

AgriSafe NetworkLinda Emanuel, BSN, RN

OPTIMIZING THE HEALT OF WOMEN IN AGRICULTURE



rotecting the People Who Feed the Work

Protecting the People Who Feed the World

AgriSafe protects the people who feed the world by:

- Performing ongoing needs assessments of agricultural producers and workers (following the Total Farmer Health® model).
- Training rural health professionals across the United States.
- Establishing partnerships with NIOSH ag. centers, rural research centers, and other non-governmentbased organizations.
- Maintaining a culture of readiness and organizational expectation to protect and respond.



Protecting the People Who Feed the World





GOALS

Identify

Discuss

Review

Identify a minimum of four factors related to women's health and safety in agriculture. Discuss solutions including health approaches that address the safety and health challenges faced by women in agriculture. Review a minimum of three recommended clinical and community health resources that can be used to prevent farm & ranch related illness and injuries among women.

Women in Agriculture

- > They're Secondary Operators
- They're Mothers
- They're Agricultural board/advisory council members
- They're Sustainable Ag literacy advocates
- > They're Farm Managers
- They're Animal husbandry experts
- They're Entrepreneurs
- They're Bookkeepers
- > They're Family Mediators
- They're Businesswomen
- > And They're Farmers

FROM THE HOME FRONT TO THE FOREFRONT



Protecting the People Who Feed the World



United States Department of Agriculture

#WomenInAg

1,224,726

Women Farmers in the **United States**

National Agricultural Statistics Service, 2024a

407,340,844

Acres

National Agricultural Statistics Service, 2024a

\$12.9 billion

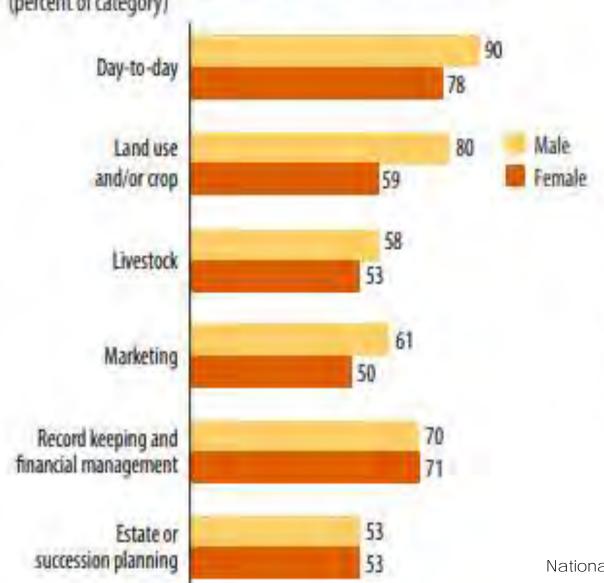
Economic Impact

University of Georgia, n.d.

38.7%

of American Farmers are Women

National Agricultural Statistics Service, 2024a



Farm Decision Making by Type of Decision and Sex of Producer, 2022 (percent of category)

Male producers had higher rates of involvement in land use and/or crop, livestock, and marketing decisions than female producers.

Female producers were most involved in day-to-day, record keeping and financial management decisions.

- Themes of Masculinity and Farming
- Increasing Number of Women taking active and equal roles
- This study illustrates obstacles to female self perception as well as the ability for women to adapt, even as the institution of farming does not.

Smyth et al., 2018

SELF PERCEPTION WOMEN FARMERS



Photo credit: W Production





MIGRANT WORKERS ESTIMATES BETWEEN 2.4 MILLION HIRED FARMWORKERS IN THE US, INCLUDING MIGRANT, SEASONAL, YEAR-ROUND, AND GUEST PROGRAM WORKERS. (MIGRANT CLINICIANS NETWORK, N.D.)

72% Men; 28% women; Avg. age 39.7 years

HRSA defines as at least 51% of income is derived from agricultural employment at any time within the past 24 months or prior to retirement or disability.

Migrant- (moves for employment and provides temporary home for purposes of employment).

Seasonal – Does not move for employment, works seasonally not year-round.

Economic Research Service, 2021



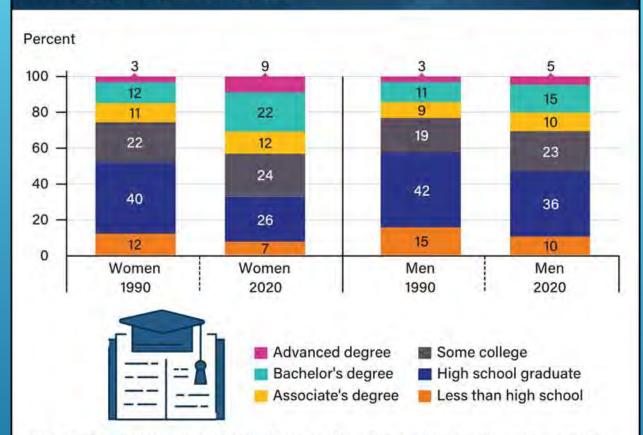
Photo Credit- Agri-Pulse Feb 14, 2018 Simon Schuster

Educational attainment of rural young adults by gender, 1990 and 2020



Economic Research Service

U.S. DEPARTMENT OF AGRICULTURE



Notes: Numbers may not sum to 100 percent because of rounding. Rural is synonymous with non-metro status as determined by U.S. Office of Management and Budget's 2013 metropolitan area definitions. Data reflects individuals between 25 and 34 years of age.

