Social Screening Form in OpenEMR

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1 Overview

1.1 Background

Over the past few decades there has been an increasing focus on the Social Determinants of Health as predictors and risk factors of health inequities. Specifically, the Healthy People 2030 campaign goals and objectives from the US Department of Health and Human Services focuses largely on the SDOH as predictors of health outcomes and causes of health inequities. These are broken down into the following five categories: economic stability, education access and quality, healthcare access and quality, neighborhood and built environment, and social community and context. (Health.gov, 2021) During these same decades, the evolution and inclusion of Electronic Health Records has enabled rich data collection and a way for healthcare providers to learn more about their patients to provide better preventive care and assist in diagnosis based on increased risk factors. Unfortunately, much of the data that is stored in patient history is still reflective of the prior paradigm that genetics and behavior are the main factors of health outcomes. While family history and behavior can be important, they need to be balanced with a more thorough understanding of SDOH that goes beyond education level and occupation. In fact, the importance of family history and risk factors likely has more value as indicators of similar upbringing and SDOH than it does genetics. This would only be valuable if similar life conditions existed between the patient and their relatives. It is also important to have a deeper understanding of the relative life conditions of the individual and how they contribute to the overall stress level in a person's life. These individual measures of stress are cumulative across all SDOH and will impact nearly all health outcomes including infectious and non-infectious diseases, accidents, and injuries leading to morbidity and mortality. (Whitehall, 2008)

The first Healthy People initiative began in 1980 by HHS and was used to track trends in health outcomes as a nation, with life expectancy and infant mortality being the main two measurements of importance. Both measurements continue to have large inequities between races, geographic location, education level, and socioeconomic status. Inequities exist among multiple datapoints including disability, obesity, cancer, asthma, diabetes, heart disease, mental illness, suicide, homicide, addiction, etc. (Singh, et al, 2016) Some of the most unfavorable outcomes exist among African Americans, Native Americans, poor, and rural individuals. While targeted studies have been completed to attempt to understand the root causes at a societal level, there is much individual variability in the reaction to the SDOH and life situation. If this data was captured and collected with patient records, this could provide vital information regarding successful interventions that can be used and targeted screenings for specific risk factors. The reinforcing loop of data will continue to produce more valuable feedback loops for future and current risk factors.

1.2 Social Screening Form in OpenEMR

The Social Screening Form available in OpenEMR was developed using questions from various screening tools and research studies as found on the SIREN website at https://sirenetwork.ucsf.edu/. SIREN is the Social Intervention and Research Network at University of California at San Francisco, sponsored by Kaiser Permanante and Robert Wood Johnson Foundation. Their mission is to improve health and health equity by advancing high quality research on health care sector strategies to improve social conditions. Additional input on categories and diagnoses was provided by the Gravity Project (https://confluence.hl7.org/pages/viewpage.action?pageId=91996855#TheGravityProject-ProjectOverview). This is a multi-year project with over 600 stakeholders from across the country that is working to standardize terms, codes, and diagnoses to assist in data capture and transfer of SDOH in EHR using FHIR.

1.3 Uses of Screening Data

There are 4 main ways that the screening data can be used:

- Greater understanding of patients in a social context that can assist in identifying higher risk attributed to Social Determinants of Health.
- Customizing prevention, intervention, and care plans to the unique social situations of each patient.
- Connecting patients to community organizations and resources to assist in providing for any urgent needs.
- Community level research to determine protective and risk factors associated with SDOH.

1.4 Form Questions, Scores, and Domains

Question			Max		
		Score	Score	Domain	SubDomain
1. What is the highest level of	Less than High School	5	5	Education	Health Literacy
education that you have completed?	High School Diploma				
	or GED	3		Education	Health Literacy
	2 Year College or				
	Vocational Degree	1		Education	
	Bachelors Degree	0		Education	
	Advanced Degree,				
	Masters or Doctorate	0		Education	
	Choose not to answer	0		Education	

2. Do you or any of your family	Yes	5	5	Disability	Stress
members have a disability?	No	0		Disability	
	Choose not to answer	0		Disability	
3. What is your housing situation	Permanent and Safe	0	5	Housing	
today?	Temporary (shelter,				Housing
	family, friends)	2		Housing	Instability
	Unsafe housing				
	(mold, exposure,				
	unclean)	2		Housing	Housing Quality
	Car, van, or mobile				Housing
	home	3		Housing	Instability
	Unsheltered (tent,	_		l	Housing
	park, vacant lot)	5		Housing	Instability
	Other	1		Hausing	Housing Instability
		1		Housing	Ilistability
4 M/hatia wawa awarant wank	Choose not to answer	0		Housing	
4. What is your current work situation? Check all that apply.	Full Time	0	9	Employment	
Situation: Check all that apply.	Part Time	0		Employment	
	Temporary	1		Employment	Financial Strain
	Seasonal or Migrant	1		Employment	Financial Strain
	Looking for Work	3		Employment	Financial Strain
	Retired	1		Employment	
	Disabled	3		Employment	Disability
	Student	0		Employment	
	Not Employed			. ,	
	Outside the Home	0		Employment	
	Choose not to answer	0		Employment	
5. How many hours do you work in a					
week?				Employment	
6. What is the total income for all					
your family in the past year? (This will					
help us know if you are eligible for					
benefits)				Finance	
7. How many people are in your				Llousobold Cito	
household? Including yourself. 8. Are you a primary caregiver for any	Not a primary			Household Size	
of the following? Check all that aplly.	Not a primary caregiver	0	25	Caregiver Status	
or the following: Check all that apily.	Children under 5	5	23		
				Caregiver Status	
	Children age 5 to 12	3		Caregiver Status	
	Children over 12	1		Caregiver Status	
	Special Needs Child	5		Caregiver Status	
	Disabled or III Adult	5		Caregiver Status	
	Elderly	5		Caregiver Status	

