



Social Determinants of Health Screening for School-Aged Children and Adolescents

June 11, 2024





School-Based Health Alliance Transforming Health Care for Students

Our Focus

The School-Based Health Alliance Works to Support & Grow SBHCs

Policy



Establishes and advocates for national policy priorities

Standards



Promotes
high-quality clinical
practices and
standards, including
for telehealth

Data



Supports data collection and reporting, evaluation, and research Training



Provides training, technical assistance, and consultation

We support the improvement of students' health via school-based health care by supporting and creating community and school partnerships.

www.sbh4all.org

REMINDERS



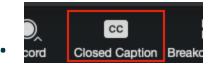
DAll attendees are in listen-only mode.

To ask a question during the session, use the "Chat" icon that appears at the bottom

of your Zoom control panel.



To turn on closed captioning, click on the "CC" button.



Delease complete evaluation poll questions at the end of the presentation.







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WHY Do a Social Determinants of Health (SDOH) screening?

Aggregating Social Determinants of Health Data – Best Practice -Recommendations

INTRODUCTIONS



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Corewell Health School based centers - Detroit area MI

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OBJECTIVES

- Participants in the workshop will gain knowledge of social determinants of health (SDOH) issues and how this affects healthcare.
- Through the use of case review and discussion, participants in the webinar will create a simulation workflow for the assessment/screening of social determinants of health (SDOH) concerns and an opportunity to utilize Z codes within a medical visit.
- Participants will review, discuss and reflect on this how this data could be incorporated in needs assessment, grants and overall health planning for their clinic.

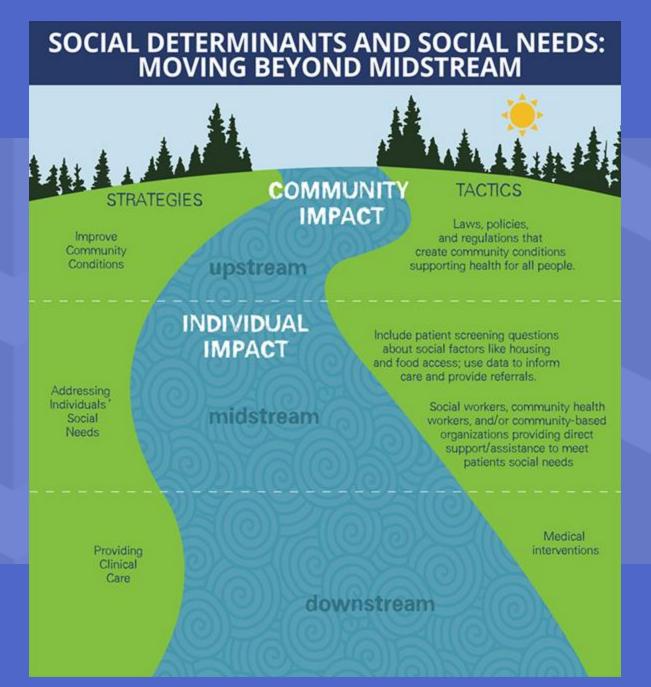
Background/Significance: Social Determinants of Health



- What does social determinants of health (SDOH) mean?
- Why is it important to complete a social determinants of health (SDOH) assessment within medical visits?

Background & Significance

- Standard system to collect aggregate data is beneficial
- Downstream approach
- Upstream approach
- https://youtu.be/xYeAmafTGCA



A Practice GAP Exists!



- When best evidence is not followed → a Practice Gap!
- In attempt to fix this gap, a change occurred with the ICD-10-CM Official Guidelines for Coding and Reporting (February 2018)
- Social Determinants of Health (SDOH) Z codes (Z55-Z66)
 can be documented by all clinicians (not just a physician)
 involved in the care of the patient
- Workflow still flounders!

WHY?