Source: USDA, Economic Research Service using the 1990 5% State Sample from the U.S. Census and 2020 5-Year estimates.

EDUCATION OF WOMEN FARMERS

Economic Research Service, 2022

TOTAL FARMER HEALTH®









PREVALENCE

The range of farm activities compound the problem of assuring a safe worksite for farm women who have their own inherent contraindications.

The National Institute for Occupational Safety & Health (NIOSH) lists numerous women's safety and health issues related to an agricultural job including:

- acute and chronic pesticide exposures,
- chronic bronchitis among nonsmoking farm women,
- pregnancy related risks,
- farm work-related injuries,
- exposures to inhaled substances in the workplace and
- risk factors for female infertility in an agricultural region.
- Prater, 2022



HEALTH AND SAFETY EDUCATION

Safety education for the agricultural population is often aimed at the men in farming operations, resulting in women in agriculture being less prepared to prevent acute injuries, illness, and long-term chronic conditions related to agricultural work.

Occupational health research on farm workers struggles to incorporate gender analysis into research design and analytical approaches. The role of gender in shaping health outcomes is evident in occupational health research.

Habib et al., 2014



- Each farm family has its own set of values that are influenced by the family's ethnicity, socioeconomic status, level of education, and cultural traditions
- These values influence the division of labor on farms, and women's potential exposure to multiple roles, factors contributing to occupational illness, stress, fatigue, and agricultural injuries.

CULTURAL CONSIDERATIONS



Weinert & Burman, 1994

HEALTH DISPARITIES – RURAL WOMEN

- Poorer Health Outcomes
- Less Access to Care than Urban Women
- > Limited numbers of Health Care Providers (Women's Health)

American College of Obstetricians and Gynecologists, 2014

> Comparisons

 Ischemic Heart Disease (fatalities)

 CAD mortality among rural women increased since 2009

 Preventive Screening Services (Breast & Cervical Cancer)

 Bossard et al., 2020



HEART DISEASE



rotecting the People Who Feed the World

CARDIOVASCULAR DISEASE (CVD)

MYOCARDIAL INFARCTION (HEART ATTACK)

BY THE NUMBERS



 More women than Men have CVD

- CVD mortality is greater for women than men
- Average age for a woman to experience 1st Mi-71.8yrs, Average age for a Male to experience 1st MI-65yrs
- CVD leading cause of death for Hispanic and Black women
- 26% of women die within 1 year of having an MI, compared to 19% of men



Age specific Mortality rates stratified by sex, and urbanization 1999-2017



Although males are more likely to develop heart disease, females in rural areas still have higher death rates than metro in recent years, and since 2009 there is an increase in the number of CAD deaths

Metro: Residents number more than 50,000 Non-metro: often refers to rural area



Bossard et al., 2020

HEART DISEASE IN WOMEN

Medical conditions and lifestyle choices that can put women at higher risk of heart disease:

- •High blood pressure
- •High LDL (low-density

lipoprotein) cholesterol

- •Smoking
- •Diabetes
- •Excess weight
- •An unhealthy diet
- •Physical inactivity
- •Drinking too much alcohol
- •Stress and depression

Women also face specific factors related to reproductive health and pregnancy, including: •Early first period (before age 11) •Early menopause (before age 40) Polycystic ovary syndrome Diabetes during pregnancy (gestational diabetes) Preterm delivery •Delivery of a low birth weight or high birth weight infant •Hypertensive disorders of

pregnancy



WANT TO LEARN MORE?

Subscribe to "Hay There", a monthly-ish newsletter full of:

- Nutritious Recipes
- Helpful Resources
- Information to make the

healthy choice the easy choice!



DIET

COPD



Nearly 5 million people living in rural counties have been diagnosed with COPD.

Hundreds of thousands more don't know they have it.

nhlbi.nih.gov/breathebetter



- > Almost twice as many rural Americans die from COPD
- In 2015, rural Medicare patients experience 27% more hospitalizations and 71% more deaths from COPD than urban patients

National Heart, Lung, LEA



Croft et al., 2018



RESPIRATORY EXPOSURES

Farm women have been overlooked in the evaluation of respiratory hazards of agriculture, although they commonly perform tasks that are similar to those done by men.

Pesticides as well as grain and dust exposures were associated with chronic bronchitis among non-smoking farm women.

