

NONMEDICAL FACTORS INFLUENCING HEALTH: SOCIAL, ENVIRONMENTAL, BEHAVIORAL

Factors or Circumstances That May Influence Health Outcomes; Includes Education, Employment, Housing, Economic, Social Environment, Family and Lifestyle Factors.

Background

This case definition was developed in April 2023 by behavioral health experts at the Defense Centers for Public Health (DCPH) in collaboration with the Armed Forces Health Surveillance Division (AFHSD) for the purpose of epidemiological surveillance of social, environmental, and behavioral factors that influence health.

For the purposes of this document, *factors influencing health* refers to nonmedical contextual circumstances that may influence a patient’s health status or mental well-being. These factors are generally defined by supplemental diagnosis codes in ICD-10-CM categories Z55-Z65 (Social and Environmental Factors) and Z70-Z73 (Lifestyle Factors) and are *not* classifiable to other disease, injury, or external cause categories, (i.e., A00-Y99). The patient’s circumstances or condition also *does not* meet the specific Diagnostic and Statistical Manual of Mental Disorders (DSM-5) criteria required for a diagnosis of a mental health disorder.¹

This definition replaces the previously used AFHSD case definition titled “Mental Health-Related Problems.”

Clinical Description

Similar to the term *factors influencing health* used in this document, the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC) use the term Social Determinants of Health (SDOH) to define “nonmedical factors that influence health outcomes.” Specifically, they are “the conditions in which people are born, grow, work, live, and age, and the wider set of forces and systems shaping the conditions of daily life.”^{2,3} A growing body of research suggests these contextual factors can be more important than health care or personal behavior in influencing health; therefore, understanding their impact on biomedical outcomes and health care utilization is becoming increasingly important for medical and public health communities. The term SDOH is not used in this, or the related series of case definitions, given the code sets differ from the standard SDOH code set.

Case Definition and Incidence Rules

For surveillance purposes, a case of a nonmedical factor influencing health is defined as:

- *One hospitalization* with a nonmedical factor (see ICD9 and ICD10 code lists below) documented in *any* diagnostic position; or

(continued on next page)

¹ American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders, 5th Edition (DSM-5). Arlington, VA: 2013. <https://dsm.psychiatryonline.org/doi/epdf/10.1176/appi.books.9780890425596>. Accessed April 2023.

² Social Determinants of Health. World Health Organization. [Social determinants of health \(who.int\)](https://www.who.int/social-determinants-of-health). Accessed February 2023.

³ Social Determinants of Health. Centers for Disease Control and Prevention. [Social Determinants of Health at CDC | About | CDC](https://www.cdc.gov/socialdeterminants/). Accessed February 2023.



Case Definition and Incidence Rules *(continued)*

- One outpatient or Theater Medical Data Store (TMDS) medical encounter with a nonmedical factor (see ICD9 and ICD10 code lists below) documented in *any* diagnostic position.

Incidence rules:

For individuals who meet the case definition:

- The incidence date is considered the date of the first hospitalization or outpatient medical encounter that includes a documented nonmedical factor.
- For incident case counts, individuals are generally considered an incident *case once per factor per lifetime*.
- For prevalent case counts, individuals are generally considered a prevalent *case once per factor per surveillance period*.

Exclusions:

- None

Codes

The following ICD9 and ICD10 codes are included in the case definition:

Social and Environmental Factors

Factors	ICD-10-CM Codes	ICD-9-CM Codes
Education and Literacy Factors	<i>Z55 (problems related to education and literacy)</i>	V62.3 (educational circumstances)
	Z55.0 (illiteracy and low-level literacy)	
	Z55.1 (schooling unavailable and unattainable)	
	Z55.2 (failed school examinations)	
	Z55.3 (underachievement in school)	
	Z55.4 (educational maladjustment and discord with teachers and classmates)	
	Z55.5 (less than a high school diploma)	
	Z55.6 (problems related to health literacy); <i>new 2023</i>	
Z55.8 (other problems related to education and literacy)	<i>(continued on next page)</i>	



