



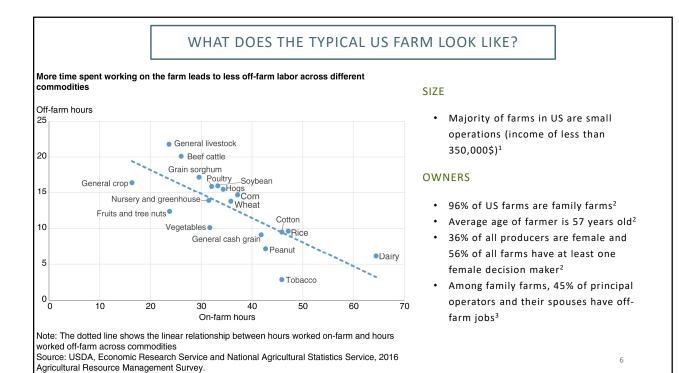
## PROBLEM STATEMENT

Farmers experience high rates of stress, anxiety, depression, and suicide. These are due to unique stressors of owning and working the farm as well as physical and social barriers to accessing mental health care services. Occupational therapists are in a position to assess and address mental health conditions in farmers and refer farmers and their families to mental health resources online and in their community.











#### FARMER MENTAL HEALTH

#### PREVALENCE

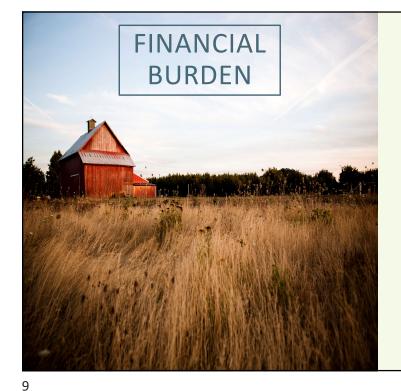
- Farmers have a higher rate of suicide compared to the general population and across other workforces.
- One 2016 report found that the suicide rate among male farmers was 43 per 100,000 compared to 27 per 100,000 for males across all occupations.<sup>4</sup>
- In a 2021 study, researchers found that
   29.3% of agricultural producers met the criteria for depression compared to 8.4% of all U.S. adults and 27% met the criteria for generalized anxiety disorder (GAD) compared to 19% in the general population. <sup>5,6</sup>

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- Among the highest rates of injury and illness across other occupational sectors, though rates have been found to be underreported.<sup>7</sup>
- Farmers have chronic conditions due to aging and years of demanding physical work and exposure to hazards on the farm.<sup>8</sup>
- One 2018 study found that 19% of farmers had a disability. The most prevalent disabilities among them were physical difficulties and hearing difficulties.<sup>9</sup>
- 33% of farmers who committed suicide were reported to have a precipitating health condition compared to 20% in the general population.<sup>10</sup>

#### CHRONIC ILLNESS AND PAIN





#### $\mathsf{INCOME} \neq \mathsf{PROFIT}$

- Average farm income is \$43,053<sup>2</sup>
- Around 43% of farms had positive net cash farm income in 2017<sup>2</sup>

# RISK ASSOCIATED WITH FARMING<sup>11</sup>

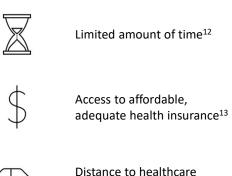
- Production risk
- Price or market risk
- Financial risk
- Institutional risk
- Human or personal risk

# ACCESS TO MEANS

- 74% of farmer suicides were by firearm compared to 50% in the general population<sup>10</sup>
- Farmers have access to other means on the farm (machinery, chemicals, etc.)<sup>10</sup>