Valcin et al., 2007

AGRISAFE RESPIRATORY RESOURCES



Find additional resources on our website <u>www.agrisafe.org</u>

Agricultural Respirator Selection Guide

- Identifies best Respirator per exposure
- Farm/Ag Worker
 Decision Guide



Head to Toe Protection

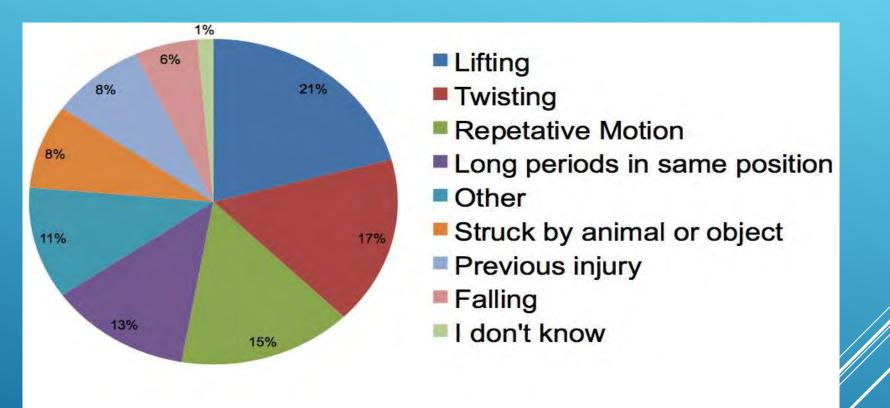
- Grain & Livestock
- Pesticides



CHRONIC PAIN



PERCEIVED CAUSE OF BACK PAIN



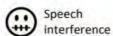
Note: respondents could choose multiple options

UNMC Study 2016, Midwestern farmers over age 19 Protecting the People Who Feed the

Whole Body Vibration

WBV occurs when the shaking motion of a vehicle is transferred to the operator through the feet, seat, or backrest.

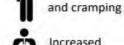
Health Effects



Increased heart rate and blood pressure







Increased breathing rate

Muscle fatigue

balance and perception Low back pain

Disruption of

and damage to the spine

Average Operation Time before Reaching Recommended Daily WBV Exposure Limits

-	4 hours	8 hours	12 hours
ATVs	•		
Utility equ	ipment 🔎		
Tractors		•	
Road vehi	cles	•	
5-2 Combines			•
* Each vehicle us	ed during the day o	contributes to overall V	VBV exposure

**Recommendations based on exposure limits from the European Union

Prevention Strategies

Maintain Equipment

Keep tires properly inflated

Adjust the Seat

Maintain vehicle suspension system according

Adjust the seat suspension properly so the seat

Adjust the position of the seat to improve posture

Slow down when traveling across rough terrain

Alter your routes to avoid rough terrain if possible

Avoid twisting your back while operating vehicle

Minimize forward leaning posture when driving

Avoid long hours of continuous operation

to the manufacturer's specifications

Use a backrest with lumbar support

Maintain soft-surface roads/tracks

Take Care of Your Back

doesn't bottom out during use

Be Aware of Terrain









Stop and Take Breaks Take breaks periodically Avoid lifting materials immediately after long periods of driving



www.facebook.com/GPCAH www.twitter.com/GPCAH











ERGONOMICS

Women have anatomical and physiological differences that may place them at risk for farm injuries

Females are, on average, shorter than men and have more adipose tissue. Females also have narrower shoulders, wider hips and proportionally have shorter legs and arms than their male counterparts

On average upper body strength is 40% - 50% less in females than in males, while lower body strength is 30% - 40% less in females (Nuzzo 2023).



Machinery Build and Women



The placement of levers and the strength required to move them, may be more suited to the average male. (Carruth et al., 2001).



Correlation of Tractor Use and Injury



Driving tractors an average of one day a week has been found to increase the risk of nonfatal farm injury(Carruth et al., 2001).

AGRISAFE PILATES

BEGINNING BASIC INSTRUCTIONS

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neutral spine position

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The shoulder bluces

These exercises are designed to improve balance, core strength and facilities at all times, the core is engaged with the 16 caps drawn logather and the near packed basensh free ageins. Removable to breacher with each exarcise focusing on exhaulting on the exercise and drawing the mills each exarcise focusing on exhaulting on the exercise and drawing the sectors. moved even deeper lets the spine. All exercises can be repeated \$-12 times.





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The second Countries warmen Begin it plans polition with hands directly under the shoulders feet no wider than the hips. Oney the right knee into the pheud and then the left. Opine phovid remain in heutral position with the neck submitting straight out of the spine. The goal is that the rapid on not lift or iower this grout the avenue

MOUNTAIN CLIMBERS

DISCLAMER OF LINDELTY. Injuries of all types can social when period patients in assessing, provided throws and training programs, tensor AppOptimitionally incoming in social and an anti-period material and the anti-patients and TPCOT is understanding on another intermentation to the glades. We take assess the rest of any mainting types.



Woldow's Creek First a thirde surface surf. ally real of risyfid hey balls. and place hands shoulde width adult, Move feet anay 3-4 ft and lowler sheet towards the surface with them push up. Body incluid remain in a structed ine. Add a thui enge by litting one fact of a firms

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Pursiting for this project is provided by the Canted Dates Center for Approximat Salety and Health, MODIX APP Drave USADHETE

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fill with one will structure with one know next, when opposite with which it been thes and use the arm to support rome by paying it on the pround, behind you Move in and out of the facility from Street, of first Exhange to faces. infraing to untwict.





