

Social determinants of health (SDH) data collected in the EHR, corresponding ICD-10 Z codes, and examples of use	
SDH domain (code)	Example of situation to use Z code
Social	
Caregiver stress (Z63.8)	Caregiver for child, adult, or senior with complex medical, social, physical, and behavioral needs
Family stress (Z63.8)	Social, economic, medical stressors affecting family and/or home environment
Insufficient social insurance or welfare support (Z59.7)	Lack of insurance, uninsured, or underinsured; needing SSI/SSDI or public assistance
Need assistance with community resources (Z74.8)	For general resources, when there is not a specific Z code for need
Unavailability or inaccessibility of other helping agencies (Z75.4)	Lack of community resources, ineligible for community resources, no capacity
Social isolation (Z62.4)	Lack of or limited availability of family, friends, community groups, or agencies to provide routine social support; member spends most of time alone (in home or facility)
Problems related to other legal circumstances (Z62.5)	Health-harming legal issues (guardianship or custody issues, renter's rights, employment rights, problems with income or public benefits, legal status, disability)
Problems related to release from prison (Z62.5)	Transition to work, access to health services, housing
Economic	
Financial problem (Z59.9)	Financial worries; difficulty paying for basic needs: Food, clothing, medical care, utility, rent, bills, at risk of debt, etc
Food insecurity (Z59.4)	Worry about finding affordable food; food stamps running out; lack of fresh fruits and vegetables available
Homelessness (Z59.0)	Camping, sleeping in shelter, couch surfing, etc
Housing or economic circumstance (Z59.9)	At risk of homelessness: Inability to pay rent, inability to find affordable or permanent housing, rent increases, etc
Inadequate material resources (Z59.9)	Lack of transportation, clothing, computer, phone, housing/hygiene goods, school supplies, working appliances, basic goods
Intentional underdosing of medication due to financial stressors (Z91.120)	Not taking medications, not filling prescriptions, intentionally underdosing medications, etc because of financial strain
Unemployment (Z56.0)	Unemployed, unable to find work, underemployed
Low income (Z59.6)	Not enough money to pay for necessities, has just enough to make ends meet, poverty line and under
Environmental	
Fall risk (Z91.81)	Does not want to use devices to help with walking, unsteady gait, poor housing conditions (hoarding, deteriorating floors, throw rugs)
Stressful work schedule (Z56.3)	Working multiple jobs, physically strenuous jobs, night shifts, long shifts, etc
Foster care status (Z62.21)	Child, adult, or senior living in foster care
Problem related to social environment (Z62.9)	Living alone, living in clutter (hoarding), dangerous or health-harming environment
Health education	
Dental well-care counseling (Z71.89)	Educating members on dental care benefit (Medicaid) and access to free or low-cost dental services
Referral to county mental health agency (Z68.81)	Educating members on community mental health organization, helping members schedule visit
Illiteracy and low-level literacy (Z55.0)	Educating members on how to navigate KP; helping member with follow-up instructions, education, etc
Nutrition and exercise counseling (Z71.3)	Educating members on low-cost gyms, KP Silver&Fit (exercise and healthy-aging program), community centers, community cooking classes, farmers markets