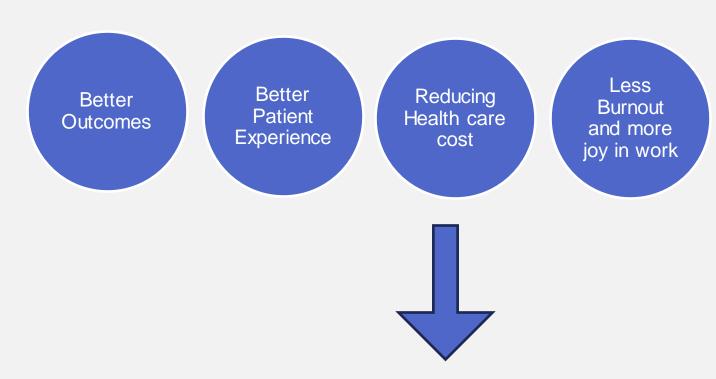
2022 Survey of America's Physicians data revealed:

- Nearly all physicians indicated ...THEIR PATIENTS' HEALTH OUTCOMES ARE AFFECTED BY AT LEAST ONE Social Determinant of Health (SDOH)!
- 61% FEEL LITTLE TO NO TIME AND LACK THE ABILITY TO EFFECTIVELY ADDRESS THEIR PATIENTS' Social Determinants of Health (SDOH)
- 83% BELIEVE THAT ADDRESSING PATIENTS' Social Determinants of Health (SDOH) CONTRIBUTES TO PHYSICIAN BURNOUT RATES



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IHI Quintuple AIM



QUALITY CARE

More

equitable

care

Poll:

 How many of you screen for social determinants of health (SDOH)?

 If yes, how many use a screening tool?



Screening Tools

Psychosocial assessments

- Completed yearly
- May be grant requirement

Flag questions from this assessment and crosswalk it to ICD-10 Z codes



https://healthleadsusa.org/communications-center/resources/icd-10-z-codes-a-standardized-approach-to-sdoh-data/

Screening Tools

For instance:

- HEADSS is a psychosocial interview tool for adolescents (developed in 1991 and was expanded to include additional measures (HEADSSS) in 2004)
- Although not intended for social determinants of health (SDOH) screening it does however, address many of the social determinant concerns if you look at it more closely

Screening Tool: HEADSSS

Domain	Example Question
Home	Where do you live?
	How long have you lived there?
	Who lives with you?
	Do you have your own room?
Education and	Where do you go to school?
employment	What is your favorite/least favorite class?
	Do you feel safe at school?
	What are your grades like?
	Do you have a job?
	What are your future education/employment plans?
Eating	Are you concerned about your weight/body changes?
	Have you ever worried about having food to eat?
Activities	What do you do for fun? Sports? Reading? Video games?
	How much TV do you watch in a week?
Drugs and	Do any of your friends smoke or drink alcohol? Other drugs?
alcohol	Have you ever tried smoking, alcohol, or drugs with your friends?
Sexuality	Have you ever dated anyone? Boys, girls, or both?
-	Have you ever kissed anyone?
	Have you ever had sex?
Suicide,	Have you thought about hurting yourself or someone else?
depression, and self-harm	Have you lost interest in things that you used to really enjoy?
Safety from injury	Do you always wear a seat belt in the car?
and violence	Have you ever ridden with a driver who was drunk or high?
	Is there a lot of violence at your school? In your neighborhood? Where you live?
	Have you ever been picked on or bullied?
	Have you ever felt you needed to protect yourself?

HEEADSSS EXAMINATION QUESTIONS

Potential Z Codes Assigned

- **Z55.2** Failed school examinations
- **Z55.3** Underachievement in school
- Z55.4 Educational maladjustment and discord with teachers and classmates
- **Z60.5** Target of (perceived) adverse discrimination and persecution
- Z64.0 Problems related to unwanted pregnancy

Screening Tool: PRAPARE

PRAPARE: Protocol for Responding to & Assessing Patients' Assets, Risks & Experiences

 Completed by parent/guardian



PRAPARE 1: Protocol for Responding to and Assessing Patient Assets, Risks, and Experiences Paper Version of PRAPARE for Implementation as of September 2, 2016

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Screening Tool: Hunger Vital Sign

- "Within the past 12 months we worried whether our food would run out before we got money to buy more."
- "Within the past 12 months the food we bought just didn't last and we didn't have money to get more."