DISCLAMER OF LINDLITY, injuries of all types can occur when period patient or services, provided threas and toxing programs, tencer Agriculture strongly incompany and is strategies a compensationary provide matematics by a focused heats patients/com PTCS for underlating any another development the gaths. We take another the rest of any multing types,

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which were there List White Yest NHD with Dalance of practice head to a chair or wall for supply



worth moves. Listers to YOUR book

AGRISAFE Y

BEGINNING BASIC INSTRUCTIO

n to the full ini ale. Always keep a sm or known, never lock then back when legs a straight. "Every body will feel different in

> Ordes while all whows, bring deepen stretch betw shoulder biades. EAGLE ARMS

Lift one with situation 45. Then band elbow so hand comes before the head, grab the elbow with other hand and gently increase stretch to comfort lave:

بعاينيه الدينية

stretch a few times.

Legs can be fat on ground

or one leg can cross over

the top of other LR outcome

arm and shelph toward loss or wall. Come in and out of

AgriSate

And the second second

Exercise of Partyles Volumes

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paints of hands can come together. Experiment with

leting allows and moving funds away from Sube to

min ministerety





BOV

Dankers Hartbridg A brief therei Arres can be at wide at to comfortable. U.ft tool above meat. Then slightly back Elbows can bend. cop and preatre where t feels good, curt eventually despen stratch or twist, as shoulders feel ready Put ford risk back found 1 gime. to support the back.

Punching for this propert is provided by the Gentral Dates Contar for Approximat Safety and Health, MODIX APP Dears USADHETOTIC



Make pure front knee shape directly over while (should be uple to day tool). Buck new plays (Red. Use a garber tool to

Ready to Farm farm task



calf carrying

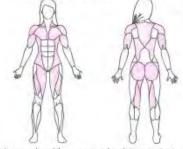


grain scooping

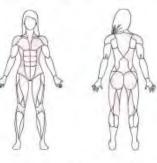


throwing hay

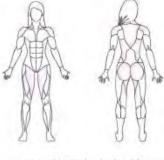
muscles used



triceps, shoulders, upper back (trapezius), chest (pectoralis), lower back, back of legs (hamstrings)



shoulders, lower back, upper back, chest (pectoralis) , hips, hip flexors



upper and lower back, shoulders, hamstrings, hips, hip flexors

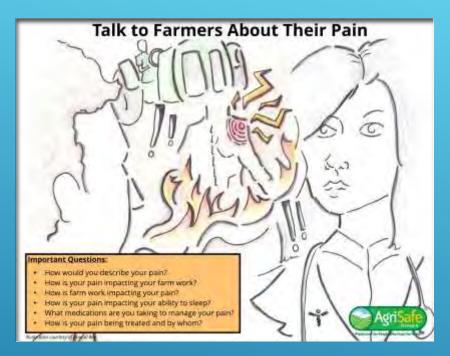
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poses to improve muscle strength and flexibility









>2015, rates of rural vs.
urban drug overdose
deaths:
17.7 per 100,000 vs. 16.7 per 100,000

>CDC, MMWR 2017

PAIN PRESCRIPTION MISUSE



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OSTEOPOROSIS



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DID YOU KNOW?



1 in 2 postmenopausal women will have osteoporosis and most will suffer a fracture during their lifetime.



The overall cost to the US for the care of osteoporosis is close to **15 billion** dollars. Mostly relating to nearly **400,000** hip fractures in the US.



1 in 2 who experience hip fractures will not return to their previous lifestyle and 20% will die as a consequence of their fracture.



Spine fractures are associated with significant back pain, poor quality of life, and greater mortality.



Sex (Female)	Postmenopausal	Alcohol consumption	Caffeine intake
Smoking cigarettes	History of fractures	Older age	Inadequate Calcium intake
	Inadequate Vitamin D	Low body weight	

RISK FACTORS FOR OSTEOPOROSIS:



Protecting the People Who Feed the World

FALLS IN THE AG WORKPLACE

Same-level or low-level falls (also referred to as slips & trips) refer to falls under 10 feet. They represent a higher level of frequency (60%) but typically* lower level of severity

- Steps / curbs
- Fence climbing
- Uneven surfaces
- Slippery surfaces (water, oil spill, ice)
- Objects in walk path (shovels, rakes, rope, cords, boxes)
- Trip over small or shorter animals (pets, young pigs, etc.)
- Struck by animals
- Falls from horses *extremely dangerous as they are usually in motion!*

Even low-level falls can result in severe head and spinal injury, serious fractures, or the loss of vision (i.e.: upturned rakes)



REPRODUCTIVE HEALTH



Risk of Adverse Pregnancy Outcomes

Work-Related Exposures:

- Herbicides: Dicamba, Glyphosate, Acetic Acids, Thiocarbamates
- Insecticides
- Carbon Monoxide
- Nitrate Toxicity (formula-fed infants)
- Livestock Production Hormones (needlesticks)
- Oxytocin
- Prostaglandin
- Zoonotic Infection
- Brucellosis, Q Fever, Listeria (cause abortion)



ZOONOTIC DISEASE

Q fever
Chlamydiosis
Toxoplasmosis
Listeriosis
Leptospirosis
Brucellosis



Reproductive Health Exposures for Women in Agriculture

Herbicides are used to kill undesirable plants or weeds. Exposures: Mixing and applying herbicides and fungicides up to 2 years before attempting conception is associated with observed lower fertility. Risk: Could lower rates of fertility.

Needlestick Injuries are wounds caused by needles that accidentally puncture the skin. Exposures: Livestock production hormones; Oxytocin & Prostaglandin Risk: May cause abortion during pregnancy in pregnant women.

