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Health Network

SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

CANS-Informed Service Planning: Using the ICD-10 Codes and Problem List





What are Social Determinants of Health (SDoH)?



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- ***Social Determinants of Health (SDoH)***, as defined by the World Health Organization, are “the conditions in which people are born, grow, work, live, and age. . .as shaped by the distribution of money, power, and resources at global, national and local levels.”
- SDOH can have positive or negative impacts on health, and ***negative SDOH are responsible for most health inequities***



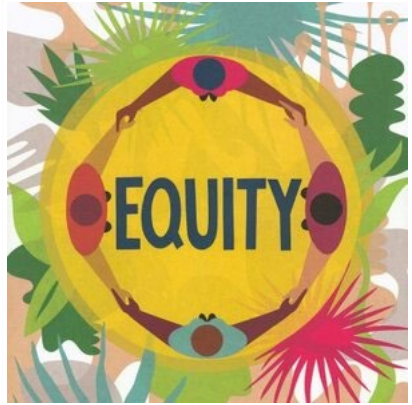


Why Address Social Determinants of Health (SDoH)?



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Addressing social determinants of health is a primary approach to *achieving health equity*. Health equity is “when everyone has the opportunity to ‘attain their full health potential’ and no one is disadvantaged from achieving this potential because of their social position or other socially determined circumstances.”



A growing body of research highlights the importance of factors that influence health and the *need for interventions to address those factors*—in addition to clinical approaches and interventions aimed at modifying behavior.



**How do we
assess for
Social
Determinants
of Health?**



Child and Adolescent Needs and Strengths a Story-telling Communication Tool



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“Although there are many story tellers in people’s lives there is still just one person, and it is their story. The goal is to represent a commonly understood story that integrates the perspectives of all story tellers. Just as there are **many rivers** (story tellers) there is ultimately **one ocean** (the person’s story). The process of integrating many rivers into one ocean—or many perspectives into **one story** owned by the person who is living it—is person-centered. This integration of stories is, simply, good care.”

~ John Lyons (2019) ~

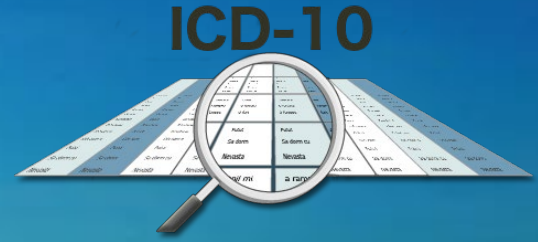
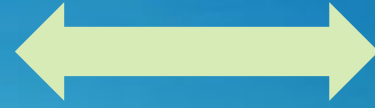
A photograph of a small waterfall cascading over mossy rocks in a forest. The water is white and frothy as it falls, and the surrounding rocks and foliage are covered in vibrant green moss. The background is slightly blurred, showing more of the forest.

Many Rivers...

One Ocean...

Priorities for Treatment

Presenting Problems



Behavioral and Emotional Needs
Impairments in Functioning
Risk Behaviors
Traumatic Stress Reactions