Completed by Parent/guardian or adolescent

Screening Tool: RAAPS

Rapid
Assessment for
Adolescent
Preventive
Services



Scientifically Validated



21 Questions



5 Minutes



6 Risk Categories

Completed by Adolescent

MANY MORE Screening Tools:

- Accountable Health
 Communities Health Related Social Needs
 (AHC-HRSN)
- Adverse Childhood Experiences (ACEs)
- Children's HealthWatch
- Health Begins
- Health Leads
- I-Help
- Income, Housing,
 Education, Legal
 Status, Literacy,
 Personal Safety
 (IHELLP)
 Questionnaire

- Institute of Medicine (IOM)
- Legal Checkup
- Medical-Legal Partnership (MLP)
- Partners in Health Survey
- Safe Environment for Every Kid (SEEK)
- Seek PQ-R
- Social History Template
- Social Needs Checklist

- StructuralVulnerabilityAssessment Tool
- Survey of Well-being of Young Children (SWYC)
- Urban Life Stressors
 Scale (ULSS)
- We Care
- Well Rx
- Women's Health
 Questionnaire
- Your Current Life Situation (YCLS)

Why Screen Adolescents? - Nation wide study

Over 1000 youths in a nation wide study felt it was necessary and important to ask about social determinants of health (SDOH) issues	The feelings of embarrassment and fear highlight the need for a genuine approach and patient comfort to disclose sensitive topics
Teens prefer to have universal screenings may be hesitant to seek assistance for social determinants of health (SDOH) concerns due to: - embarrassment, fear, cost, lack of access to resources and a lack of knowledge of how or where to seek help	Electronic screening may help reveal sensitive issues Teens understood correlation between social determinants of health (SDOH) concerns, their health and the medical care they receive

TIPS to choosing the right Screening Tool....

- Short and Simple
- Target your questions to the need of your population
 - Watch out for too broad or too narrow of questions.
- Integrate screening tool into clinical workflow
- Ask your patient to prioritize their needs
 - Do they want help?
 - What are their goals or concerns?
- Pilot before scaling no standardized screening tool
 - Evaluate the one you have chosen to see if it is a good fit.

Does your family have difficulty getting to a big grocery store?	Often	Sometimes	Never	Z59.4 Lack of adequate food
, , , , , , , , , , , , , , , , , , , ,				Z59.82 Transportation insecurity
"In the past month, was there any day when you or anyone in your	Often	Sometimes	Never	Z59.4 Lack of adequate food
family went hungry because you did not have enough money for				Z59.5 Extreme poverty
food?"				Z59.6 Low income
Do you remember a time in the last 12 months when you stayed	Often	Sometimes	Never	Z55.1 Schooling unavailable and
home from school because you needed to watch your brother or sister				unattainable
· ·				
so that your mom or dad could go to work?				
In the last 12 months did you ever miss a doctor's appointment	Often	Sometimes	Never	Z59.82 Transportation insecurity
because you did not have a way to get there?				
In the last 12 months I have had arguments with teachers and students	Often	Sometimes	Never	Z55.4 Educational maladjustment and
and get into trouble.				discord with teachers and classmates
I have been excluded from social events because of the way I look, or	Often	Sometimes	Never	Z60.4 Social exclusion and rejection
behave?				(exclusion & rejection on basis of
Dellave!				personal characteristics such as
				unusual physical appearance, illness
	0.0	~ .		or behavior or social isolation)
In the past 12 months my parents leave me alone for more than 24	Often	Sometimes	Never	Z62.0 Inadequate parental
hours?				supervision and control.

