

Center for Disability Health and Wellness

Michigan
Disability
Rights
Coalition

A PRIMER FOR CARING FOR PEOPLE WITH DISABILITIES

Advancing Health Equity among Adults with Disabilities from Diverse Communities

REHABILITATION RESEARCH AND TRAINING CENTER

Supported by a grant from the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR #90RTHF0005)







Living with Disability: Bernard's Perspective







To consider...

What is *Disability*to you as a
healthcare provider
or organization?

Objectives

- To discuss what disabilities are and what it means to live with one
- To examine how many people think about disability and the impact of those attitudes on outcomes for people with disabilities
- To discuss the responsibilities of healthcare systems to develop supportive environments and policies that allow them to listen to and collaborate with people with disabilities



Flow

- Key Terms
- Health and Healthcare Disparities Disability
- Research Findings
- Creating Accessible Environments and Tailoring Care to Optimize Outcomes
- CDHW
- Summary
- Questions



DISABILITY



Disability by the Numbers



- > 70.1 million or more than 1 in 4 adults in the United States
- ➤ 1 in 3 adults in Michigan
- > Poorer Health Outcomes
- > Less Access to Care
- ➤ Lower Quality of Care
- > Compounded Disparities based on Social Determinants of Health

Models of Disability

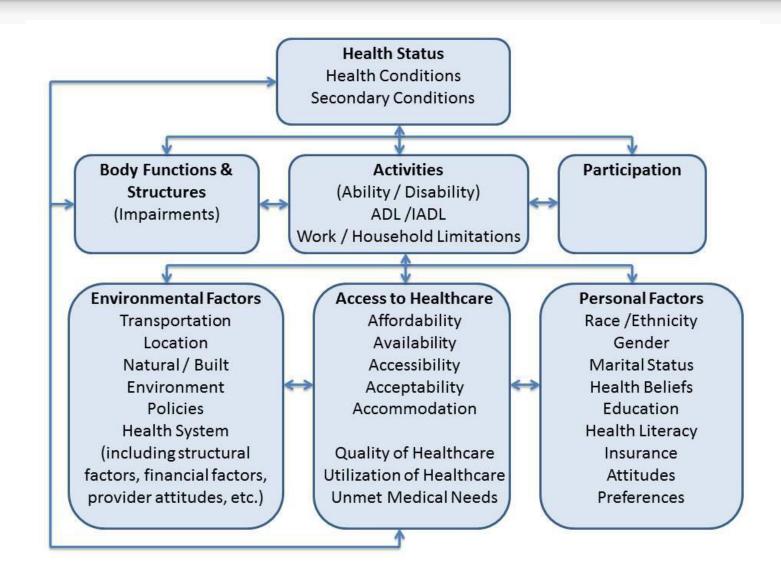


- ➤ Medical Model
- ➤ Independent Living / Social Model
- > ICF Model

Model of Healthcare Disparities and Disability



(Meade, Mahmoudi & Lee, 2015)