	Other:	1		Caregiver Status	
9. Do you or a family member owe				Financial	
money that you struggle to pay back?	No debt	0	11	Insecurity	
Check all that apply.				Financial	Medical Cost
	Medical Bills	3		Insecurity	Burden
				Financial	
	Credit Cards	1		Insecurity	
				Financial	Housing
	Rent/Mortgage	1		Insecurity	Instability
				Financial	•
	Student Loans	1		Insecurity	
				Financial	
	Taxes	1		Insecurity	
				Financial	
	Legal Fees	1		Insecurity	
				Financial	Transportation
	Car Loan or License	1		Insecurity	Insecurity
				Financial	Utility
	Utilities	1		Insecurity	Insecurity
				Financial	,
	Other	1		Insecurity	
10. In the past year, have you or a				Material	
family member struggled to pay for	No Financial Struggles	0	15	Hardship	
any of the following? Check all that				Material	
apply.	Healthy Food	3		Hardship	Food Insecurity
	Medicine or Medical			Material	Medical Cost
	Care	2		Hardship	Burden
				Material	Childcare
	Child Care or School	2		Hardship	insecurity
	Utilities (Poser,			Material	Utility
	water)	1		Hardship	Insecurity
	,			Material	Utility
	Phone, Internet	1		Hardship	Insecurity
	,			Material	Housing
	Rent or Mortgage	2		Hardship	Instability
				Material	Transportation
	Transportation	1		Hardship	Insecurity
	'			Material	Material Cost
	Clothing	1		Hardship	Burdent
	, and the second			Material	Material Cost
	Education	1		Hardship	Burdent
				Material	
	Other	1		Hardship	
11. In the past year, has lack of	No Transportation			•	
transportation prevented you or a	Problems	0	8	Transportation	

Work or Meetings 2 Transportation Insecurity Childcare School or Childcare 1 Transportation Insecurity Visit Family or Friends 1 Transportation Social Isolation Other 1 Transportation 12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No Insurance 3 Access Uninsured Copay or Deductible is too high 2 Access Burden Needed care is not Medical Care Medical Care Medical Cost Medical Care	ly member from any of the					Access to
Food 2 Transportation Food Insecur Work or Meetings 2 Transportation Insecurity Work or Meetings 2 Transportation Insecurity Childcare School or Childcare 1 Transportation Insecurity Visit Family or Friends 1 Transportation Social Isolation Other 1 Transportation 12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No Insurance 3 Medical Care Access Uninsured Copay or Deductible Medical Care Medical Cost is too high 2 Access Burden Needed care is not Medical Care	wing? Check all that apply.		1		Transportation	Medical Care
Work or Meetings 2 Transportation Insecurity Childcare School or Childcare 1 Transportation Insecurity Visit Family or Friends Other 1 Transportation 12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No Insurance No Insurance School or Childcare 1 Transportation Medical Care Medical Care 13 Access Medical Care Medical Care Medical Care Medical Care Medical Cost is too high Needed care is not Medical Care		1	2		Transportation	Food Insecurity
Childcare School or Childcare 1 Transportation Insecurity Visit Family or Friends 1 Transportation Social Isolation Other 1 Transportation 12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No Insurance 3 Access Uninsured Copay or Deductible is too high 2 Access Burden Needed care is not Medical Care		Work or Meetings	2		Transportation	Employment Insecurity
School or Childcare 1 Transportation Insecurity Visit Family or Friends 1 Transportation Social Isolation Other 1 Transportation 12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No Insurance 3 Medical Care Access Uninsured Copay or Deductible is too high 2 Access Burden Needed care is not Medical Care						
Other 1 Transportation 12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No lnsurance 3 Access Uninsured Copay or Deductible is too high 2 Access Burden Needed care is not Medical Care		School or Childcare	1		Transportation	
12. In the past year, have you or a family member not gotten medical care because of any of the following? Check all that apply. No Insurance No Insurance Sopay or Deductible is too high Needed care is not No delayed medical care Medical Care Access Uninsured Medical Care		Visit Family or Friends	1		Transportation	Social Isolation
family member not gotten medical care because of any of the following? Check all that apply. No Insurance 3 Access Medical Care		Other	1		Transportation	
care because of any of the following? Check all that apply. No Insurance Copay or Deductible is too high Needed care is not Medical Care	n the past year, have you or a	No delayed medical			Medical Care	
Check all that apply. No Insurance Copay or Deductible is too high Needed care is not No Insurance Access Uninsured Medical Care Access Burden Medical Care	•	care	0	13	Access	
Copay or Deductible Medical Care Medical Cost is too high 2 Access Burden Needed care is not Medical Care	-				Medical Care	
is too high 2 Access Burden Needed care is not Medical Care	k all that apply.	No Insurance	3		Access	Uninsured
Needed care is not Medical Care		' '			Medical Care	Medical Cost
			2			Burden
covered by insurance 2 Access Underinsured						
			2			Underinsured
						Employment
off work 1 Access Insecurity		off work	1			Insecurity
Medical Care						
No provider available 1 Access		_ ·	1		Access	
Did not understand						
provider Medical Care		l'				
			1			Health Literacy
Lack of trust in Medical Care			4			
medical care 1 Access		medical care	1			Children or
Medical Care Childcare		No obild some				
No child care 1 Access Insecurity		No child care				Insecurity
Other 1 Access		Othor	1			
13. In the past year, have you and Medical Care	n the past year, have you and	Other				
your family members seen dentists? Yes 0 4 Access	· · · · · · · · · · · · · · · · · · ·	Vec	٥	1		
Medical Care	ranny members seen dentists.	163				
		No. not insured	1			Underinsured
Medical Care			_			
No, need dentist 1 Access		No. need dentist	1			
						Employment
time off work 1 Access Insecurity		1 -	1			1 ' '
Medical Care					Medical Care	,
No, other 1 Access		No, other	1		Access	
Medical Care						
Choose not to answer 0 Access			0		Access	
14. How often do you see or talk toLess than once a36 Social Support	•		3	6	Social Support	
close to? (For example: talking to 1 time a week 2 Social Support	to? (For example: talking to	1 time a week	2			