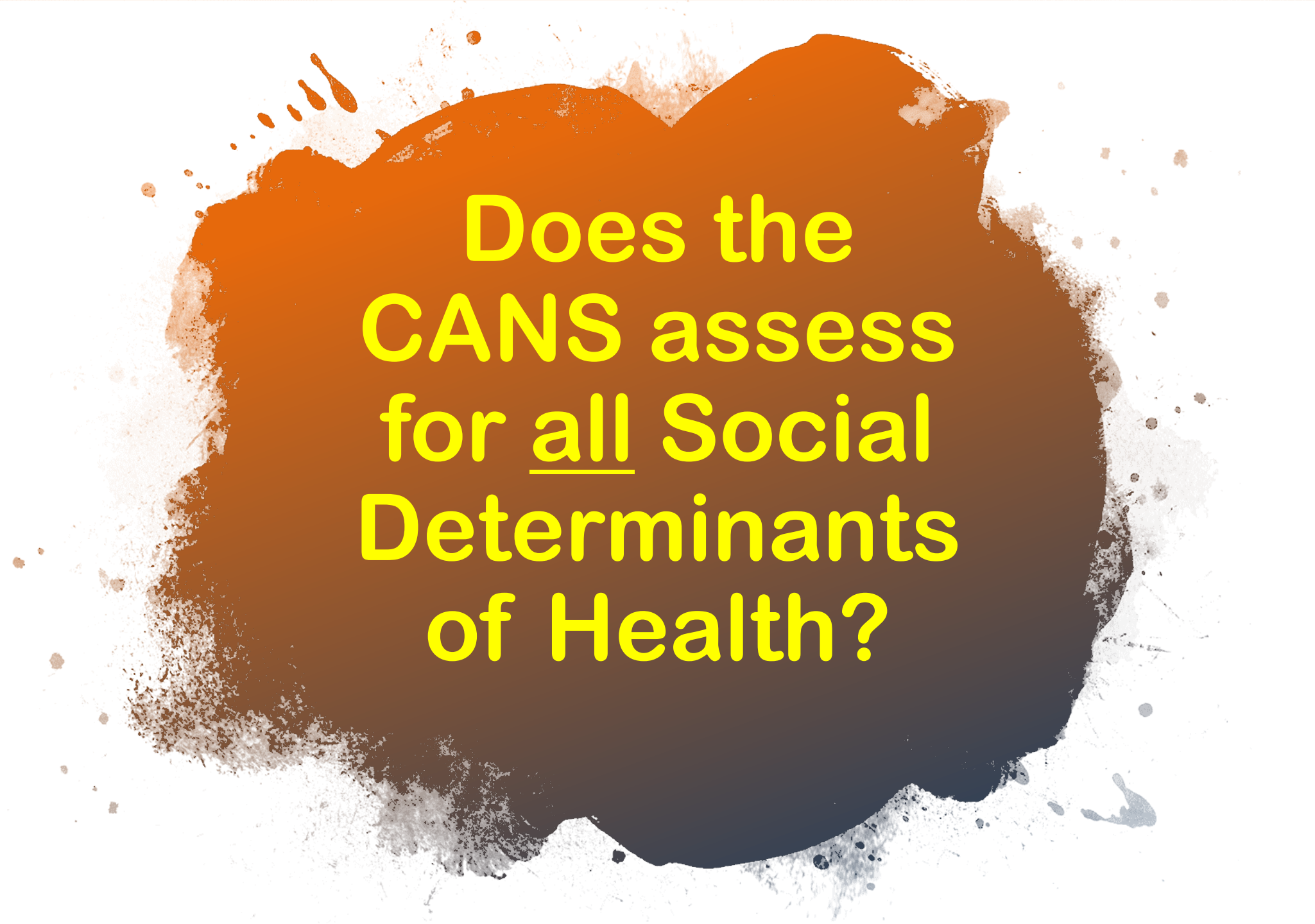
Mood disorders [F30-39]
Anxiety disorders [F40-42]
Conduct disorders [F91]
PTSD [F43.1] ADHD [F90]
Adjustment disorders [F43]

Background Needs

Predisposing,
Perpetuating,
Precipitating
Factors

Traumatic Experiences (ACEs)
Cultural Stress
Disruptions in Caregiving
Attachment Losses
Language Barriers
System-Involvement
Residential Instability
Family Problems
Educational Problems
Adverse Community Environments

SDOH [Z55-65]
Abuse and Neglect [Z62]
Target of adverse discrimination and persecution [Z60.5]
Acculturation Difficulty [Z60.3]
Poverty [Z59.5]
Child in welfare custody [Z62.21]
Homelessness [Z59.0]
Absence of Family Member [Z63.3]
Problems in Education [Z55]
Problem in Social Environment [Z60.9]



Does the
CANS assess
for all Social
Determinants
of Health?

Z55 Problems related to education and literacy:

- 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
- Z55.8 Other problems related to education and literacy
- Z55.9 Problems related to education and literacy, unspecified

Z56 Problems related to employment and unemployment:

- 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
- Z56.81 Sexual harassment on the job
- Z56.9 Unspecified problems related to employment
- Z56.82 Military deployment status
- Z56.89 Other problems related to employment

Z57 Occupational exposure to risk factors:

- 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
- Z57.31 Occupational exposure to environmental tobacco smoke
- Z57.39 Occupational exposure to other air contaminants
- Z57.4 Occupational exposure to toxic agents in agriculture

Z57 Occupational exposure to risk factors: (cont.)