https://youtu.be/UMSj/Jx5Qmo







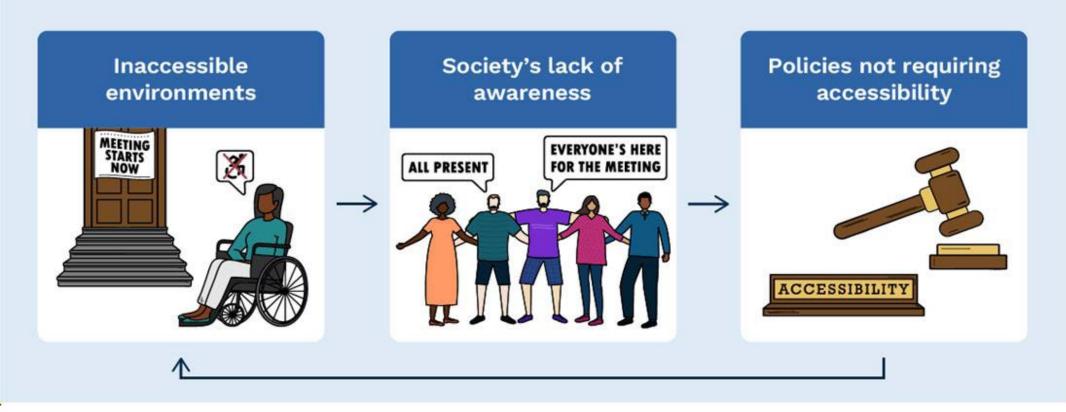
Disability and Invisibility

UNIVERSITY OF MICHIGAN

INFOGRAPHIC OF RELATIONSHIP BETWEEN ATTITUDES, OPPORTUNITIES AND POLICIES



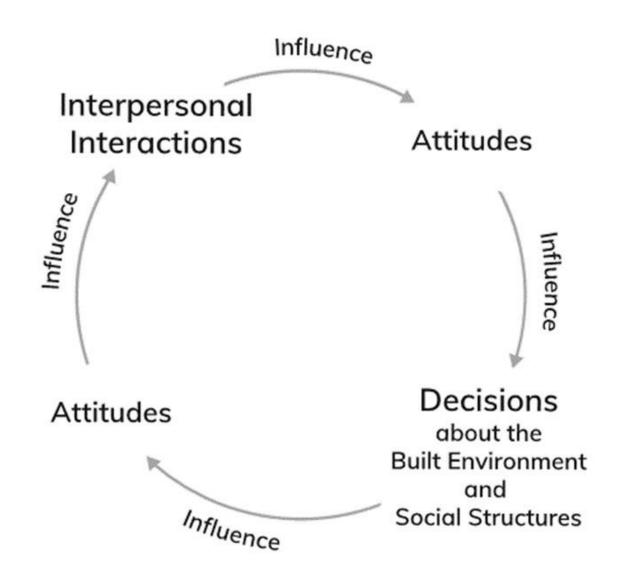
How people with disabilities experience society's attitudes through their interactions with people, places, and programs



Learn more: Reber, L., Kreschmer, J. M., James, T. G., Junior, J. D., DeShong, G. L., Parker, S., & Meade, M. A. (2022). Ableism and Contours of the Attitudinal Environment as Identified by Adults with Long-Term Physical Disabilities: A Qualitative Study. International Journal of Environmental Research and Public Health, 19(12), 7469 https://doi.org/10.3390/ijerph19127469. This research was supported by a grant from the National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR #90RTHF0001-01-00).



Influence of Attitudes on Environment





The COVID-19 Pandemic and People with Disabilities





Research and Reports

Research

- Rates of death among individuals with down syndrome 10 x's higher with adjustment (Clift et al, 2020)
- 82.4% of physicians thought that people with disabilities have a worse quality of life (lezzoni et al, 2021)
- > US Office of Civil Rights Statement (3/2020)
- ➤ In the Community (Detroit)
 - Health
 - Transportation
 - Jobs
 - Access to Care
 - Personal care attendants
 - COVID Treatment
- Vaccination



Listening to People with Disabilities & Their Families









U-M Center for Disability Health and Wellness (CDHW)

In Summary



- More than 70 million adults in the United States are Living with Disability
- People with disabilities experience significantly worse health outcomes and healthcare disparities, with women, those living in poverty and black, indigenous and persons of color (BIPOC) most likely to experience negative outcomes
- People with disabilities are an underserved and often overlooked component of the population who experience many negative social determinants of health and are at enhanced risk for poor health outcomes
- The perceptions and negative attitudes about people with disabilities enhance the likelihood that people with disabilities will be forgotten
- Healthcare and Public Health Programs and Organizations must work in partnership with people with disability and disability organizations to ensure that they are engaged, counted and able to access programs and resources

Healthcare disparities result from mod factors in health systems

THEY ARE OUR RESPONSIBILITY TO ADDRESS AND CHANGE





Questions?