	Z55.9 (problems related to education and literacy, unspecified)	
Employment Factors	<p><i>Z56 (problems related to employment and unemployment)</i></p> <p>Z56.0 (unemployment, unspecified)</p> <p>Z56.1 (change of job)</p> <p>Z56.2 (threat of job loss)</p> <p>Z56.3 (stressful work schedule)</p> <p>Z56.4 (discord with boss and workmates)</p> <p>Z56.5 (uncongenial work environment)</p> <p>Z56.6 (other physical and mental strain related to work)</p> <p>Z56.8 (other problems related to employment); <i>Z56.82 excluded</i></p> <p>- Z56.81 (sexual harassment on the job)</p> <p>- Z56.89 (other problems related to employment)</p> <p>Z56.9 (unspecified problems related to employment)</p>	<p>V62.0 (unemployment)</p> <p>V62.1 (adverse effects of work environment)</p> <p>V62.2[9] (other occupational circumstances or maladjustment)</p> <p>- V62.29 (other occupational circumstances or maladjustment)</p>
Physical Environment Factors	<p><i>Z58 (problems related to physical environment)</i></p> <p>Z58.6 (inadequate drinking-water supply); <i>new 2022</i></p> <p>Z58.8 (other problems related to physical environment); <i>new 2023</i></p> <p>- Z58.81 (basic services unavailable in physical environment); <i>new 2023</i></p> <p>- Z58.89 (other problems related to physical environment); <i>new 2023</i></p>	<i>No comparable ICD9 code.</i>
Housing and Economic Factors	<p><i>Z59 (problems related to housing and economic circumstances)</i></p> <p>Z59.0 (homelessness...)</p> <p>- Z59.00 (unspecified); <i>new 2021</i></p> <p>- Z59.01 (sheltered); <i>new 2021</i></p> <p>- Z59.02 (unsheltered); <i>new 2021</i></p> <p>Z59.1 (inadequate housing)</p>	<p><i>V60 (housing household and economic circumstances)</i></p> <p>V60.0 (lack of housing)</p> <p>V60.1 (inadequate housing)</p> <p>V60.2 (inadequate material resources)</p> <p>V60.3 (person living alone)</p> <p><i>(continued on next page)</i></p>



Housing and Economic Factors <i>(continued)</i>	- Z59.10 (inadequate housing, unspecified); <i>new 2023</i>	V60.4 (no other household member able to render care)
	- Z59.11 (inadequate housing environmental temperature); <i>new 2023</i>	V60.5 (holiday relief care)
	- Z59.12 (inadequate housing utilities); <i>new 2023</i>	V60.6 (persons living in residential institution)
	- Z59.19 (other inadequate housing); <i>new 2023</i>	V60.8 (other specified housing or economic circumstances)
	Z59.2 (discord with neighbors, lodgers, and landlord)	- V60.81 (foster care [status])
	Z59.3 (problems related to living in residential institution)	- V60.89 (other specified housing or economic circumstances)
	Z59.4 (lack of adequate food and safe drinking water...)	V60.9 (unspecified housing or economic circumstances)
	- Z59.41 (food insecurity); <i>new 2021</i>	
	- Z59.48 (other specified lack of adequate food); <i>new 2021</i>	
	Z59.5 (extreme poverty)	
	Z59.6 (low income)	
	Z59.7 (insufficient social insurance and welfare support)	
	Z59.8[1,2,6,7,9] (other problems related to housing and economic circumstances...)	
	- Z59.81 (housing instability, housed...); <i>new 2021</i>	
	- Z59.811 (with risk of homelessness)	
	- Z59.812 (homelessness in past 12 months)	
	- Z59.819 (unspecified)	
	- Z59.82 (transportation insecurity); <i>new 2022</i>	
	- Z59.86 (financial insecurity); <i>new 2022</i>	
	- Z59.87 (material hardship due to limited financial resources, NEC); <i>new 2023</i>	
- Z59.89 (other problems related to housing and economic circumstances); <i>new 2021</i>		
Z59.9 (problems related to housing and economic circumstances, unspecified)	<i>(continued on next page)</i>	