Carbon Monoxide is a colorless, odorless, tasteless gas produced by burning gasoline, wood, propane, charcoal or other fuel. Exposures: Livestock buildings and high pressure washers. Risk: High for women and elevated risk in unborn fetus including low birth weight, slowed mental development.

Zoonotic Diseases (also known as zoonoses) are caused by infections that spread between animals and people. Pregnant women have an altered immune system during pregnancy. Exposures: Direct/indirect contact, vector-borne, foodborne. Risk: May cause abortion in pregnant women.

Nitrate Toxicity- Infants who are fedformula made with water high in nitrate concentrations (>10 mg/L) have the potential to be poisoned. Risk: A congenital health disease known as Blue Baby Syndrome. **Personal Protective Equipment (PPE) Pesticides**

Women who are pregnant or planning a pregnancy, especially those currently performing farm work, should be informed of the implications of exposure before, during and after pregnancy, and assisted in making decisions that are appropriate for their individual work and home situations.

Source: EPA - Recognition and Management of Pesticide Poisonings

Coveralls over short-sleeved shirt and short pants including chemical-resistant gloves. Be cautious in warm conditions and the risk of overheating swelling and fluid retention in the hands. legs and feet.

Use a property fitting, NIO\$H approved two strap respirator. Limit your time in exposures requiring respiratory protection.

Footwear must be chosen based on the hazards that are present. Avoid natural leather footwear, as it absorbs chemicals. For working with pesticides, chemical-resistant footwear plus stocks are recommended. Protective eyewear intended to shield the eyes against liquid or chemical splash, irritating mists, vapors, and fumes. Use googles with a good seal, avoid exposure if possible

Footwear that will provide good grip and adequate protection against other hazards.

Working with cartridges (and dust pre-filter) designated for pesticide protection must the chemical clabel respiratory of protection directions

For additional information and resources visit www.agrisafe.org/women

AgriCafe Webinar on Renenductive Health Ricke

ZOONOTIC DISEASE RESOURCE

ZOONOTIC DISEASE IN AGRICULTURE



Zoonotic Diseases are transmitted between farm animals and humans.

According to the World Health Organization, more than half of all human pathogens are zoonotic and have represented nearly all of all emerging pathogens during the past decade. Farmers and farm workers have higher levels of risk for contracting zoonotic diseases because of the frequency of their exposure to animals.

Prevention is the best defense. Understanding how the disease transmission process works, building a team and effectively communicating within that team are assential in preventing the spread of zoonotic disease.

PROTECT YOURSELF:

- Choose and use appropriate personal protective equipment (PPE) respiratory protection
 - gloves
 - safety glasses/goggles
 - dothing: coveralls, aprons, etc.
 - foot gear
- · Designate specific clothes for farm and ranch work
 - use laundry precautions launder separate from other family clothing
 - clean washing machine between washes
- Disinfect work spaces with appropriate and clearly labeled designated cleaning solutions
- < Provide designated hand washing area for workers
 - hot water is recommended
 - hend washing station should be designed hands free if possible
 use paper towels to dry
- < While walking or working wear
 - · sturdy shoes
 - long pants
 - insect repellant
- Inspect entire body, neck, face, and hair for cuts, scrapes or bites daily
- Thoroughly clean, treat, and cover any open area prior to contact with animals
- Check medical records for tetanus vaccine status

TERMS TO KNOW:

PPE: personal protective equipment

Pathogen: an agent that causes disease, especially a virus, becterium or fungus

Infectious disease: a disease caused by bacteria, viruses, fungi, or perasites that can be transferred to humans

Zoonotic disease: an infactious disease which can be passed between animals and humans

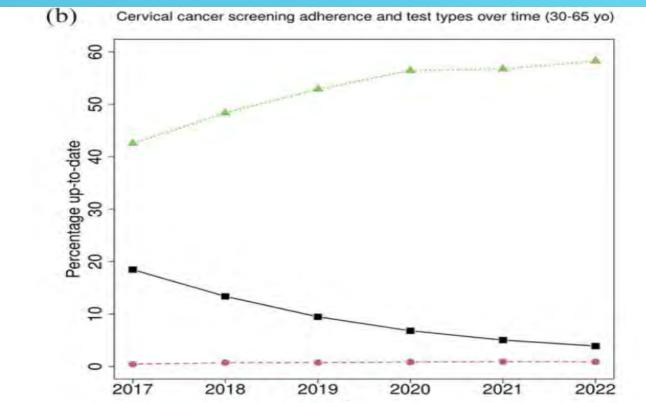
Emerging infectious diseases an infectious disease whose incidence in humans has increased in the past two decades or threaters to increase in the near future



RURALITY& CANCER RATES



Cervical cancer screening Midwest and Rural



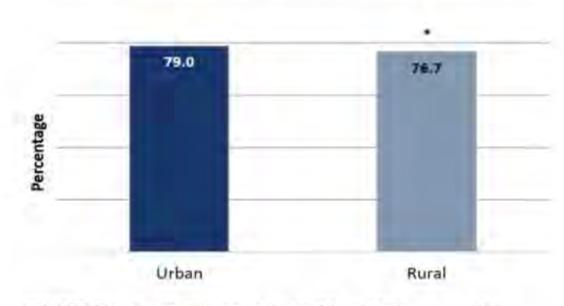
- Pap alone during preceding 3-y period
- HPV alone during preceding 5-y period
- Pap-HPV co-testing during preceding 5-y period

Rural communities experience elevated incidence and mortality of human papillomavirus (HPV)associated cancers and correspondingly low HPV vaccination rates.