For more information about the U-M Center for Disability Health & Wellness

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www.disabilityhealth.medicine.umich.edu







How the Michigan AgrAbility Project Works with People with Disabilities

Samantha Wolfe

Agricultural and Occupational Health Educator, MSU Extension

Michigan Center for Rural Health Symposium

April 24, 2025

This presentation is supported by the AgrAbility Competitive Program of the USDA National Institute of Food and Agriculture (NIFA), grant number 2022-41590-38121



Extension Demographic Data Collection



https://bit.ly/3ExB4xa



*Or raise your hand if you'd like a paper copy



Objectives



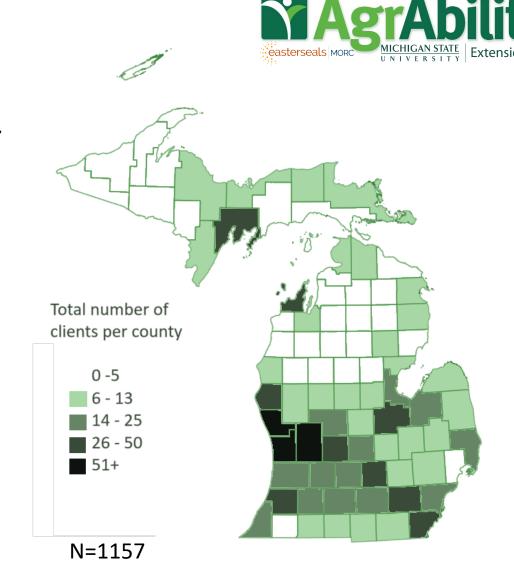
- **Explain** the purpose and scope of the AgrAbility program and its role in supporting farmers and workers with disabilities.
- **Identify** common physical, sensory, and cognitive disabilities encountered in our clients and describe how these impact occupational performance.
- Describe assistive technologies and modifications used in agricultural settings to improve quality of life.
- **Demonstrate** effective strategies to collaborate with AgrAbility and similar resources to better serve agricultural clients with disabilities.



Overview

"The vision of AgrAbility is to enhance quality of life for farmers, ranchers, and other agricultural workers with disabilities, so that they, their families, and their communities continue to succeed in rural America."

- 1990 Farm Bill
- National and state projects
- Collaborative program delivery
- Core services provided (education, on-farm assessments, referrals, AT recommendations)
- Secondary injury prevention