Social Environment Factors	<i>Z60 (problems related to social environment)</i>	V62.4 (social maladjustment)
	Z60.0 (problems of adjustment to life-cycle transition)	
	Z60.2 (problems related to living alone)	
	Z60.3 (acculturation difficulty)	
	Z60.4 (social exclusion and rejection)	
	Z60.5 (target of, perceived, adverse discrimination and persecution)	
	Z60.8 (other problems related to social environment)	
	Z60.9 (problems related to social environment, unspecified)	
Family and Upbringing Factors	<i>Z62 (problems related to upbringing)</i>	<i>V61 (other family circumstances)</i>
	Z62.0 (inadequate parental supervision and control)	V61.0 (family disruption...)
	Z62.1 (parental overprotection)	- V61.01 (due to family member on military deployment)
	Z62.2 (upbringing away from parents)	- V61.02 (due to return of family member from military deployment)
	- Z62.21 (child in welfare custody)	- V61.03 (due to divorce or legal separation)
	- Z62.22 (institutional upbringing)	- V61.04 (due to parent-child estrangement)
	- Z62.23 (child in custody of non-parental relative); <i>new 2023</i>	- V61.05 (due to child in welfare custody)
	- Z62.24 (child in custody of non-relative guardian); <i>new 2023</i>	- V61.06 (due to child in foster care or in care of non-parental family member)
	- Z62.29 (other upbringing away from parents)	- V61.07 (due to death of family member)
	Z62.3 (hostility towards and scapegoating of child)	- V61.08 (due to other extended absence of family member)
	Z62.6 (inappropriate (excessive) parental pressure)	- V61.09 (other family disruption)
	Z62.8[2,9] (other specified problems related to upbringing)	V61.1[0] (<i>counseling</i> for marital and partner problems...)
	- Z62.82 (parent-child conflict)	- V61.10 (unspecified)
	- Z62.820 (parent-biological child conflict)	V61.2[0,3,4,5,9] (parent-child problems)
	- Z62.821 (parent-adopted child conflict)	- V61.20 (<i>counseling</i> for parent-child problem, unspecified)
	- Z62.822 (parent-foster child conflict)	- V61.23 (<i>counseling</i> for parent, biological child problem)
	<i>(continued on next page)</i>	



Family and upbringing factors (continued)	<ul style="list-style-type: none"> - Z62.823 (parent-step child conflict); <i>new 2023</i> - Z62.83 (non-parental relative or guardian-child-child conflict) - Z62.831 (non-parental relative - child conflict); <i>new 2023</i> - Z62.832 (non-relative guardian - child conflict); <i>new 2023</i> - Z62.833 (group home staff - child conflict); <i>new 2023</i> - Z62.89 (other specified problems related to upbringing) - Z62.890 (parent-child estrangement NEC) - Z62.891 (sibling rivalry) - Z62.892 (runaway [from current living environment]); <i>new 2023</i> - Z62.898 (other specified problems related to upbringing) <p>Z62.9 (problems related to upbringing, unspecified)</p>	<ul style="list-style-type: none"> - V61.24 (<i>counseling</i> for parent, adopted child problem) - V61.25 (<i>counseling</i> for parent [guardian], foster child problem) - V61.29 (other parent-child problems)
Family and upbringing factors (continued)	<p><i>Z63 (other problems related to primary support group, including family circumstances)</i></p> <p>Z63.0 (problems in relationship with spouse or partner)</p> <p>Z63.1 (problems in relationship with in-laws)</p> <p>Z63.3 (absence of family member ...)</p> <ul style="list-style-type: none"> - Z63.31 (due to military deployment) - Z63.32 (other absence of family member) <p>Z63.4 (disappearance and death of family member)</p> <p>Z63.5 (disruption of family by separation and divorce)</p> <p>Z63.6 (dependent relative needing care at home)</p> <p>Z63.7 (other stressful life events affecting family and household...)</p>	<p>V61.3 (problems with aged parents or in-laws)</p> <p>V61.4 (health problems within family)</p> <ul style="list-style-type: none"> - V61.41 (alcoholism in family) - V61.42 (substance abuse in family) - V61.49 (other problems within the family) <p style="text-align: right;"><i>(continued on next page)</i></p>