Developed by Maureen Murphy and Suzanne Lugger

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	I live in an area that does not have good internet connections.	Yes	No	Z58.81 Basic services unavailable in
				physical environment (Unable to obtain
				utilities, due to inadequate physical
				environment, Unable to obtain internet
				service, due to unavailability in geographic
				area, Unable to obtain telephone service,
				due to unavailability in geographic area.
	I have failed school classes before?	Yes	No	Z55.2 Failed school examinations
		1	- 1, 0	Z55.3 Underachievement in school
	Do you remember a time in the last 12 months when you did not have heat or	Yes	No	Z59.13 Inadequate housing utilities (lack
	•	- * *	- , -	of electricity services, lack of gas services,
	electricity in the house, because no one paid the bill?			lack of oil services, lack of water services.

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In the last 12 months, have you ever used a cooking stove to heat the house/apartment?	Yes	No	Z59.12 Inadequate environmental temperature (Lack of air conditioning or Lack of heating) Z59.13 Inadequate housing utilities (lack of electricity services, lack of gas services, lack of oil services, lack of water services.
Do you think you are at risk of becoming homeless?	Yes	No	Z59.81 Housing instability, (housed Foreclosure on home loan; Past due on rent or mortgage; Unwanted multiple moves in the last 12 months) Z59.811 Housing instability, (housed, with risk of homelessness or Imminent risk of homelessness) Z59.812 Housing instability, (housed, homelessness in past 12 months) Z59.819 Housing instability, housed unspecified
Do you find yourself "couch surfing" moving around often from family and friend's homes and staying with them, perhaps sleeping on their couch.	Yes	No	Z59.81 Housing instability, (housed Foreclosure on home loan; Past due on rent or mortgage; Unwanted multiple moves in the last 12 months) Z59.811 Housing instability, (housed, with risk of homelessness or Imminent risk of homelessness) Z59.812 Housing instability, (housed, homelessness in past 12 months)
In the past I have experienced a personal history of child or sexual abuse?	Yes	No	Z62.81 Personal history of abuse in childhood
In the last 12 months my family has had a stressful life event.	Yes	No	Z63.7 Other stressful life events affecting family and household
In the last 12 months my family has had someone in jail.	Yes	No	Z65.8 Other specified problems related psychosocial circumstances

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These questions are screening tools only!

Do not create ICD diagnosis without validating with deeper conversation otherwise you may misidentify patients

Z-Codes specific to Social Determinants of Health - Job Aid for easy work flow process!