]. Rural-Urban Disparities in Cancer

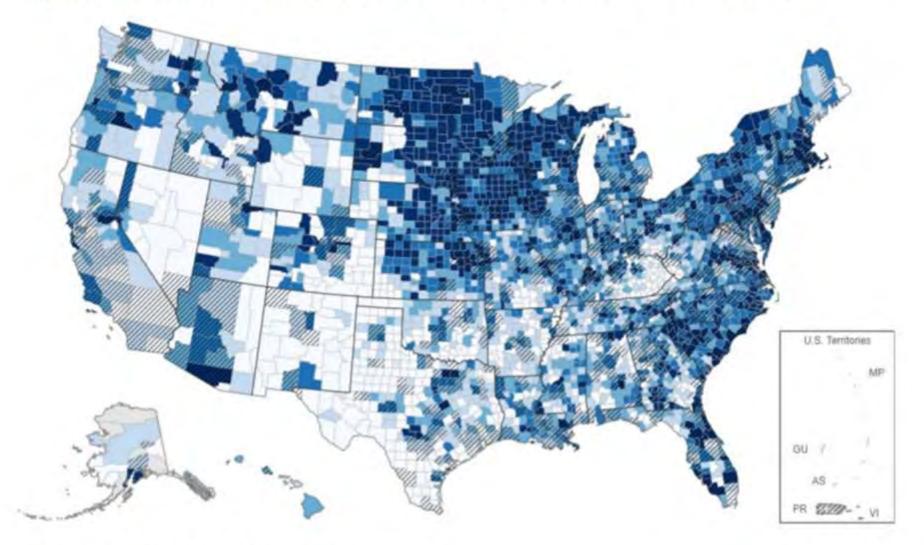
Breast Cancer Screening

Percentage of MA enrollees (women) aged 50 to 74 years who had appropriate screening for breast cancer, by geography, 2019



SOURCE: Clinical quality data collected in 2019 from MA plans nationwide. NOTES: Clinical quality data not available for FFS Medicare beneficiaries.

Breast Cancer Screening - Data Snapshot October 2022 (cms.gov) Figure 5 -Screening Mammography Rate among Medicare FFS Beneficiaries, 2021



Preventive Services (%, per year)

< 27 27 to < 31 31 to < 34 34 to < 38 Breast Cancer Screening - Data Snapshot October 2022 (cms.gov)

PESTICIDE EXPOSURES



CLINICAL APPROACH

EPA - Recognition and Management of Pesticide Poisonings

Women who are pregnant or planning a pregnancy, especially those currently performing farm work, should be informed of the implications of exposure before, during and after pregnancy, and assisted in making decisions that are appropriate for their individual work and home situations.

Further recognition:

Providers should encourage mothers to avoid exposure that might contaminate breast milk without unduly alarming them, perhaps by associating it with the importance of not smoking or drinking alcohol during pregnancy and nursing.

Breast feeding should continue to be strongly encouraged since all evidence indicates that the known benefits far outweigh the potential risks.

Reproductive Health Effects of Pesticide Exposure

Issues for Farmworker Health Service Providers

Migrant Clinicians Network

Pamela Rao PhD

Farmworker Justice





CLINICAL APPROACH TO REDUCE PESTICIDE EXPOSURE

- Rural health/primary care providers are in an ideal position to identify and assess a patient's risk for exposure.
- > The <u>first step</u> is to obtain an environmental history that covers
 - residential and employment histories,
 - > types of work activities performed currently and in the relevant past, and
 - possible sources of exposure to biological or chemical agents. For each exposure source identified, additional information needs to be collected, such as frequency, duration, and intensity.

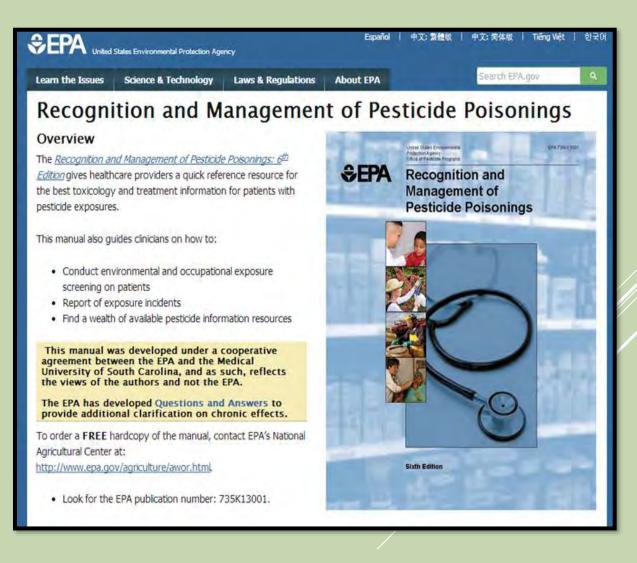
Source: Reproductive Health Effects of Pesticide Exposure; Issues for Farmworker Health Service Providers Pamela Rao PhD, Farmworker Justice Migrant Clinicians Network