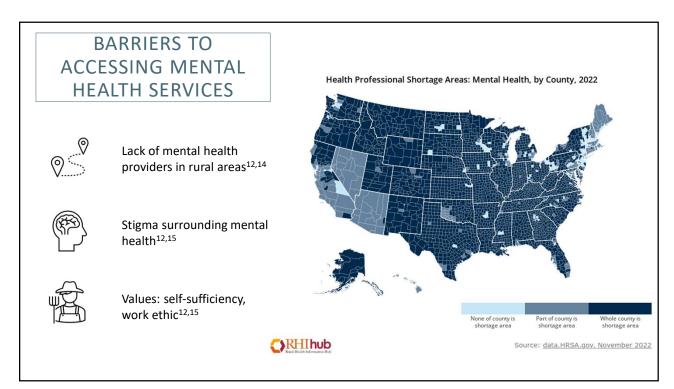


### **BARRIERS TO** ACCESSING HEALTHCARE



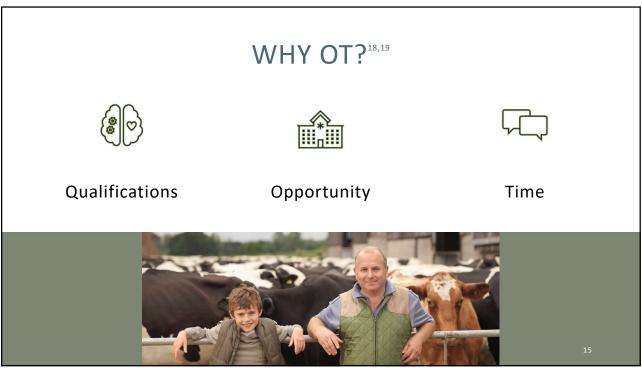
Distance to healthcare facilities<sup>12</sup>

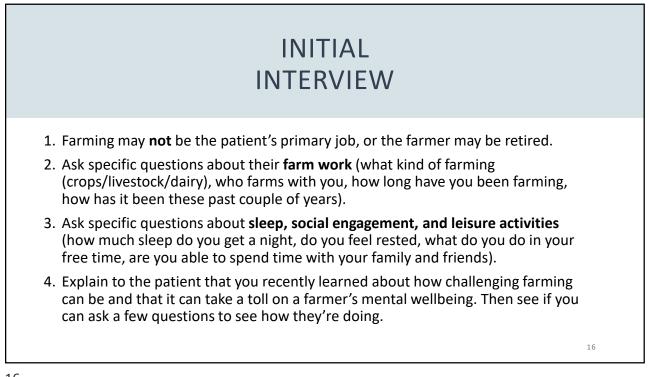


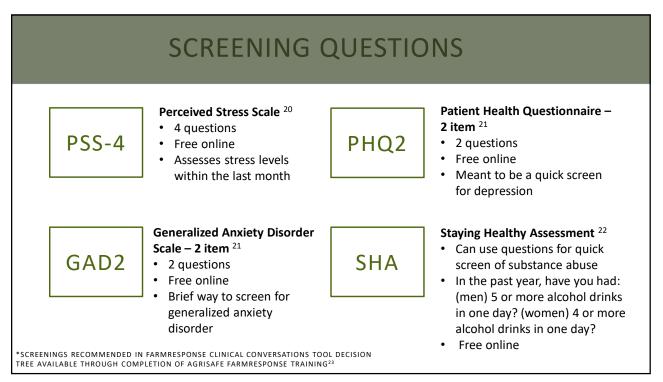












			tructions: following questions ask how	you have sough	nt to cope with	n a hardship in yo	ur life. Read
Cost: Free – availab	le online	the	statements and indicate how		been using e	ach coping style.	~
<ul> <li>Administration time: approximately 10</li> </ul>				I haven't been doing this at all	A little bit	A medium amount	I've been doing this a lot
minutes		1	I've been turning to work or other activities to take my mind off things.	1	2	3	4
<ul> <li>Use to see what coping strategies a</li> </ul>		2	I've been concentrating my efforts on doing something about the situation I'm in.	1	2	3	4
person uses in times of stress		з	I've been saying to myself "this isn't real".	1	2	3	4
person uses in time	s of stress	4	I've been using alcohol or other drugs to make myself feel better	1	2	3	4
		5	I've been getting emotional support from others.	1	2	3	4
Contains 14 subscal		6	I've been giving up trying to deal with it.	1	2	3	4
<ul> <li>Active coping</li> </ul>	<ul> <li>Using instrumental</li> </ul>	7	I've been taking action to try to make the situation better.	1	2	3	4
- Planning	support	8	I've been refusing to believe that it has happened.	1	2	3	4
<ul> <li>Positive reframing</li> </ul>	<ul> <li>Self-distraction</li> </ul>	9	I've been saying things to let my unpleasant feelings escape.	1	2	3	4
- Acceptance	- Denial	10	I've been getting help and advice from other people.	1	2	3	4
- Humor	- Venting	11	I've been using alcohol or other drugs to help me get through it.	1	2	3	4
- Religion	- Substance use	12	I've been trying to see it in a different light, to make it seem more positive.	1	2	3	4
- Using emotional	- Behavioral	13	I've been criticizing myself.	1	2	3	4
support	disengagement	14	I've been trying to come up with a strategy about what to do.	1	2	3	4
22 P P O I C	- Self-blame	15	I've been getting comfort and understanding from someone.	1	2	3	4
	Sen Blame	16	I've been giving up the attempt to cope.	1	2	3	4