- 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 unspecified risk factor

Z59 Problems related to housing and economic circumstances:

- Z59.0 Homelessness
- Z59.1 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 and safe drinking water
- Z59.5 Extreme poverty
- Z59.6 Low income
- Z59.7 Insufficient social insurance and welfare support
- Z59.8 Other problems related to housing and economic circumstances
- Z59.9 Problem related to housing and economic circumstances, unspecified

Z60 Problems related to social environment:

- Z60.0 Problems of adjustment to life-cycle transitions
- Z60.2 Problems related to living alone
- Z60.3 Acculturation difficulty
- Z60.4 Social exclusion and rejection
- Z60.8 Other problems related to social environment
- Z60.9 Problem related to social environment, unspecified

Z62 Problems related to upbringing:

- Z62.0 Inadequate parental supervision and control
- Z62.1 Parental overprotection
- Z62.2 Upbringing away from parents:
 - Z62.21 Child in welfare custody
 - Z62.22 Institutional upbringing
 - Z62.29 Other 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:
 - Z62.810 Personal history of physical and sexual abuse in childhood
 - Z62.811 Personal history of psychological abuse in childhood
 - Z62.812 Personal history of neglect in childhood
 - Z62.813 Personal history of forced labor or sexual exploitation in childhood
 - Z62.819 Personal history of unspecified abuse in childhood
 - Z62.82 Parent-child conflict:
 - Z62.820 Parent-biological child conflict
 - Z62.821 Parent-adopted child conflict
 - Z62.822 Parent-foster child conflict
 - Z62.89 Other specified problems related to upbringing:
 - Z62.890 Parent-child estrangement NEC
 - Z62.891 Sibling rivalry
 - Z62.898 Other specified problems related to upbringing
- Z62.9 Problem related to upbringing, unspecified

Z63 Other problems related to primary support group, including family circumstances:

- Z63.0 Problems in relationship with spouse or partner
- Z63.1 Problems in relationship with in-laws
- Z63.3 Absence of family member:
 - Z63.31 Due to military deployment
 - Z63.32 Other absence of family member

Z63 Other problems related to primary support group, including family circumstances: (cont.)

- 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:
 - Z63.71 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 group
- Z63.9 Problem related to primary support group, unspecified

Z64 Problems related to certain psychosocial circumstances:

- Z64.0 Problems related to unwanted pregnancy
- Z64.1 Problems related to multiparity
- Z64.4 Discord with counselors

Z65 Problems related to other psychosocial circumstances:

- 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 to psychosocial circumstances
- Z65.9 Problem related to unspecified psychosocial circumstances

ICD-10



CODES

Tracking SDoH Factors



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Community Behavioral Health Services

CANS-SF Case Formulation & Treatment Planning Worksheet

Reason for Referral
This includes symptoms and behaviors, and their onset, duration, severity, and family response.

Background Needs
What factors are contributing to the client's problem behaviors, symptoms, and impairments?
What are the precipitating, predisposing, and perpetuating factors?
Item: 2 3 Item: 2 3

<p>Priorities for Treatment Needs (Impact on Functioning Domain)</p> <p>What areas of a child/youth's life are impacted (e.g. family, social, community, and academic) as a result of the client's behaviors and symptoms? Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3 Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>	<p>Priorities for Treatment Needs (Behavioral/Emotional Needs; Risk Behaviors; Needs from other modules)</p> <p>What is the client's current presentation in terms of behaviors and symptoms? Are there risk behaviors in the client that might need safety planning or crisis intervention? Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3 Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>
<p>Strengths to Use (Centerpiece or Useful Strengths)</p> <p>What strengths in the child/youth (or caregiver) help inform a strengths-based approach? What are client's protective factors? Item: <input type="checkbox"/> 0 <input type="checkbox"/> 1 Item: <input type="checkbox"/> 0 <input type="checkbox"/> 1</p>	<p>Strengths to Build</p> <p>What areas need strengths-building? What are areas where no strengths exist? Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3 Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>

Anticipated Outcomes
What needs and/or strengths are expected to change as a result of working with the client?
Item: 2 3 Item: 2 3

Activities or Interventions

Problem List



Treatment
Case Management
Care Coordination
Supportive Services





CANS Case Formulation and Treatment Planning



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- The **CANS Assessment is an approach based on storytelling**. Children, youth, and their families who seek help share their experiences (i.e., tell their stories). Sometimes, parts of their stories are retold by multiple professionals based on their skills and focus.
- The **CANS Priorities for Treatment** aims to strengthen the storytelling aspects of helping our client. It primarily serves to allow **collaborative and therapeutic case formulation and treatment planning**.

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Community Behavioral Health Services

CANS-SF Case Formulation & Treatment Planning Worksheet

Reason for Referral
This includes symptoms and behaviors, and their onset, duration, severity, and family response.