friends on the phone, visiting friends	2-3 times a week	1		Social Support	
or family, going to church or club	4-5 times a week	0		Social Support	
meetings)	Almost every day	0		Social Support	
	Choose not to answer	0		Social Support	
15. Stress is when someone feels	Not at all	0	6	Stress	
tense, nervous, anxious, or can't	A little bit	0		Stress	
sleep at night because their mind is	Somewhat	1		Stress	
troubled. How stressed are you?	Quite a bit	2		Stress	
	Very Much	3		Stress	
	Choose not to answer	0		Stress	
16. In the past year, have you had any	No Stressful Life			50.055	
of the following stressful life events	Events	0	35	Stress	
occur? Check all that apply.	Death of a loved one	5		Stress	Social Isolation
	Divorce or separation	3		Stress	Social Isolation
	,				Employment
	Loss of Job	3		Stress	Insecurity
	Moved	2		Stress	
	Major illness or injury	3		Stress	Disability
	Victim of a crime	3		Stress	
	Witness of a crime or				
	accident	1		Stress	
	Legal issues	2		Stress	
	Homeless	3		Stress	Housing Insecurity
	Incarcerated	3		Stress	Incarceration
					Financial
	Bankruptcy	3		Stress	Insecurity
	Marriage	1		Stress	
	Birth of a child	1		Stress	
	Child moving out	1		Stress	
	Other	1		Stress	
17. Do you feel safe walking and living				Neighborhood	
in your neighborhood?	Yes, all the time	0	3	Safety	
				Neighborhood	
	Yes, during the day	1		Safety	Physical Safety
	No	3		Neighborhood Safety	Physical Safety
	110			Neighborhood	1 Hysical Salety
	Choose not to answer			Safety	
18. In the past year, have you or a				Intimate	
family member been afraid of a				Partner	
partner or ex-partner?	Yes	5	5	Violence	Physical Safety