Table 1. Job Aide SDOH "Z" Codes

Problems related to	Problems related	Occupational exposure	Problems related to	Problems related to housing and economic
education and	to employment	to risk factors	physical physical	<u>circumstances</u>
literacy	and		environment	
	unemployment			
Z Code Z55	Z Code Z56	Z Code Z57	Z Code Z58	Z Code Z59
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, difficulty understanding health related information, difficulty understanding medication instructions, problem completing medical forms. Z55.8 Other problems related to education and literacy Z55.9 Problems related to education and literacy, unspecified	Z56.0 Unemployment, Unspecified Z56.1 Change of job Z56.2 Threat of job loss Z56.3 Stressful work schedule Z56.4 Discord with boss and workmates Z56.5 Uncongenial work environment Z56.6 Other physical and mental strain related to work Z56.8 Other problems related to employment Z56.9 Unspecified problems related to employment	Z57.0 Occupational exposure to noise. Z57.1 Occupational exposure to radiation Z57.2 Occupational exposure to dust Z57.3 Occupational exposure to other air contaminants Z57.4 Occupational exposure to toxic agents in agriculture. Z57.5 Occupational exposure to toxic agents in other industries. Z57.6 Occupational exposure to extreme temperature. Z57.7 Occupational exposure to vibration Z57.8 Occupational exposure to other risk factors Z57.9 Occupational exposure to other risk factors Z57.9 Occupational exposure unspecified risk factors	Z58.81 Basic services unavailable in physical environment (Unable to obtain utilities, due to inadequate physical environment, Unable to obtain internet service, due to unavailability in geographic area, Unable to obtain telephone service, due to unavailability in geographic area Z58.6 Inadequate drinking-water supply Z58.89 Other problems related to physical environment	Z59.0 homelessness Z59.10 Inadequate housing, unspecified Z59.11 Inadequate housing environmental Z59.12 Inadequate environmental temperature (Lack of air conditioning or Lack of heating) Z59.13 Inadequate housing utilities (lack of electricity services, lack of gas services, lack of oil services, lack of water services Z59.19 Other inadequate housing Z59.2 Discord with neighbors, lodgers and landlord Z59.3 Problems related to living in residential institution Z59.4 Lack of adequate food Z59.5 Extreme poverty Z59.6 Low income Z59.7 Insufficient social insurance and welfare support unspecified Z59.7 Insufficient health insurance coverage Z59.79 Other insufficient social insurance and welfare support Z59.8 Other problems related to housing and economic circumstances Z59.81 Housing instability, (housed Foreclosure on home loan; Past due on rent or mortgage; Unwanted multiple moves in the last 12 months) Z59.811 Housing instability, (housed, with risk of homelessness or Imminent risk of homelessness) Z59.812 Housing instability, (housed, homelessness in past 12 months) Z59.813 Housing instability, housed unspecified Z59.82 Transportation insecurity Z59.86 financial insecurity
				Z59.87 Material hardship Z59.9 Problem related to housing and economic circumstance

Z-Codes specific to Social Determinants of Health - Job Aid for easy work flow process!

Z Code Z60 Z Code Z62 Z Code Z63 Z Code Z64 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code Z65 Z Code Z64 Z Code Z65 Z Code	Problems related to social environment	Problems related to upbringing	Other problems related to primary support group, including family	Problems related to certain psychosocial circumstances	Problems related to other psychosocial circumstances
Z60.5 Target of Z62.814 New code Personal household problems related	Z60.0 Problems of adjustment to life-cycle transitions Z60.2 Problems related living alone Z60.3 Acculturation difficulty Z60.4 Social exclusion and rejection (exclusion & rejection on basis of personal characteristics such as unusual physical appearance, illness or behavior or social isolation) Z60.5 Target of (perceived) adverse discrimination and persecution Z60.8 Other problems related to social environment	Z62.0 Inadequate parental supervision and control Z62.1 Parental overprotection Z62.2 Upbringing away from parents Z62.3 Hostility towards and scapegoating of child Z62.6 Inappropriate (excessive) parental pressure Z62.8 Other specified problems related to upbringing Z62.81 Personal history of abuse in childhood Z62.814 New code Personal history of child financial abuse Z62.815 New code Personal history of intimate partner abuse in childhood Z62.9 Problem related to	z Code Z63 Z63.0 Problems in relationship with spouse or partner Z63.1 Problems in relationship with in-laws Z63.3 Absence of family member Z63.4 Disappearance and death of family member Z63.5 Disruption of family by separation and divorce Z63.6 Dependent relative needing care at home Z63.7 Other stressful life events affecting family and household Z63.8 Other specified problems related to primary support group. Z63.9 Problem related to primary support group,	Z Code Z64 Z64.0 Problems related to unwanted pregnancy Z64.1 Problems related to multiparity Z64.4 Discord with	Z Code Z65 Z65.0. Conviction in civil and criminal proceedings without imprisonment Z65.1 Imprisonment and other incarceration Z65.2 Problems related to release from prison Z65.3 Problems related to other legal circumstances Z65.4 Victim of crime and terrorism Z65.5 Exposure to disaster, war and other hostilities Z65.8 Other specified problems related psychosocial circumstances Z65.9 Problem related to unspecified psychosocial

USING Z CODES:

The Social Determinants of Health (SDOH)
Data Journey to Better Outcomes



SDOH-related Z codes ranging from Z55-Z65 are the ICD-10-CM encounter reason codes used to document SDOH data (e.g., housing, food insecurity, transportation, etc.).