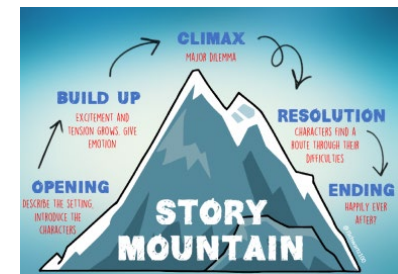
Background Needs
What factors are contributing to the client's problem behaviors, symptoms, and impairments? What are the precipitating, predisposing, and perpetuating factors?
Item: 2 3 Item: 2 3

<p>Priority of Treatment Needs (Life Functioning Domain) What areas of a child/youth's life are impacted (e.g. family, social, community, academic) as a result of the client's behaviors and symptoms? What areas are going well? Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3 Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>	<p>Priority of Treatment Needs (Behavioral/Emotional Needs; Risk Behaviors) What is the client's current presentation in terms of behaviors and symptoms? What is the onset, frequency, duration, and intensity of these symptoms? Are there risk behaviors in the client that might need crisis intervention? Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3 Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>
<p>Strengths to Use (Centerpiece or Useful Strengths) What strengths in the child/youth (or caregiver) help inform a strengths-based approach? Think of protective factors Item: <input type="checkbox"/> 0 <input type="checkbox"/> 1 Item: <input type="checkbox"/> 0 <input type="checkbox"/> 1</p>	<p>Strengths to Build What areas need strengths-building? What are areas where no strengths exist? Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3 Item: <input type="checkbox"/> 2 <input type="checkbox"/> 3</p>

Anticipated Outcomes
What needs and/or strengths are expected to change as a result of working with the client?
Item: 2 3 Item: 2 3

Interventions and Activities

Used by 50 to 60% of our CYF Providers





CANS Case Formulation and Treatment Planning Worksheet



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Reason for Referral

This includes symptoms and behaviors, and their onset, duration, severity, and family response.



Background Needs

What factors are contributing to the client's problem behaviors, symptoms, and impairments?

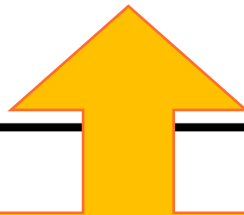
What are the precipitating, predisposing, and perpetuating factors?

Item:

2 3

Item:

2 3



Background needs can include CANS items reflective of ***Social Determinants of Health*** (SDOH)



Priorities for Treatment Needs

(Impact on Functioning Domain)

What areas of a child/youth's life are impacted (e.g. family, social, community, and academic) as a result of the client's behaviors and symptoms?

Item: 2 3

Item: 2 3

Priorities for Treatment Needs

(Behavioral/Emotional Needs; Risk Behaviors; Needs from other modules)

What is the client's current presentation in terms of behaviors and symptoms? Are there risk behaviors in the client that might need safety planning or crisis intervention?

Item: 2 3

Item: 2 3

Strengths to Use

(Centerpiece or Useful Strengths)

What strengths in the child/youth (or caregiver) help inform a strengths-based approach? What are client's protective factors?

Item: 0 1

Item: 0 1

Strengths to Build

What areas need strengths-building? What are areas where no strengths exist?

Item: 2 3

Item: 2 3





CANS Case Formulation and Treatment Planning Worksheet



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Anticipated Outcomes

What needs and/or strengths are expected to change as a result of working with the client?

Item:

2 3

Item:

2 3



Activities or Interventions

This section can include: (1) interventions to address behavioral health presentations that are prioritized for treatment, and (2) services to support clients and their families with regards *Social Determinants of Health* (SDOH)