				Intimate	
		_		Partner	
	No	0		Violence	
				Intimate	
	Choose not to answer	0		Partner Violence	
19. In the past year, have you been a	Yes	3	3	Demographics	Stress
female headed household?	No	0		Demographics	
	Choose not to answer	0		Demographics	
20. In the past year, have you or	Yes	3	3	Addiction	Stress
anyone in your family struggled with	No	0		Addiction	56.633
addiction?	Choose not to answer	0		Addiction	
21. Have you ever been discharged	Yes	3	3	Armed Services	
from the Armed Services?	No	0		Armed Services	
	Choose not to answer	0		Armed Services	
22. Are you a refugee?	Yes	5	5	Refugee	Stress
	No	0		Refugee	
	Choose not to answer	0		Refugee	
23. In the past year, have you been	No Discrimination		27	Discrimination	
discriminated against because of any	Race/Ethnicity	5		Discrimination	Stress
of the following? Check all that apply.	Gender	2		Discrimination	Stress
	Sexual Preference	3		Discrimination	Stress
	Gender Expression	3		Discrimination	Stress
	Religion	2		Discrimination	Stress
	Disability	3		Discrimination	Stress
	Age	1		Discrimination	Stress
	Weight	1		Discrimination	Stress
	Socioeconomic Status	1		Discrimination	Stress
	Education	1		Discrimination	Stress
	Marital Status	1		Discrimination	Stress
	Citizenship	1		Discrimination	Stress
	Accent or Language	1		Discrimination	Stress
	Criminal History	1		Discrimination	Stress
	Other	1		Discrimination	Stress
24. In what situations have you been	No Discrimination	0	10	Discrimination	
discriminated in? Check all that apply.	Employment	1		Discrimination	Employment Insecurity
					Housing
	Housing	1		Discrimination	Insecurity
	Health Care	1		Discrimination	Medical Care Access
	Law Enforcement	1		Discrimination	Physical Safety

	Education	1	Discrimination	
	In Public (Shopping,			
	Dining, Parks)	1	Discrimination	
	Religious or Civic Organizations	1	Discrimination	
	Government	1	Discrimination	
	Banks or Finance Services	1	Discrimination	Financial Strain
	Other	1	Discrimination	
25. Would you like to be contacted	Yes, by phone			
with resources or assistance?	Yes, by email			
	Yes, by portal			
	message			
	No			
	Other			

1.5 Scoring

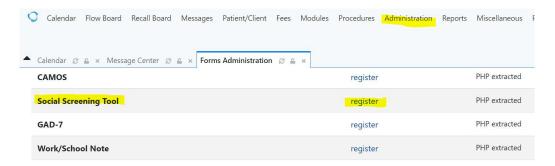
The scoring is not intended to be used as a diagnostic tool with normal ranges. Each practice and neighborhood will have a variety of situations and scores among their patients. This score can be used as a baseline for each patient or practice to evaluate on an individual level.

1.6 Timing

It is recommended that this form is given before first appointment and then followed up every year for changes. Patients will be more truthful if they are able to fill out the form on their own via patient portal or given a tablet to complete privately. Please note that all studies involving SDOH surveys showed that most patients responded favorably to answering these questions when told that it will help their provider learn about them to give better health care. It would be beneficial if each provider included a message with the link to the form that explains what Social Determinants of Health are and that they account for over 50% of health outcomes. Most people are glad to hear that some of their health issues are not due to their behavior or genetics.

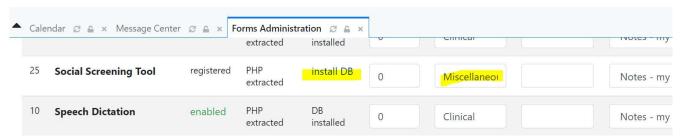
2 Form Setup

2.1 Register in OpenEMR Forms Administration:

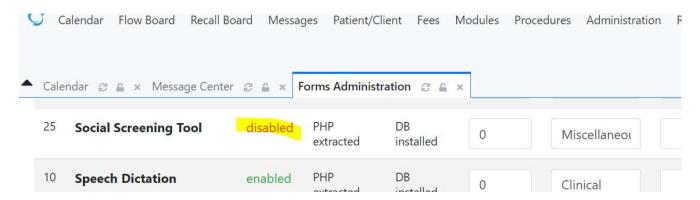


2.2

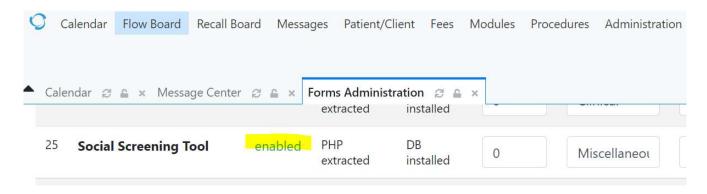
2.3 Install DB (note that it will go to Miscellaneous folder)



2.4 Enable the form (click on disabled)

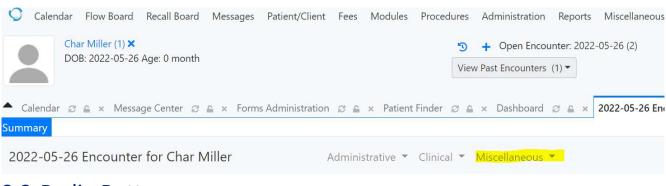


2.5 Confirm Enabled



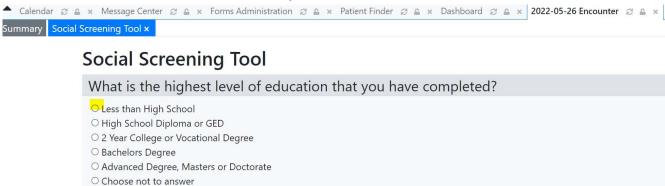
3 Using the Social Screening Form

3.1 Opening via Encounter, click on "Miscellaneous"



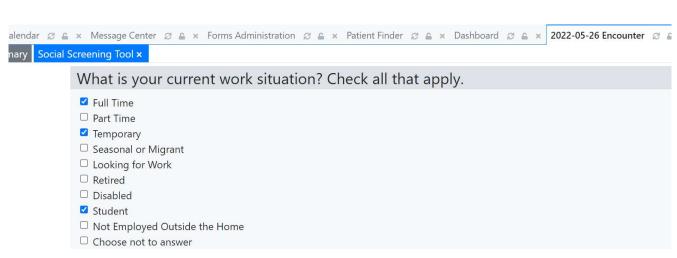
3.2 Radio Buttons

The circle buttons are radio buttons and only one can be chosen at a time.