Family and upbringing factors (continued)	- Z63.71 (stress on family due to return of family member from military deployment)	
	- Z63.72 (alcoholism and drug addiction in family)	
	- Z63.79 (other stressful life events affecting family and household)	
	Z63.8 (other specified problems related to primary support)	V61.8 (other specified family circumstances)
	Z63.9 (problems related to primary support group, unspecified)	V61.9 (unspecified family circumstance)
Other Psychosocial Factors	<i>Z64 (problems related to certain psychosocial circumstances)</i>	--
	Z64.0 (unwanted pregnancy)	V61.6 (illegitimacy or illegitimate pregnancy) V61.7 (other unwanted pregnancy)
	Z64.1 (multiparity)	V61.5 (multiparity)
	<i>Z65 (problems related to other psychosocial circumstances)</i>	--
	Z65.[0-3,8,9] (conviction in civil and criminal proceedings without imprisonment)	V62.5 (legal circumstances)
	Z65.1 (imprisonment and other incarceration)	
	Z65.2 (problems related to release from prison)	
	Z65.3 (problems related to other legal circumstances)	
	Z65.8 (other specified problems related to psychosocial circumstances)	V62.8[1,2,89] (other psychological stress not elsewhere classified) - V62.81 (interpersonal problems, not elsewhere classified) - V62.82 (bereavement, uncomplicated) - V62.89 (other psychological or physical stress, not elsewhere classified)
	Z65.9 (problems related to unspecified psychosocial circumstances)	V62.9 (unspecified psychosocial circumstance)
<i>Translated code F48.9 (nonpsychotic mental disorder, unspecified) categorized under anxiety disorders.</i>	V40.2 (other mental problems) <i>(continued on next page)</i>	



Other Psychosocial Factors (continued)	<i>Translated code F69 (unspecified disorder of adult personality and behavior), no longer included in DSM-5.</i>	V40.3 (other behavioral problems) - V40.31 (wandering in diseases classified elsewhere) - V40.39 (other specified behavioral problem) V40.9 (unspecified mental or behavioral problem)
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Lifestyle (Behavioral) Factors

Factors	ICD-10-CM Codes	ICD-9-CM Codes
Counseling related to sexual, behavior and orientation factors	<i>Z70.[0,1,2,3] (counseling related to sexual health, behavior, and orientation)</i>	<i>Translated code too broad for inclusion.</i>
	Z70.0 (counseling related to sexual attitude)	
	Z70.1 (counseling related to patient's sexual behavior and orientation)	
	Z70.2 (counseling related to sexual behavior and orientation of third party)	
	Z70.3 (counseling related to combined concerns regarding sexual attitude, behavior, and orientation)	
Counseling related to alcohol and drug factors	<i>Z71.[4,5] (persons encountering health services for counseling and medical advice, not elsewhere classified)</i>	V65.42 (counseling on substance use and abuse)
	Z71.4 (alcohol abuse counseling and surveillance...)	
	- Z71.41 (of alcoholic)	
	- Z71.42 (counseling for family member of alcoholic)	
	Z71.5 (drug abuse counseling and surveillance...)	
	- Z71.51 (of drug abuser) - Z71.52 (counseling for family member of drug abuser)	
Lifestyle Factors	<i>Z72.[5,6,8,9;823 excluded] (problems related to lifestyle)</i>	--
	Z72.5 (high risk sexual behavior...)	V69.2 (high risk sexual behavior)
	- Z72.51 (high risk heterosexual behavior)	
	- Z72.52 (high risk homosexual behavior)	