SDOH are the conditions in the environments where people are born, live, learn, work, play, worship and age.





Any member of a person's care team can collect SDOH data during any encounter.

- Includes providers, social workers, community health workers, case managers, patient navigators, and nurses.
- Can be collected at intake through health risk assessments, screening tools, person-provider interaction, and individual self-reporting.

Step 2 Document SDOH Data

Data are recorded in a person's paper or electronic health record (EHR).

- SDOH data may be documented in the problem or diagnosis list, patient or client history, or provider notes.
- Care teams may collect more detailed SDOH data than current Z codes allow. These data should be retained.
- Efforts are ongoing to close Z code gaps and standardize SDOH data.

Step 3 Map SDOH Data to Z Codes

Assistance is available from the ICD-10-CM Official Guidelines for Coding and Reporting.¹

- Coding, billing, and EHR systems help coders assign standardized codes (e.g., Z codes).
- Coders can assign SDOH Z codes based on self-reported data and/or information documented by any member of the care team if their documentation is included in the official medical record.²



Data analysis can help improve quality, care coordination, and experience of care.

- Identify individuals' social risk factors and unmet needs.
- Inform health care and services, follow-up, and discharge planning.
- Trigger referrals to social services that meet individuals' needs.
- Track referrals between providers and social service organizations.

Step 5 Report SDOH Z Code Data Findings

reports for executive leadership and Boards of Directors to inform value-based care opportunities.

- Findings can be shared with social service organizations, providers, health plans, and consumer/patient advisory boards to identify unmet needs.
- A Disparities Impact Statement can be used to identify opportunities for advancing health equity.



Clinical Flow



Use Job Aid:

Map to Z code

Case Scenarios.... Practice

- Together we will create a mock process for screening
 - Think about how a clinic would logistically screen for social determinants of health (SDOH)
- Read the case scenario
- This information is what you have gathered from the screening tool and further discussion with the patient
- We then will use the Job Aid (provided) and map to Z codes
- Identify a realistic local resource (make this up for the scenario)
- We then will discuss how this information will benefit your practice and patients as you look to collecting the data and its potential use for an evaluative component of a needs assessment.
- Have Fun and collaborate!

Aaron is a 16-year-old boy visiting your schoolbased clinic today for ear pain x 1 week. He lives at home in Staten Island (NY) with his mom and 3 sisters. His father is incarcerated, and he hasn't seen him in 3 years. Through the use of an in-office social determinants of health (SDOH) self-assessment tool, he reports that he started working at a concrete company last summer to help his mom with the bills. They provide him with earplugs, but he admits that he doesn't always wear them. He reported that his mom doesn't always have enough money to pay the electric bill each month.



Aaron is a 16-year-old boy visiting your schoolbased clinic today for ear pain x 1 week. He lives at home in Staten Island (NY) with his mom and 3 sisters. His father is incarcerated, and he hasn't seen him in 3 years. Through the use of an in-office social determinants of health (SDOH) self-assessment tool, he reports that he started working at a concrete company last summer to help his mom with the bills. They provide him with earplugs, but he admits that he doesn't always wear them. He reported that his mom doesn't always have enough money to pay the electric bill each month.



Z Codes

Z57.0 Occupational exposure to noise. **Z63.3** Absence of family member

Z55.8 Other problems related to

education and literacy

Z59.86 Financial insecurity

Carlos is a 15-year-old adolescent male who is visiting your school-based clinic for the first time today. He lives with his father and mother in migrant housing on an area farm, where his parents and other family members are currently working, harvesting the late summer vegetables. He has complaints of persistent abdominal pain starting about three weeks ago. He notes that he has just started 9th grade and is one year behind in school because his family moves around a few times a year and he failed a few final exams at the end of the last school year. He is having a hard time adapting to this new school and making friends. When asked about the abdominal pain, he states that he lives with 4 other families besides his parents in a 4-bedroom home. The house has electricity and running water, but no heat or A/C. He also notes that he does not have internet access because it is not available on the farm due to how rural it is. He also discloses that while he is a US citizen, both of his parents are not, and he does not have health insurance.