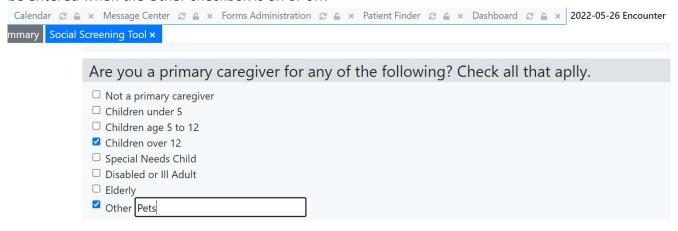
3.3 Checkbox

The square buttons are checkboxes and multiple can be checked.



3.4 Other Input Fields

In some of the questions there are "Other" input boxes. These fields are 30 characters long and can be entered when the Other checkbox is on or off.



3.5 Number Inputs

There are 3 questions that have integer input fields: Hours Worked (number between 0 and 200), Household Income (number between 0 and 10,000,000), and Household Size (number between 1 and 20).



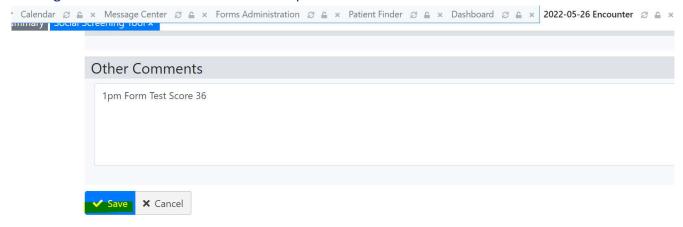
3.6 Scoring

The score is set to calculate every time the form is touched. The points are determined from the table in section 1.4.



3.7 Saving

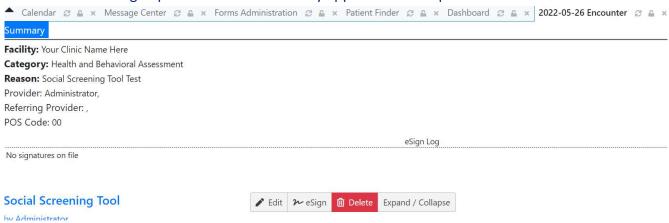
Clicking the Save button on the bottom will post the data to the SQL table.



4 Social Screening Report

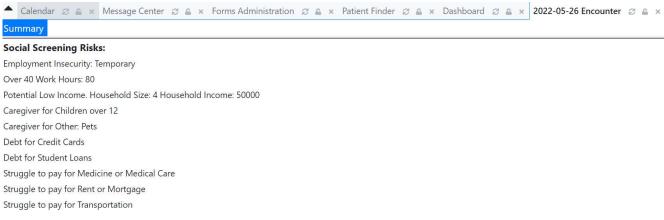
4.1 Location

The Social Screening Report will be automatically appended to the patient Encounter record.



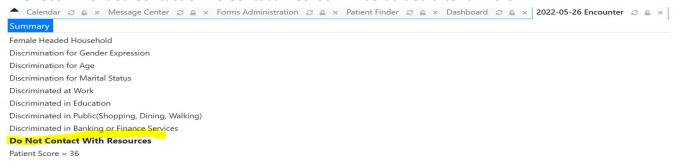
4.2 Social Screening Risks

These risks are determined and listed based on the answers in the form. If they have not checked any risk factors then this will simply say "No Social Screening Risks"



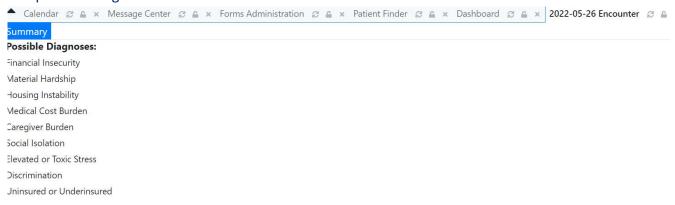
4.3 Contact and Score

The recommended Contact or No Contact method will be bolded after all risks.