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	- Z72.53 (high risk bisexual behavior)	
	Z72.6 (gambling and betting)	V69.3 (gambling and betting)
	Z72.8 (other problems related to lifestyle...)	V71.02 (observation for childhood or adolescent antisocial behavior)
	- Z72.81 (antisocial behavior...)	V71.01 (observation for adult antisocial behavior)
	- Z72.810 (child and adolescent antisocial behavior)	
	- Z72.811 (adult antisocial behavior)	
	- Z72.82 (problems related to sleep)	V69.4 (lack of adequate sleep)
	- Z72.820 (sleep deprivation)	
	- Z72.821 (inadequate sleep hygiene)	
	- Z72.89 (other problems related to lifestyle)	V69.9 (unspecified problem related to lifestyle)
	Z72.9 (problem related to lifestyle, unspecified)	
Life Management Factors	<i>Z73 (problems related to life management difficulty)</i>	--
	Z73.0 (burn-out)	<i>Translated codes too broad for inclusion.</i>
	Z73.1 (type A behavior pattern)	
	Z73.2 (lack of relaxation and leisure)	
	Z73.3 (stress, not elsewhere classified)	
	Z73.4 (inadequate social skills, not elsewhere classified)	
	Z73.5 (social role conflict, not elsewhere classified)	
	Z73.6 (limitation of activities due to disability)	
	Z73.8 (other problems related to life management difficulty...)	
	- Z73.81 (behavioral insomnia of childhood...)	V69.5 (behavioral insomnia of childhood)
	- Z73.810 (sleep-onset association type)	
	- Z73.811 (limit setting type)	
	- Z73.812 (combined type)	
	- Z73.819 (unspecified type)	
		<i>(continued on next page)</i>



	- Z73.82 (dual sensory impairment)	V49.85 (dual sensory impairment)
	- Z73.89 (other problems related to life management difficulty)	V69.9 (above)
	Z73.9 (problems related to life management difficulty, unspecified)	

Development and Revisions

- This case definition was developed in April 2023 by the Behavioral Health/Public Health Work Group [BH/PH WG] in collaboration with AFHSD. The revision incorporates into the previously used AFHSD “Mental Health-Related Problems” case definition the emerging SDOH framework used by medical and public health experts to assess circumstances and nonmedical factors that may influence a patient’s health status and mental well-being. The case definition was developed based on reviews of the ICD9 and ICD10 codes, the scientific literature, and previous AFHSD and DCPH analyses.
- The case definition was designed to support surveillance and analysis of contextual factors and outcomes related to mental health in military-related populations. Investigators interested in factors and outcomes related to specific health conditions (e.g., heart disease, diabetes, obesity), or specific mental health disorders (e.g., anxiety, depression) may wish to modify the case definition.
- Alternative titles considered for this case definition included “Social Determinants of Health (SDOH),” “Stressors,” and “Circumstances Influencing Health.” The work group felt the term “determinants” implies a factor that necessarily affects health rather than one whose effect varies by individual and situation. The group was also concerned the commonly used term *social determinants of health* would be understood as fully congruent with the meaning of that term and the standard code set used by WHO and the CDC. The title “Nonmedical Factors Influencing Health” aligned better with the intent of the case definition and seemed easier to understand than “Stressors” and “Circumstances Influencing Health.”
- The original “Mental Health-Related Problems” case definition was developed in November 2010 by the Armed Forces Health Surveillance Center (AFHSC) *Medical Surveillance Monthly Report (MSMR)* staff for an article on mental disorders and mental health-related problems among active duty Service members.⁴ Mental health problems were defined as “psychosocial and socioeconomic circumstances, defined by ICD9 V-codes and ICD10 Z-codes, that do not meet the DSM-V criteria for a diagnosis of a mental health disorder.”

Case Definition and Incidence Rule Rationale

- In 2023, the work group determined that *one* outpatient or TMDS medical encounter with a nonmedical factor would be sufficient to define a case. The group also expanded the diagnostic positions to allow for a factor in *any* diagnostic position versus the *first* and *second* positions only. While factors that influence health are often identified in the clinical setting (i.e., self-reported by the patient or observed by the provider), they are not defined by specific clinical or diagnostic criteria. Therefore, an individual would not require multiple outpatient encounters to confirm the presence of a specific factor.
- The original case definition for Mental Health-Related Problems required two outpatient encounters with a case defining diagnoses to define a case. A period of 180 days between

⁴ Armed Forces Health Surveillance Division. Mental health disorders and mental health problems, active component, U.S. Armed Forces, 2016-2020. *MSMR* 2021; Vol. 28 (8): 2-9.



encounters was established to allow for the likelihood that “true” mental health-related problems would have a second encounter within that interval.