CLINICAL RESOURCES

- EPA Recognition and Management of Pesticide Poisonings
- Online or Free manual





PESTICIDE SAFETY MANTRA

> Read the Label

Right mask

Right Fit

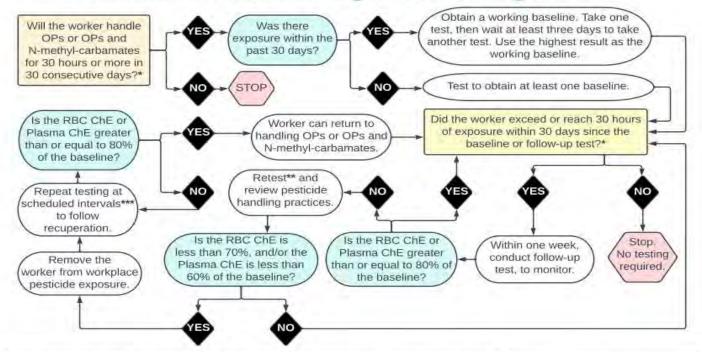
Right Environment





Cholinesterase Algorithm

Cholinesterase Testing Protocol Algorithm



*This is the Washington (WA) state recommendation. California (CA) state recommends follow-up testing if worker reaches 6 days of exposure within a sliding 30-day schedule. At this time, WA and CA are the only states with formal cholinesterase monitoring programs with regard to pesticide exposure. Days of exposure are easier to track than hours of exposure,

**Retesting is strongly recommended but not mandatory.

Threshold exposure level; When the worker exceeds or reaches 30 hours of exposure in a 30-day period. OPs: Class I or Class II organophosphates.

RBC ChE: Acetylcholinesterase, also known as red blood cell cholinesterase. Plasma ChE: Butyryl cholinesterase, also known as plasma cholinesterase.

NOTES:

Obtain baseline prior to pesticide work or after 30 days of worker being exposure free
 When testing, it is recommended to get both RBC ChE and Plasma ChE. But it only performing one test, then do Plasma ChE.

 A second baseline is recommended for improved precision but not essential.
 N-methyl carbamates do inhibit cholinesterase but the cholinesterase reactivates quickly, making testing unreliable in predicating overexposure. ***Days to repeat test: For RBC ChE: (% depression - 20) /0.83

= number of days to repeat test. • For Plasma ChE: (% depression - 20) /1.2 = number of days to repeat test.

Testing weekly is also acceptable.





Revised on 02/16/2023 by: Steven Kirkhorn, MD, MPH and Matthew Keifer, MD, MPH, National Farm Medicine Center external scientific advisor

MENTAL HEALTH



Women in Agriculture – Multiple roles

- Off farm work (3rd shift phenomenon)
- Live with risk every day
- Work life & family life intersect 24/7
- Lack of mental health providers
- Lack of social support

Review of literature supports women in farming work in multiple roles.

- "A farm woman with an off farm job faces very difficult demands in addition to being the traditional nurturer for the rest of the family". (Moolgaard and Miller, 1996)
 - Much has not changed in 20 years

STRESS ON AND OFF THE FARM





MENTAL HEALTH STATISTICS

46% of Americans will meet the criteria for a diagnosable mental health condition sometime in their life.

Anxiety disorders are among the most common mental illnesses in America.

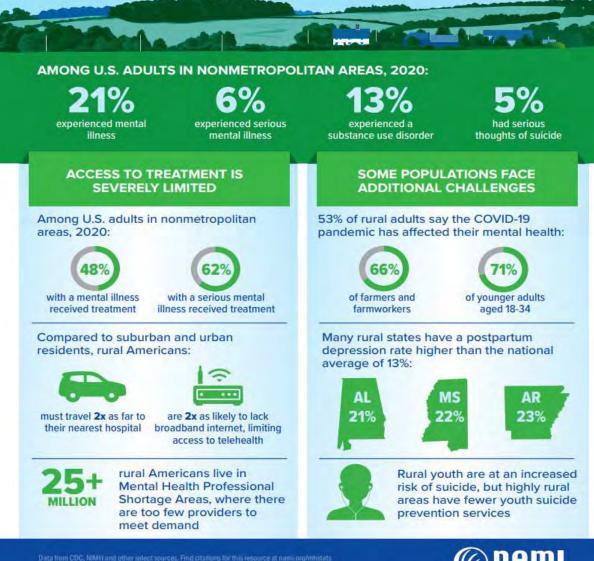
Major depression is also one of the most common mental illnesses. Mental Health America, n.d.-a

In rural communities, the suicide rate is between 18.3 and 20.5 per 100,000 residents, compared to large urban communities where the rate is between 10.9 and 12.5 per 100,000 (almost twice as high in rural communities).

Mental Health America, n.d.-b

MENTAL HEALTH & Access to Care in RURAL AMERICA

People from all communities are affected by mental illness, but rural Americans often experience unique barriers to managing their mental health.