Carlos is a 15-year-old adolescent male who is visiting your schoolbased clinic for the first time today. He lives with his father and mother in migrant housing on an area farm, where his parents and other family members are currently working, harvesting the late summer vegetables. He has complaints of persistent abdominal pain starting about three weeks ago. He notes that he has just started 9th grade and is one year behind in school because his family moves around a few times a year and he failed a few final exams at the end of the last school year. He is having a hard time adapting to this new school and making friends. When asked about the abdominal pain, he states that he lives with 4 other families besides his parents in a 4-bedroom home. The house has electricity and running water, but **no heat or A/C.** He also notes that he does not have internet access because it is not available on the farm due to how rural it is. He also discloses that while he is a US citizen, both of his parents are not, and he does not have health insurance.



Z Codes

Z55.2 Failed school examinations

Z55.3 Underachievement in school

Z58.81 Basic services unavailable in physical environment

Z59.12 Inadequate environmental temperature (Lack of air conditioning or lack of heating)

Z59.71 Insufficient health insurance coverage

Z59.819 Housing instability; housed unspecified.

Z60.3 Acculturation difficulty

Z60.4 Social exclusion and rejection (exclusion & rejection on basis of personal characteristics such as unusual physical appearance, illness or behavior or social isolation)

Sarah is a 16-year-old adolescent female visiting your clinic because of persistent headaches x 1 month. While talking with the Medical Assistant (MA), she states that she has been living with her grandparents for the past three years after her mom died. Now, her grandmother has advanced dementia, and she has been spending most of her free time outside of school caring for her. She notes that she wears glasses but the ones she had got broken, and she has not been back to the eye doctor for a check-up in about 4 years.



Sarah is a 16-year-old adolescent female visiting your clinic because of persistent headaches x 1 month. While talking with the Medical Assistant, she states that she has been living with her grandparents for the past three years after her mom died. Now, her grandmother has advanced dementia, and she has been spending most of her free time outside of school caring for her. She notes that she wears glasses but the ones she had got broken, and she has not been back to the eye doctor for a check-up in about 4 years.



Z Codes

Z62.2 Upbringing away from parents

Z63.3 Absence of family member

Z63.4 Disappearance and death of family member

Z63.6 Dependent relative needing care at home Z59.79 Other insufficient social insurance and

welfare support

Eric is a 14-year-old boy visiting the school-based health clinic for his yearly sports physical. He notes that he is planning to play on the 9th grade football team, however he has previously gotten into some trouble at school, and he is not sure that he will be allowed to play. He is living with his third set of foster parents since being removed from his parents one year ago. He has two other siblings living with another foster family, and they see each other for an afternoon every two weeks. He remarks that he has had some low grades which might be a barrier to participating in sports. Last year he got into a fight at school, resulting in a suspension and the end of the relationship with his former foster family.



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Z Codes

Z55.2 Failed school examinations

Z55.3 Underachievement in school

Z55.4 Educational maladjustment and discord

with teachers and classmates

Z62.2 Upbringing away from parents

Z60.8 Other problems related to social

<mark>environment</mark>

Z63.9 Problem related to primary support

group, unspecified

63.3 Absence of family member

Denise is a 17-year-old visiting your clinic for STI testing. She is 5 months pregnant. When being roomed by the Medical Assistant (MA), Denise tearfully states that this is her second pregnancy, and she doesn't know how it happened as she was using "protection." Her mother is raising her first child. She said that she is no longer with her baby's father, that the relationship was "chaotic and I'm glad to be away from him because he used to hurt me." States she has low family support, and is currently living with a friend, but "I'm just couch-surfing. I hope to get my own place soon."