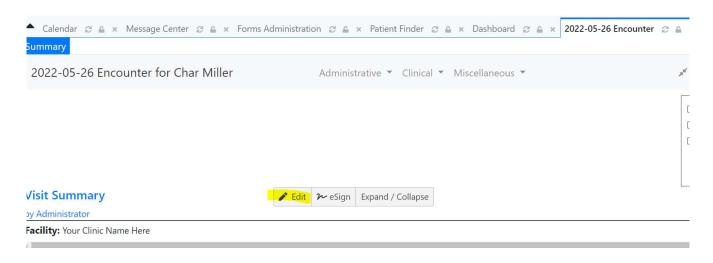
4.4 Possible Diagnoses

The possible diagnoses are listed based on the answers and attached domains.



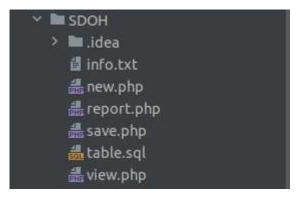
4.5 Reopening Form

In order to reopen and change the answers, simply click on the Edit button at the top of the report. This will bring up the original form with all the previous answers pre-populated.



5 Technical Documentation

5.1 PHP Location: OpenEMR/Forms/SDOH



5.2 Info.txt

This file contains the name that appears in Forms Administration.

```
new.php info.txt report.php save.php Social Screening Tool
```

5.3 New.php

This php file contains the HTML code that displays the form, allows edit of form, javascript for scoring, and save function to SQL.

5.4 Report.php

This contains the code for the report that displays on the encounter summary in patient record. The first section displays the Social Risks determined from specific answers and the bottom section shows the possible diagnoses.

```
# save.php # info.txt # report.php # save.php # save.ph
```

5.5 Save.php

This contains the code and SQL insert for a new form or update for a form edit.

```
mew.php  info.txt  in
```

5.6 Table.sql

This is the Table Create script that is run when adding the form in forms administration.

```
anew.php
              info.txt
                           a report.php
                                           識 save.php
                                                         🚋 table.sql
No data sources are configured to run this SQL and provide advanced code assistan
        CREATE TABLE IF NOT EXISTS 'form_sdoh' (
        id bigint(20) NOT NULL auto_increment,
        date datetime default NULL,
        pid bigint(20) default NULL,
        user varchar(255) default NULL,
        groupname varchar(255) default NULL,
        activity tinyint(4) default NULL,
        education varchar(30),
        disability varchar(30),
        housing varchar(30),
        housingotherinput varchar(30),
```

5.7 View.php

This code is run when the "Edit" button is selected for the form and it points the code to the New.php.

```
# new.php info.txt # report.php # save.php # table.sql # view.php

include("new.php");

}
```

6 Changes to the form

6.1 Adding Fields to Radio Button Questions

Each Radio Question points to one varchar(30) column in the SQL table. Therefore, answers can be added with an insert to the new.php code.

6.1.1 Changes in New.php

First, find the question in the code. For this example we will add another selection to the Disability Question:

Copy the 4 lines of the first radio selection to below it. Update the label in the 'Yes' selection to 'Yes – Self'. Then update the id, value, and label to 'Yes – Family'.

6.1.2 Add in Scoring

Next go to the top of New.php to add in a line for scoring. For this example, we'll add 3 points to disabilityfamily and leave disabilityyes with 5.

```
det totalscore = 0;
if (document.getElementById('lessthanhs').checked == true) {totalscore +=5; }
if (document.getElementById('highschool').checked == true) {totalscore +=3; }
if (document.getElementById('associate').checked == true) {totalscore +=1; }
if (document.getElementById('disabilityyes').checked == true) {totalscore +=5; }
if (document.getElementById('disabilityfamily').checked == true) {totalscore +=3; }
if (document.getElementById('housetemporary').checked == true) {totalscore +=2; }
if (document.getElementById('housetemporary').checked == true) {totalscore +=2; }
if (document.getElementById('housetemporary').checked == true) {totalscore +=3; }
```

6.1.3 Add in Report.php for Risks

To ensure that it gets added into the Social Screening Risks list, copy the 3 rows for disabilityyes and update the value and lable.

6.1.4 Add in Report.php for Diagnoses

In this case we do not have a separate Diagnoses for "Disability" so I copied lines from a different diagnoses and created one for "Disability". For radio boxes, the first field is the name of the radio button or SQL column, and the second field is the value.

6.2 Adding Fields to Checkbox Questions

Each Checkbox in the multi-check questions corresponds to its own SQL column so there are a few more steps when adding Checkbox Fields

6.2.1 Add in New.php

This example is adding test1 and test2 ids to the checkbox question by copying the lines from above.

6.2.2 Add in Scoring on New.php

Similar to the radio, this should also be added to the score if it is a risk.

```
defunction CalculateTotal() {
    let totalscore = 0;
    if (document.getElementById('lessthanhs').checked == true) {totalscore +=5; }
    if (document.getElementById('highschool').checked == true) {totalscore +=3; }
    if (document.getElementById('associate').checked == true) {totalscore +=1; }
    if (document.getElementById('disabilityyes').checked == true) {totalscore +=5; }
    if (document.getElementById('disabilityfamily').checked == true) {totalscore +=3; }
    if (document.getElementById('housetemporary').checked == true) {totalscore +=2; }
    if (document.getElementById('housetemporary').checked == true) {totalscore +=2; }
    if (document.getElementById('housecar').checked == true) {totalscore +=3; }
```

6.2.3 Add in Report.php for Risks

Add the Risks into the top section of Report.php.