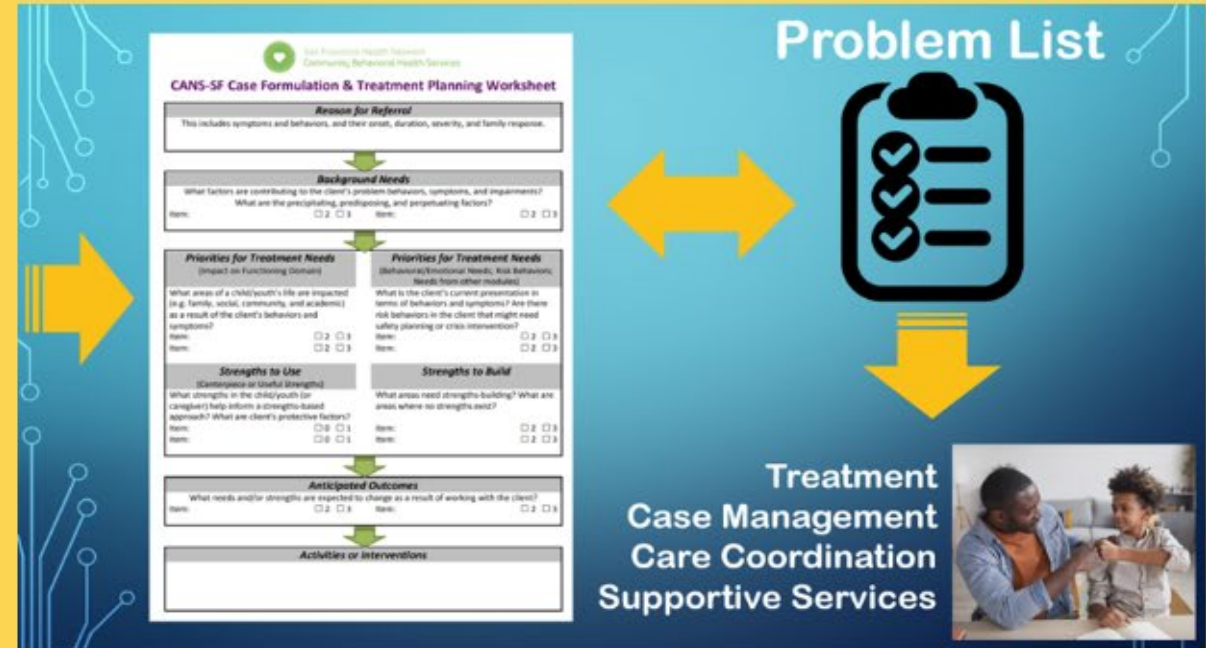
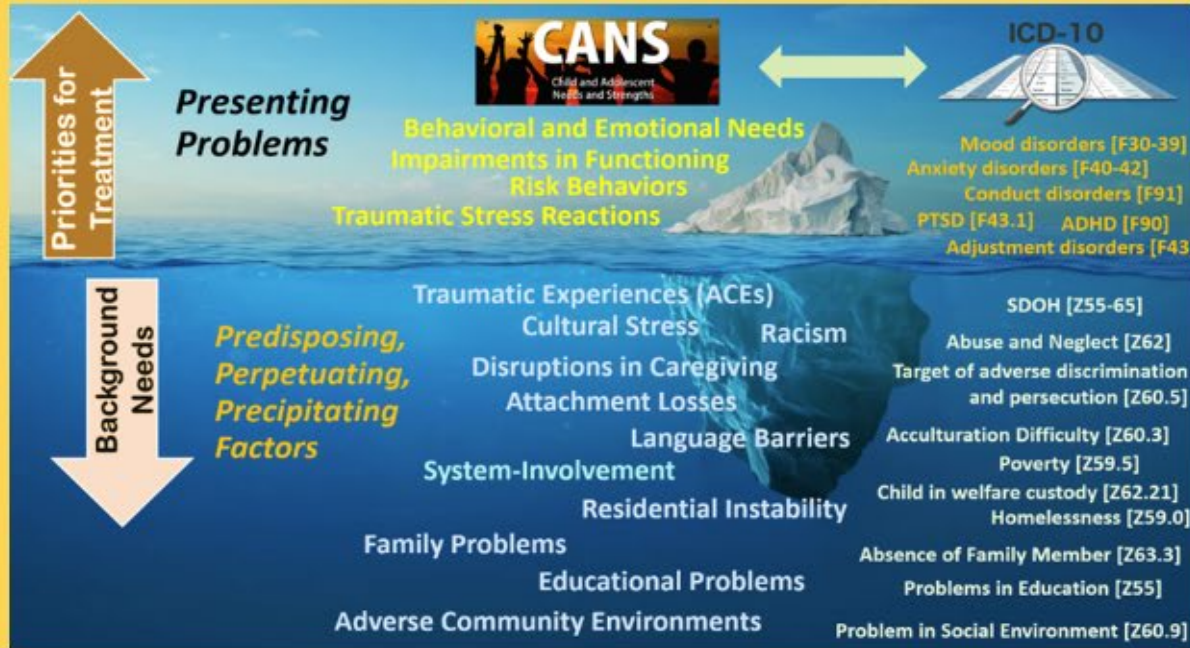
CANS-Informed Problem List and Treatment Planning Practice Guidelines



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Using the CANS and CaAIM Problem List in Treatment Planning with Clients



Click link to TIPs here:

<https://bit.ly/CANStoProblemList>

1. Review CANS items and equivalent ICD-10 codes
2. Complete CANS Priorities for Treatment Worksheet
3. Complete the Problem List
 - The Problem List reflects
4. Plan for Treatment
 - Include interventions



**How do we
intervene with
Social
Determinants
of Health?**



Some Resources to Support Families with SDOH Needs



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San Francisco Resources for Children, Youth, and Families



Psychoeducation



Family Support



Housing



Education

<https://sites.google.com/view/cyftips/sf-cyf-resources>

Questions? Thoughts?

Reach out to Ritchie Rubio at Ritchie.Rubio@sfdph.org