NAMI HelpLine

MENTAL WELLNESS RESOURCE



MENTAL HEALTH AND THE IMPACT ON WELLNESS

no Lorn formities

Many of the factors that effect agricultural production are largely beyond the control of the producer. Ocode health, including mental health, in a key factor that contributes to one's ability to keep farming.

Twenty percent of any population has mental health complications, including farmers and ranchers. Stigma and privacy concerns associated with mental health issues may mean that many people do not reak out available behavioral health services.

SYMPTOMS OF POOR MENTAL HEALTH

- Pare Assen Devotry and team
- Apprehentedo and Uneasidest
- + Avadence al shere
- · Failing and
- + Lack of interest or pleature in applying
- Sign frantweight change in changes in appellite
- + Problem meterna
- -+ Slaw in fidging bady movements
- +Law minings
- + Drffsadby тольнотизии
- -+ (requert throughts of deal)
- Submarice minure
- Unexplained phanges in physical approximation of behavior

EXPERIENCING ANY OF THESE SYMPTOMS? Take the Two Question Self Assessment Tool:

 During the pent two weeks, have you often been bothered by feeling down, depressed, or hopeless?

2. During the past two weeks, have you offen been pathered by little interest or pleasure in doing things

"If you have a positive response to either all these questions, consider tailong to your health care provider about further assessment. You can also access refracteening tools by writing

http://www.mertalhealthamenca.net/mental-health-scrittening-taols-



WHEN YOU TALK TO YOUR HEALTH CARE PROVIDER

- Be pro-active, ark about potential signs of strees, writely, or depression
- Speak openly about at emfol leaves myour work, and home life
- Be familier with your family medical history releted to depression or other contributing behavioral issues
- List any prescribed and over-the-bounter medications you take
- · Be sware of imoking habits and alcohol inteke-
- · Inquire about ereformal to a mental health specialist
- Know what your initirance coverage may larmay not be fir evaluation of mental health care.

WOMEN'S HEALTH RESOURCE

TAKE CHARGE OF YOUR HEALTH



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NOTES FOR TALKING TO YOUR HEALTH CARE PROVIDER.

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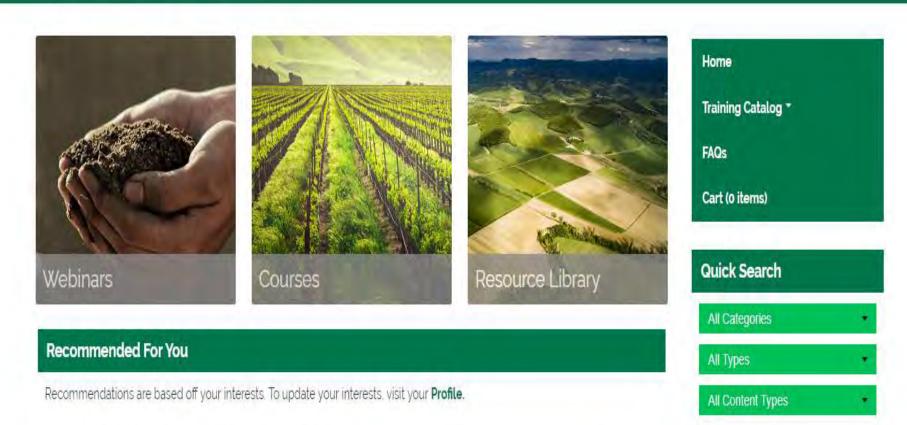
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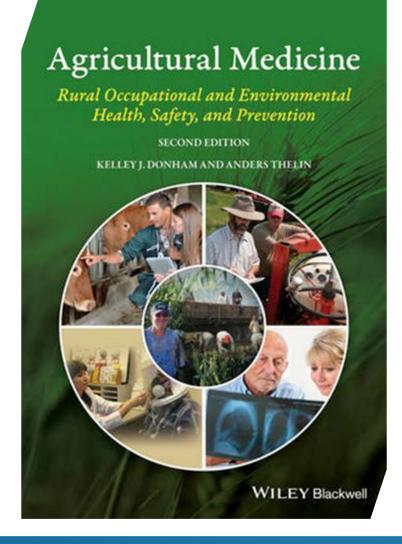
AgriSafe Home Nurse Scholar Total Farmer Health



Invest In Your Health - Train the Trainer Course Econtains 21 Component(s)



keywords





If you serve agricultural communities, you should take FarmResponse®

Course Description:

a state of the second

FarmResponse is a **3.5-hour on-demand continuing** education module that provides the full range of competencies necessary to provide appropriate mental healthcare for agricultural producers and their families.

This knowledge is critical for healthcare professionals across all disciplines who serve rural communities.

For more information on FarmResponse, scan the QR code or visit: *agrisafe.org/farm-response*.

If you have any questions, reach out to: info@agrisafe.org.







QPR FOR FARMERS AND FARM FAMILIES Free suicide prevention training for members of agricultural communities

QPR is a mental health crisis intervention and suicide prevention model, which stands for Question, Persuade, and Refer.

- 1.5 hour training online or in-person
- Discusses the unique challenges farmers face that can lead to stress, depression, and suicide
- Teaches community members how to help at-risk individuals by implementing QPR

agrisafe.org





Scan the QR code for more info and training dates!





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