#### ASSESSMENTS – LIFE BALANCE INVENTORY (LBI)<sup>25</sup>

- Cost: Free available online
- Administration time: approximately 10 minutes
- Outcomes:
  - Overall life balance score
  - Subcategory scores (health, relationships, challenge, and identity)
  - Stress level using the Perceived Stress Scale
  - Use to identify areas of occupation that may be unbalanced (social engagement, leisure, etc.) and specific activities a farmer may want to spend more time doing

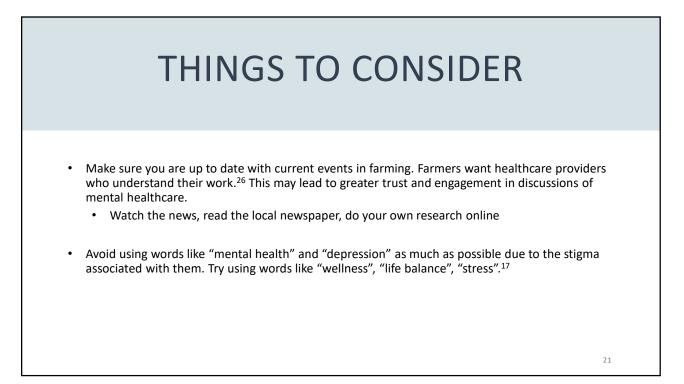
Your overall life balance score	2.45	
Your score indicates how satisfied you are with the match between how much time you <i>desire</i> doing all your activities and how much time you are <i>actually</i> doing the activities.	(moderately balanced)	
Health subcategory score	2.17	
These are the activities you do or want to do that are considered important for physiological health:	(moderately balanced)	
<ul> <li>Taking care of personal hygiene and bathing</li> <li>Getting adequate sleep</li> <li>Relaxing</li> <li>Getting regular exercise</li> <li>Eating nutritiously</li> <li>Managing your health needs</li> </ul>		
Your score indicates how satisfied you are with the match between how much time you <i>desire</i> doing these activities and how much time you are <i>actually</i> doing the activities.		
These are the activities considered important for physiological health that you do NOT do or want to do:		
Relationship subcategory score	2.70 (very balanced)	
These are the activities you do or want to do that are considered important for relationships:		
<ul> <li>Doing things with family members</li> <li>Doing things with spouse/significant other</li> <li>Doing things with friends</li> <li>Taking care of children or family members</li> <li>Having an intimate sexual relationship</li> <li>Participating in groups (clubs, classes, etc.)</li> <li>Meeting new people</li> </ul>		

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# ADDRESSING MENTAL HEALTH IN TREATMENT SESSION

- 1. Take client to a private area to do exercises/activities
- 2. Use information from the initial interview to **initiate conversation** on engagement in occupations.
- 3. Have client complete self-report questionnaires/assessments at home and bring results to next session. **Discuss any red flags** identified.
- 4. Once red flags have been identified, provide client with **appropriate resources**. If you have immediate concerns about their safety, discuss with supervisor and follow workplace protocol.
- 5. Depending on the situation, **take the time to call** the help hotline, general practitioner, mental health counselor, etc. with the client. You could also input the numbers into their phone or show them the online resource on your own computer.

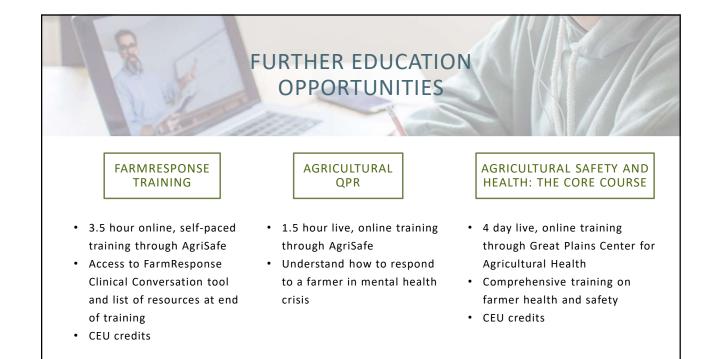
**REMEMBER**: Asking a person if they've ever thought about suicide or have a plan to commit suicide does **NOT** make them more likely to commit suicide.













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