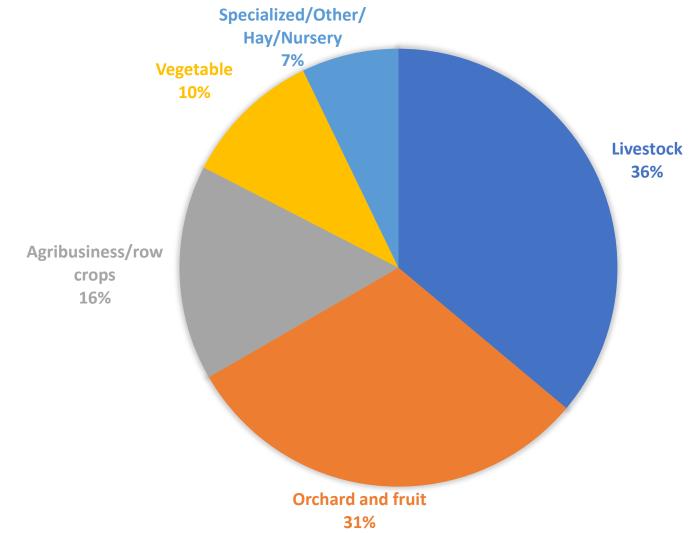
Michigan AgrAbility Project team





MI AgrAbility clients by industry





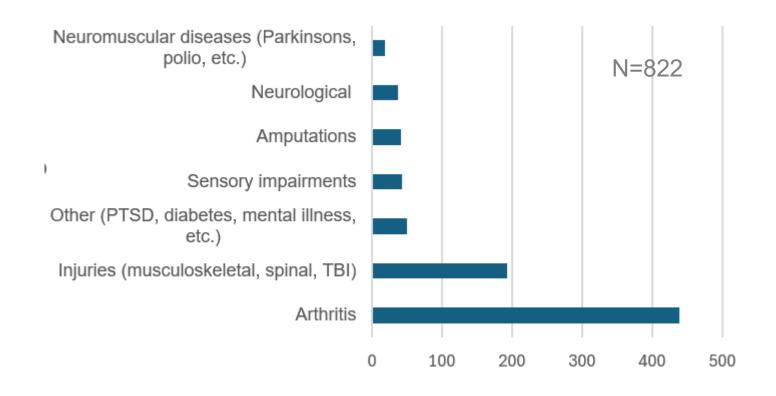
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Client's conditions

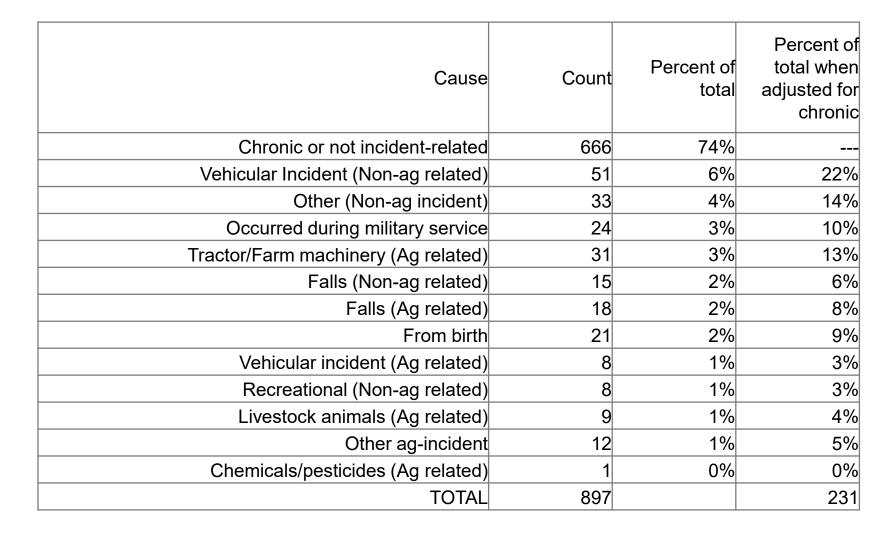
Condition	Real Count	% of Total
Neuromuscular diseases (Parkinsons, polio, etc.)	18	2%
Neurological	37	5%
Amputations	42	5%
Sensory impairments	43	5%
Other (PTSD, diabetes, mental illness, etc.)	50	6%
Injuries (musculoskeletal, spinal, TBI)	193	23%
Arthritis	439	53%
TOTAL	822	







Causes of client conditions







Assistive technology & solutions for farmers









Partnering with MSU Mechanical Engineering









High vs. low tech











Low-tech: tractor steps









A fully-equipped tractor





- ✓ Climate control cab addresses noise and vibration.
- ✓ Rear-view camera and midmount PTO addresses twisting to see behind the tractor.
- ✓ Snow blower addresses walk-behind snow blower operation and low endurance.
- ✓ Tractor loader bucket and pallet forks addresses the walk-behind cart and low endurance lifting and carrying.
- ✓ Tiller addresses the walk-behind tiller vibrations and low endurance.
- ✓ Tractor mower addresses the lawnmower vibrations and noise.