6.2.4 Add in Report.php for Diagnoses

A new section for test diagnoses was added and copied from the lines above it.

6.2.5 Add in Save.php for input into SQL table

There are 2 separate sections for the Save.php code. Be sure to add the new field to both sections.

And on the bottom section:

6.2.6 Add into Table.sql

The last step in PHP is to add the columns to the SQL table.

```
careno varchar(5) default NULL,
careunder5 varchar(5) default NULL,
test1 varchar(5) default NULL,
test2 varchar(5) default NULL,
care5to12 varchar(5) default NULL,
careover12 varchar(5) default NULL,
```

- 6.2.7 Save and Export Code
- 6.2.8 Disable and Remove Form from Forms Administration
- 6.2.9 Reregister and enable Form
- 6.3 Add Input Field

There are a few different types of fields that can be added from the examples already in the forms. Note that these will always require the same steps as the Checkbox additions since they will require new columns. Please refer to steps 6.2.2 to 6.2.9 above.

6.3.1 Integer Field Examples

```
<
```

6.3.2 Text Field (Other Input)

Note that on the Other Input fields, the field is within the same div tag as the Other checkbox so it appears on the same line. If you would like it to be a separate line and question than you can use the Number input format but change the type and size references.

6.3.3 Text Field (Additional Notes)

The Additional Notes field at the bottom is a larger text area with separate rows.

7 Appendix

7.1 Sample Form - Social Screening Tool

1.	What is the highest level of education that you have completed?
	C Less than High School
	High School Diploma or GED
	^O 2 Year College or Vocational Degree
	Bachelors Degree
	Advanced Degree, Masters or Doctorate
	Choose not to answer
2.	Do you or any of your family members have a disability?
	Yes
	^C No
_	Choose not to answer
3.	
	Permanent and Safe
	Temporary (shelter, family, friends)
	Unsafe housing (mold, exposure, unclean)
	Car, van, or mobile home
	Unsheltered (tent, park, vacant lot)
	Other:
	Choose not to answer
4.	11 5
	Full Time
	Part Time
	Temporary
	Seasonal or Migrant
	Looking for Work
	Retired
	Disabled
	Student
	Not Employed Outside the Home
	Choose not to answer
5.	How many hours do you work in a week? What is the total income for all your family in the past year? (This will help us know if you are
6.	What is the total income for all your family in the past year? (This will help us know if you are eligible for benefits)

		ow many people are in your household? Including yourself. e you a primary caregiver for any of the following? Check all that aplly.
		Not a primary caregiver
		Children under 5
		Children age 5 to 12
		Children over 12
		Special Needs Child
		Disabled or Ill Adult
		Elderly
		Other
9.	Do	you or a family member owe money that you struggle to pay back? Check all that apply.
		No debt
		Medical Bills
		Credit Cards
		Rent/Mortgage
		Student Loans
		Taxes
		Legal Fees
		Car Loan or License
		Utilities
		Other
10		the past year, have you or a family member struggled to pay for any of the following? Check that apply.
		No Financial Struggles
		Healthy Food
		Medicine or Medical Care
		Child Care or School
		Utilities (Power, water)
		Phone, Internet
		Rent or Mortgage
		Transportation
		Clothing
		Education
		Other
11.		the past year, has lack of transportation prevented you or a family member from any of the lowing? Check all that apply.

		No Transportation Problems
		Medical Care
		Access to Healthy Food
		Work or Meetings
		School or Childcare
		Visit Family or Friends
		Other
12.		the past year, have you or a family member not gotten medical care because of any of the lowing? Check all that apply.
		No delayed medical care
		No Insurance
		Copay or Deductible is too high
		Needed care is not covered by insurance
		Not able to take time off work
		No provider available
		Did not understand provider recommendations
		Lack of trust in medical care
		No child care
		Other
13.		the past year, have you and your family members seen dentists?
	0	105
	0	No, not insured
	0	No, need dentist
	0	No, not able to take time off work
	0	No, other
	\circ	Choose not to answer
14.	tall	w often do you see or talk to people that you care about or feel close to? (For example: king to friends on the phone, visiting friends or family, going to church or club meetings)
	_	Less than once a week
	0	1 time a week
	0	2-3 times a week
	0	4-5 times a week
	0	Almost every day
15.		Choose not to answer ess is when someone feels tense, nervous, anxious, or can't sleep at night because their mind roubled. How stressed are you?