Code Set Determination and Rationale

- The code set documented here is based, in part, on code sets developed by WHO and the CDC to monitor SDOH and on a Veteran’s Administration (VA) study that looked at “adverse social determinants of health (SDH)” and their association with suicide risk and morbidity.⁵ Similar to the code set used in the VA study, the AFHSD series of code sets includes lifestyle factors, factors related to violence, abuse, and maltreatment and factors related to legal interventions, military operations, war and terrorism. The work group reviewed and modified the code sets to make them more relevant to service members and beneficiaries of the Military Health System (MHS) and to behavioral health.
- The *Lifestyle (Behavioral) Factors (Z70-Z73)* section contains a broad range of factors related to counseling, lifestyle, and life management. Many of these factors are unrelated to each other, (e.g., high-risk sexual behavior, gambling and betting, sleep problems, antisocial behavior); therefore, AFHSD recommends against reporting “lifestyle factors” as a category. To more accurately represent the factors included in this section, investigators may want to further categorize the codes by related conditions or circumstances.
- ICD10 codes Z62.81x (personal history of abuse in childhood) are not included in this code set; they are included in the “Nonmedical Factors Influencing Health: Violence, Abuse and Maltreatment” case definition.
- ICD10 codes Z65.4 (victim of crime and terrorism) and Z65.5 (exposure to disaster, war, and other hostilities) are not included in this code set: they are included in the “Nonmedical Factors Influencing Health: Legal Interventions, War, and Terrorism” case definition.
- The original code set for the Mental Health-Related Problems case definition was based on code sets developed by the Agency for Healthcare Research and Quality (AHRQ)⁶, Garvey *et al*⁷ and Seal *et al*.⁸ In February of 2016, the Armed Forces Health Surveillance Branch (AFHSB) Surveillance Methods and Standards (SMS) working group updated the code set to accommodate significant changes in the ICD-10-CM coding manual.

Reports

The AFHSD reports on nonmedical factors influencing health in the following reports:

- Periodic *MSMR* articles.

The DCPH reports on nonmedical factors influencing health in the following reports:

- Surveillance of Suicidal Behavior Publication [U.S. Army]
- Behavioral Health Monitoring Among Active Duty U.S. Army Soldiers

⁵ Blosnich, J.R., Montgomery, A.E., Dichter, M.E. *et. al.*, Social Determinants and Military Veterans’ Suicide Ideation and Attempt: a Cross-sectional Analysis of Electronic Health Record Data. *J Gen Intern Med* 35, 1759-1767 (2020). Available at: <https://link.springer.com/article/10.1007/s11606-019-05447-z>. Accessed April 2023.

⁶ Agency for Healthcare Research and Quality website. <https://hcup-us.ahrq.gov/databases.jsp>. Accessed April 2023.

⁷ Garvey Wilson A, Messer S, Hoge C. U.S. military mental health care utilization and attrition prior to the wars in Iraq and Afghanistan. *Soc Psychiatry Psychiatr Epidemiol*. 2009; 44 (6):473-481.

⁸ Seal KH, Bertenthal D, Miner CR, Sen S, Marmar C. Bringing the War Back Home: Mental Health Disorders Among 103 788 US Veterans Returning from Iraq and Afghanistan Seen at Department of Veterans Affairs Facilities. *Arch Intern Med*. March 12, 2007; 167 (5):476-482.



Review

Jul 2024	Case definition reviewed and updated by the BH/PH WG and the AFHSD.
Oct 2023	Case definition revised by the BH/PH WG and the AFHSD; reviewed and adopted by the AFHSD SMS working group.
May 2019	Case definition reviewed and updated by the Armed Forces Health Surveillance Branch (AFHSB) SMS working group.
Feb 2016	Case definition reviewed and updated by the AFHSB SMS working group.
Nov 2012	Case definition reviewed and adopted by the AFHSC SMS working group.
Nov 2010	Case definition developed by the AFHSC <i>MSMR</i> staff.

Comments

- For the purposes of this case definition, behavioral health is defined as: “A state of health that encompasses an individual’s behavioral, psychosocial, and emotional well-being.” Numerous factors may influence an individual’s behavioral health. Individuals may or may not have a coexisting mental health condition that meets the specific Diagnostic and Statistical Manual of Mental Disorders (DSM-5) criteria required for a diagnosis of a mental health *disorder*.
- Based on the consensus opinion of the BH/PH WG, the following codes are not included in the code set. A brief rationale for these decisions is included in the table.

