

# Thinking About ICD-11 As A Significant Actor In Efforts to Identify Effective and Efficient Health Equity Approaches and Improvements to Treatment and Care for Mental, Behavioral and Neurodevelopmental Disorders

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# Investment in the Workgroup

“Investigate whether ICD-11 social determinants codes adequately capture the most important social risk factors needed across a diversity of populations in order to achieve goals of health equity. There is also a need to determine how these codes in support of achieving health equity can be effectively collected and utilized.” (NCVHS letter to HHS Secretary, September 20, 2021 ).

Scoping Document as a Solid Research Foundation (What research is needed?)

Mental, Behavioural and Neurodevelopmental Disorders (21 New Mental Disorders)

# Social Determinants and ICD-11

- Social Determinants are not new
  - ICD 9, ICD 10 and ICD 11!
  - What is new is the increased emphasis on the relationship between social vulnerabilities and social risk factors and health status (medical vulnerabilities + social vulnerabilities)
  - What we do, who does
  - Why aren't we coding for social determinants of health in ICD-11

# Examples of Z codes in ICD-10-CM

## Appendix ICD-10 Z-Code Health-Related Social Needs and Increased Healthcare Utilization Bensken et al.

**Appendix Table 1.** List of Z-Code Domains and ICD-10-CM Z-Codes Included

ICD-10 code	Description	Domain
Z55.0	Illiteracy and low-level literacy	Education
Z55.1	Schooling unavailable and unattainable	Education
Z55.2	Failed school examinations	Education
Z55.3	Underachievement in school	Education
Z55.4	Educational maladjustment and discord with teachers and classmates	Education
Z55.8	Other problems related to education and literacy	Education
Z55.9	Problems related to education and literacy, unspecified	Education
Z56.0	Unemployment, unspecified	Employment
Z56.1	Change of job	Employment
Z56.2	Threat of job loss	Employment
Z56.3	Stressful work schedule	Employment
Z56.4	Discord with boss and workmates	Employment
Z56.5	Uncongenial work environment	Employment
Z56.6	Other physical and mental strain related to work	Employment
Z56.81	Sexual harassment on the job	Employment
Z56.82	Military deployment status	Employment
Z56.89	Other problems related to employment	Employment
Z56.9	Unspecified problems related to employment	Employment
Z57.0	Occupational exposure to noise	Employment
Z57.1	Occupational exposure to radiation	Employment

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# Codifying Social Determinants of Health: a Gap in the ICD-10-CM

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# Table 1 Selection of Existing and Proposed Z Codes for Various Categories of Social Determinants of Health

From: [Codifying Social Determinants of Health: a Gap in the ICD-10-CM](#)

ICD-10-CM Z code categories	Sample of existing Z codes	Proposed Z codes*
<b>Z55</b> Education and literacy	Illiteracy/low-level literacy School unavailable/unattainable Underachievement in school	Less than a high school degree Limited English proficiency Low health literacy
<b>Z56</b> Employment	Unemployment Threat of job loss Stressful work schedule	Unemployed, seeking work Unemployed, not seeking work Employed part time or temporary On permanent disability
<b>Z57</b> Occupational exposures	Noise Tobacco smoke Toxic agents	Ergonomic/physical stress Repetitive motion
<b>Z59</b> Housing and economic	Homelessness Inadequate housing Discord with neighbors/landlord Residential institution problems Lack of adequate food/water Inadequate welfare support Extreme poverty Low income Insufficient welfare support	Unsafe neighborhood / housing Food insecurity Living in food desert Inadequate nutritious food choices Inadequate drinking water supply Lack of physical activity opportunities Extensive debt At risk of bankruptcy Unable to afford: Prescriptions; <i>Medical expenses; Phone; Utilities; Transportation; Clothing; Childcare</i>
<b>Z60</b> Social environment	Acculturation difficulty Social exclusion Target of adverse discrimination	Unable to deal with stress Feeling unsafe in social environment Can hardly count on family/friends Inadequate social interaction

# Mental, Behavioral and Neurodevelopmental Disorders

(Michael First & Geoffrey Reed)

## Regrouping of Diagnostic Classes in ICD-11/DSM-V

- “DSM-IV/ICD-10: Groupings based primarily on common presenting symptom (e.g., anxiety disorder)” (Fine)
- “DSM-5/ICD-11: Groupings based as much as possible on common underlying etiological factors”
  - “E.g., Obsessive-Compulsive and related disorders: presumed underlying common neurobiological factors”
  - “Creation of a diagnostic grouping based on etiologically associated with stressful life circumstances”

# Disorders Specifically Associated With Stress (M. First)

- ICD-11
  - Traumatic Stress Disorders
    - PTSD
    - Complex PTSD
  - Prolonged Grief Disorder
  - Adjustment Disorder
  - Attachment Disorders
    - Reactive attachment disorder
    - Disinhibited social engagement disorder
  - Acute stress reaction (not a mental disorder)
- ICD-10
  - F43 Reactions to severe stress, and adjustment disorders
    - F43.0 Acute stress reaction
    - F43.1 PTSD
    - F43.2 Adjustment Disorders
  - F94 Disorders of social functioning with onset specific to childhood
    - F94.1 Reactive attachment disorder
    - F94.2 Disinhibited attachment disorder of childhood