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Z Codes

Z64.0 Problems related to unwanted pregnancy.

Z63.0 Problems in relationship with spouse or partner

z55.6 Problems related to health literacy, difficulty understanding health related information, difficulty understanding medication instructions, problem completing medical forms.

759.811 Housing instability (housed, with risk of homelessness or Imminent risk of homelessness)

762.815 Personal history of intimate partner abuse in childhood

Tarek is a 16-year-old male who recently moved with his family from Ukraine. He visits your clinic today seeking information about how to get his asthma medications refilled. He speaks English but has been identified as able to read at a 5th grade level. For the past year, he has not been able to attend school in his country. He is living in ministrysupported housing with his family as they become established in this community. At this time, they do not have a personal vehicle and rely on public transportation. He states that his parents are in the process of getting work visas, so money is very tight. He feels like he is adjusting to school ok, but does not have any friends yet, despite having been in school for three weeks. He feels a little isolated but is hopeful about his future.



Tarek is a 16-year-old male who recently **moved with** his family from Ukraine. He visits your clinic today seeking information about how to get his asthma medications refilled. He speaks English but has been identified as able to **read at a 5th grade level.** For the past year, he has not been able to attend school in his country. He is living in ministry-supported housing with his family as they become established in this community. At this time, they do not have a personal vehicle and rely on public transportation. He states that his parents are in the process of getting work visas, so money is very tight. He feels like he is adjusting to school ok, but does not have any friends yet, despite having been in school for three weeks. He feels a little isolated but is hopeful about his future.



Z Codes

Z55.0 Illiteracy and low-level literacy

Z55.1 Schooling unavailable and unattainable

Z59.819 Housing instability; housed

unspecified

Z59.82 Transportation insecurity

Z59.86 Financial insecurity

Z60.8 Other problems related to social

environment

Z59.87 Material hardship

How to use this Data? Needs Assessments

- Focused needs assessment
- Aggregating data helps prove a need!
 - Grants, policy, health education, care coordination, partnership needs!
- "Z" codes can help!

- Comprehensive Needs assessment
- "Z" codes can help!



Comprehensive Needs Assessment

Characteristics of the population

- Estimated census any historical changes?
- Life expectancy
- Median age both for males and females
- Racial and ethnic breakdown
- Religious composition
- Economic concerns
- Unemployment
- Predominant language
- High school graduates literacy
- Transportation concerns
- Other challenges

Environment

- Square miles and population density
- Public transit system
- Housing (single family homes%, Rentals %? Avg median house, distressed or low income housing?)
- Important leaders for the community investing in the community?
- Crime rate?
- Police ratio –
- Fire department
- Hospitals
- Politics Advisory groups?
 Council meetings
- Parks recreation area
- Community gardens? Soil contamination? Food desert?
- Air quality

Health Status of the Population

- Social Determinants of Health (SDOH) concerns
 - Social vulnerability index if applicable?
 - Environmental Justice Index (https://www.atsdr.cdc.gov/placeandhealth/eji/index.html)
 - Major determinants of health
 - Any environmental injustice? (for exp. Lead, air soil pollution)
 - o Immunization rates?
- County ranking
- Mortality and morbidity
- All cause death rate
- Ten leading causes of death (compare to state and national levels)
- Health behaviors that promote health life?
 - Exercise, tobacco for example
- Any health disparities to these comparisons?

Comprehensive Needs Assessment

Factors affecting health and the impact

- Employment opportunities – types – unions?
- Occupational hazards
- Networks of support (for example, Block clubs, community groups, business owners, faith and school leaders)

Community/population health perspective

Interviews

Develop and Disseminate Recommendations

Proposed intervention

– with a Strengths,

Weaknesses,

Opportunities, and

Threats (SWOT) and

logic model

"Life isn't about waiting for the storm to pass. It's about learning to dance in

the rain."

Vivian Greene

ANY QUESTIONS???



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