            Narcissistic            Antisocial            Borderline            Schizoid            Schizotypal            Histrionic            Paranoid            Obsessive-compulsive            Hypomanic (Hyperthymic)            Avoidant</p> <p><b>Psychosomatic Reaction</b></p> <p><b>Hoarding Reaction</b></p> <p><b>ADHD: A Non-phenomenon</b></p>	<p><i>Maladaptive Reactions of the 3<sup>rd</sup> Domain Are Willed, Self-gratifying and Ultimately Self-destructive Acts that Exceed the Limit of What Most People Consider Safe, Sensible and Authentic Behavior. Biological Factors Contribute but Are Not Primary Causes. (Behaviors in The Perspectives)</i></p> <p><b>Self-Destructive Choices</b>            Alcohol Abuse            Drug Abuse            Anorexia Nervosa            Bulimia Nervosa            Abnormal Sexual Behavior            Self-cutting            Uncontrolled Gambling            Kleptomania</p>	<p><i>Altered Mental States of the 4<sup>th</sup> Domain Are Due to 1) Physiological Imbalance, Medical Disease and 2) Primary Mental Diseases Associated with a Putative Altered Brain Substrate. (Diseases in The Perspectives)</i></p> <p><u>1<sup>st</sup> Stipulation:</u></p> <p><b>Delirium</b>  <i>Metabolic Causes</i>            Hypoglycemia and hyperglycemia            Hyperthyroidism and hypothyroidism            Vitamin deficiencies (D, B<sub>12</sub>, folate, nicotinic acid, thiamine)            Excess of vitamin A and D            Addison's disease and Cushing's syndrome</p> <p><i>Electrolyte Causes</i>            Dehydration            Hyponatremic water intoxication            Acidosis            Alkalosis            Deficiency or excess of ionic calcium, potassium, sodium and magnesium.</p>

<p>Grief Reaction Dysthymic Reaction (Pathological Anger Reaction)</p> <p><b>The Dissociation Spectrum</b> Dissociative Reaction Depersonalization Reaction Dissociative Amnesia Reaction Dissociative Fugue Reaction Dissociative Identity Reaction</p> <p><b>The Psychosis Spectrum</b> Depressive Psychotic Reaction Paranoid Psychotic Reaction Other Dynamic Psychotic Reactions Brief Psychotic Reaction Some Schizophrenias</p>			<p><i>Toxicological Causes</i> CO poisoning Lead and other heavy metal poisoning Organic solvents Insecticides Inhalants (ether, gasoline, glue) Plant and fungal poisons</p> <p><i>Medical Causes</i> Infectious disease Neoplastic disease Paraneoplastic syndrome Intracranial space-occupying lesions Head trauma Traumatic brain injury (TBI) Epilepsy Vascular and blood disorders Post-surgical complications Vascular stroke Heat stroke Prescribed and prohibited drugs Withdrawal from these drugs</p> <p><b>Arrested Psychobiological Development of the Brain</b> Autism Low IQ Learning Disabilities (Dyslexia)</p>
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\*The entries for delirium and neurodegenerative diseases in the 4th domain were adapted from Slavney, P. R. (1998). *Psychiatric Dimensions of Medical Practice*. Baltimore: Johns Hopkins University Press. An earlier version of the Map first appeared in Muller, R. J. (2015). The Four Domains of Mental Illness (FDMI): An Alternative to the DSM-5. In: Zachar, P., St. Stoyanov, D., Aragona, M., Jablensky, A. (eds.). *Alternative Perspectives on Psychiatric Validation: DSM, ICD, RDoC, and Beyond*, pp. 236-252. Oxford, UK: Oxford University Press, 2015.