AgrAbility.org/Toolbox



maple syrup

Search

5 🗸 results per page

If Search malfunctions, please refresh your browser and try again. If problems persist, contact us Displaying solutions 1-5 of 17 found (search time: 0.012s)



Remote Sap-Harvest Monitoring System

Limitations: Lower extremity, Visual Specialty Enterprises :: Other Specialty Enterprises :: Maple Syrup

...With a Remote Sap-Harvest Monitoring System, via smartphone or other digital device, the maple syrup maker (1) is kept informed, at pre-set times, of conditions at the harvest site (e.g., temperature, sap flow, pump status, tank level); (2) is alerted instantly of any problems (e.g., loss of vacuum, pump failure, tank full); (3) can initiate actions (e.g., turn pump on/off, engage temp control). ... Full entry



Tubing Sap-Collection System (Online Plans)

Limitations: Lower extremity, Upper extremity, Back Specialty Enterprises:: Other Specialty Enterprises:: Maple Syrup

...This Tubing Sap-Collection System enables one to gather the maple tree sap without having to walk great distances or carry heavy buckets. Plastic tubing is attached to taps in the trees, and the sap runs downhill by gravity to a central collection tank. The system presented here, which services 240 taps strung over 6 acres of trees in northern Wisconsin, can be scaled up or down for various-size operations. ... Full entry

THE TOOLBOX

Assistive Technology Database

Back | Search | View by Category | Technical Articles

- Crop and Materials Handling/Storage
- Gardening
- Lawn Care
- Livestock Handling and Housing
- Orchards, Nurseries, and Vineyards
- Outdoor Mobility
- Outdoor Recreation
- · Safety and Health
- Shops and Shop Tools
- Skid-Steer Loaders and Other Self-Propelled Equipment
- Specialty Enterprises
- Tractors and Combines
- Trucks
- <u>Utility Vehicles, ATVs, and other Off-Road Vehicles</u>
- Vegetable, Small Fruit, and Flower Production
- Woodlots and Forestry





Recognizing when a patient could benefit from AgrAbility

- Difficulty completing daily farm tasks
- Recent injury or progressive condition
- Mental health concerns related to loss of identity, isolation, or financial strain
- Family members expressing concern about safety or well-being





How to refer to AgrAbility

- michiganagrability.org/contact
- Call Ned at 800-956-4106
- Share our brochures, etc.
- Email me at wolfesa4@msu.edu
- MSU Farm Stress





^{*} We are looking for more OTs and PTs to conduct farm site assessments!



Potential action items

casterseals MORC MICHIGAN STATE UNIVERSITY Extens

- Add AgrAbility contact info to clinic resource list
- ✓ Incorporate a screening question about work/livelihood into intake forms
- ✓ Take AgrAbility brochures for your waiting room
- ✓ Refer clients and document outcomes

https://bit.ly/4joZeJq



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To file a program discrimination complaint, a complainant should complete a Form AD-3027, USDA Program Discrimination Complaint Form, which can be obtained online, at https://www.usda.gov/sites/default/files/documents/ad-3027.pdf, from any USDA office, by calling (866) 632-9992, or by writing a letter addressed to USDA. The letter must contain the complainant's name, address, telephone number, and a written description of the alleged discriminatory action in sufficient detail to inform the Assistant Secretary for Civil Rights (ASCR) about the nature and date of an alleged civil rights violation. The completed AD-3027 form or letter must be submitted to USDA by.

mail:

U.S. Department of Agriculture Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW Washington, D.C. 20250-9410; or

fax:

(833) 256-1665 or (202) 690-7442;

email

program.intake@usda.gov.

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https://www.usda.gov/sites/default/files/documents/ad-3027s.pdf en cualquier oficina del USDA, llamando al (866) 832-9992, o escribiendo una carta dirigida al USDA. La carta debe contener el nombre, la dirección y el número de teléfono del reclamante, y una descripción escrita de la supuesta acción

discriminatoria con suficiente detalle para informar al Subsecretario de Derechos Civiles (ASCR, por sus siglas en inglés) sobre la naturaleza y la fecha de la presunta violación de los derechos civiles. La carta o el formulario AD-3027 completado debe enviarse al USDA por medio de:

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