Excluded Codes:

ICD-10-CM Codes	ICD-9-CM Codes	Rationale
<i>Social and Environmental Factors Influencing Health</i>		
Z56.82 (military deployment status)	V62.21 (personal current military deployment status) V62.22 (personal history of return from military deployment)	In the military population, codes are used to indicate deployment status; not directly related to health status or mental well-being of military personnel.
Z57 (occupational exposure to risk factors) - Z57.0 (noise) - Z57.1 (radiation) - Z57.2 (dust) - Z57.3 (air contaminants) - Z57.31 (environmental tobacco smoke) - Z57.32 (other air contaminants) - Z57.4 (toxic agents in agriculture) - Z57.5 (toxic agents in other industries) - Z57.6 (extreme temperature) - Z57.7 (vibration) - Z57.8 (other risk factors)	V62.1 (adverse effects of work environment)	In the military population, individuals are frequently exposed to these risk factors; not directly related to health status or mental well-being of military personnel. <i>(continued on next page)</i>



- Z57.9 (unspecified risk factor)		
- Z64.4 (discord w/counselors)	<i>No data available to convert ICD10 codes added after 2018</i>	Codes are too nonspecific to interpret in analyses; not directly related to health status or mental well-being of military personnel.
- Z53.1 (procedure and treatment not carried out)	V62.6 (refusal of treatment for reasons of religion conscience)	Codes are too nonspecific to interpret in analyses; not directly related to health status or mental well-being of military personnel.
<i>Behavioral (Lifestyle) Factors</i>		
Z70.[8,9] (counseling related to sexual health, behavior, and orientation) - Z70.8 (other sex counseling) - Z70.9 (sex counseling, unspecified)	V65.49 (other specified counseling)	In the military population, codes are frequently used for STD prevention counseling; not directly related to health status or mental well-being of military personnel.
Z71.[0-3,6,7] (persons encountering health services for counseling and medical advice, <i>not elsewhere classified</i>) - Z71.0 (persons encountering health services to consult on behalf of another person) - Z71.1 (persons with feared health complaint in whom no diagnosis is made) - Z71.2 (persons consulting for explanation of examination of test finding) - Z71.3 (dietary counseling and surveillance) - Z71.6 (tobacco abuse counseling) - Z71.7 (human immunodeficiency virus [HIV] counseling)	V65.19 (other person consulting on behalf of another person) V65.3 (dietary surveillance and counseling) V65.44 (human immunodeficiency virus [HIV] counseling) V65.5 (persons with feared health complaint in whom no diagnosis is made) V65.8 (other reason for seeking consultation)	Codes are too nonspecific to interpret in analyses; not directly related to health status or mental well-being of military personnel.
Z71.8 (other <i>specified</i> counseling) - Z71.81 (spiritual or religious counseling) - Z71.82 (exercise counseling) - Z71.83 (nonprocreative genetic counseling) - Z71.84 (health counseling related to travel) - Z71.85 (immunization safety counseling) - Z71.87 (pediatric-to-adult transition counseling)	V26.33 (genetic counseling) V65.40 (counseling NOS) V65.41 (exercise counseling) V65.49 (other specified counseling) V65.9 (unspecified reason for consultation)	Codes are too nonspecific to interpret in analyses; not directly related to health status or mental well-being of military personnel. <i>(continued on next page)</i>



<ul style="list-style-type: none"> - Z71.88 (counseling for socioeconomic factors) - Z71.89 (other specified counseling) <p>Z71.9 (counseling, unspecified)</p>		
<p>Z72. [0,3,4,823] (problems related to lifestyle)</p> <ul style="list-style-type: none"> - Z72.0 (tobacco use) - Z72.3 (lack of physical exercise) - Z72.4 (inappropriate diet and eating habits) - Z72.823 (risk of suffocating [smothering] under another while sleeping) 	<p>V69.8 (other problems related to lifestyle)</p> <p>V69.0 (lack of physical exercise)</p> <p>V69.1 (inappropriate diet and eating habits)</p>	<p><i>Tobacco use</i> is too nonspecific; an individual may smoke for many reasons. For surveillance purposes, tobacco use is often analyzed separately.</p>