	\circ	Not at all
	\circ	A little bit
	\circ	Somewhat
	\circ	Quite a bit
\circ		Very Much
	\circ	Choose not to answer
16.		the past year, have you had any of the following stressful life events occur? Check all that
		oly.
		No Stressful Life Events
		Death of a loved one
		Divorce or separation
		Loss of job
		Moved
		Major illness or injury
		Victim of a crime
		Witness of a crime or accident
		Legal Issues
		Homeless
		Incarcerated
		Bankruptcy
		Marriage
		Birth of a child
		Child moving out
		Other
17.	Do	you feel safe walking and living in your neighborhood?
	\circ	Yes, all the time
	\circ	Yes, during the day
	\circ	No
	\circ	Choose not to answer
18.		the past year, have you or a family member been afraid of a partner or ex-partner?
		Yes
		No
	0	Choose not to answer
19.		the past year, have you been a female headed household?
		Yes
	0	No

	\circ	Choose not to answer
20.	In	the past year, have you or anyone in your family struggled with addiction?
	\circ	Yes
	\circ	No
	\circ	Choose not to answer
21.		ve you ever been discharged from the Armed Services?
		Yes
	\circ	No
		Choose not to answer
22.		e you a refugee?
		Yes
		No
	0	Choose not to answer
23.		the past year, have you been discriminated against because of any of the following? Check that apply.
		No Discrimination
		Race/Ethnicity
		Gender
		Sexual Preference
		Gender Expression
		Religion
		Disability
		Age
		Weight
		Socioeconomic Status
		Education
		Marital Status
		Citizenship
		Accent or Language
		Criminal History
		Other
24.	In '	what situations have you been discriminated in? Check all that apply.
		No Discrimination
		Employment
		Housing
		Health Care

	Law Enforcement		
	Education		
	In Public (Shopping, Dining, Parks)		
	Religious or Civic Organizations		
	Government		
	Banks or Finance Services		
	Other		
25. Would you like to be contacted with resources or assistance?			
0	Yes, by phone		
0	Yes, by email		
0	Yes, by portal message		
0	No		
\circ	Other		
Your total score is			
Other Con	nments		
	_		
	_		
L	<u> </u>		

7.2 SDOH Infographics

7.2.1 Healthy People 2030

Social Determinants of Health



Social Determinants of Health Copyright-free

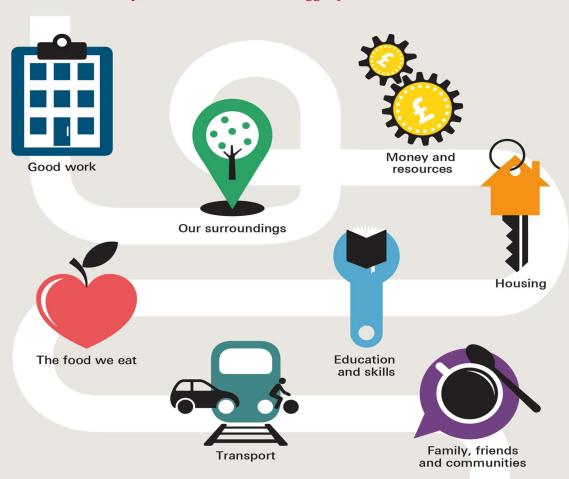
Healthy People 2030

7.2.2 The Health Foundation, UK

What makes us healthy?

Good health matters, to individuals and to society. But we don't all have the same opportunities to live healthy lives.

To understand why, we need to look at the bigger picture:



The healthy life expectancy gap between the most and least deprived areas in England is over

18 YEARS

Find out more: health.org.uk/what-makes-us-healthy

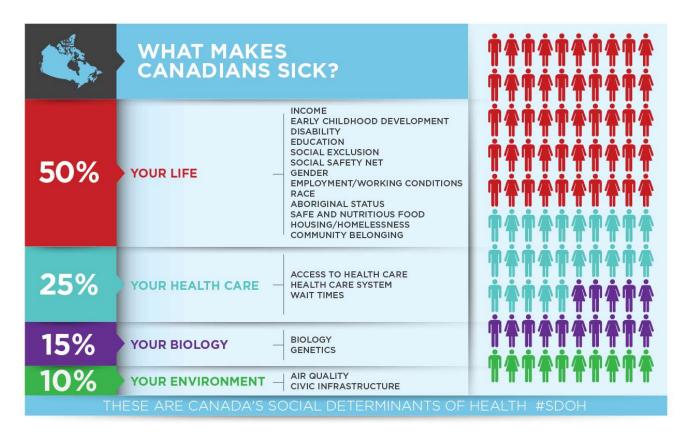


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7.2.3 Bruin Medical Review



7.2.4 The Homeless Hub, Canada



7.2.5 American Hospital Association



COMMUNITY

SYSTEMIC CAUSES

The fundamental causes of the social inequities that lead to poor health.



SOCIAL DETERMINANTS OF HEALTH

Underlying social & economic conditions that influence people's ability to be healthy.

PERSON

SOCIAL NEEDS

Individuals' non-medical, social or economic circumstances that hinder their ability to stay healthy and/or recover from illness.