Community Health Workers As An Implementation Strategy for Exposure Science

PALOMA BEAMER

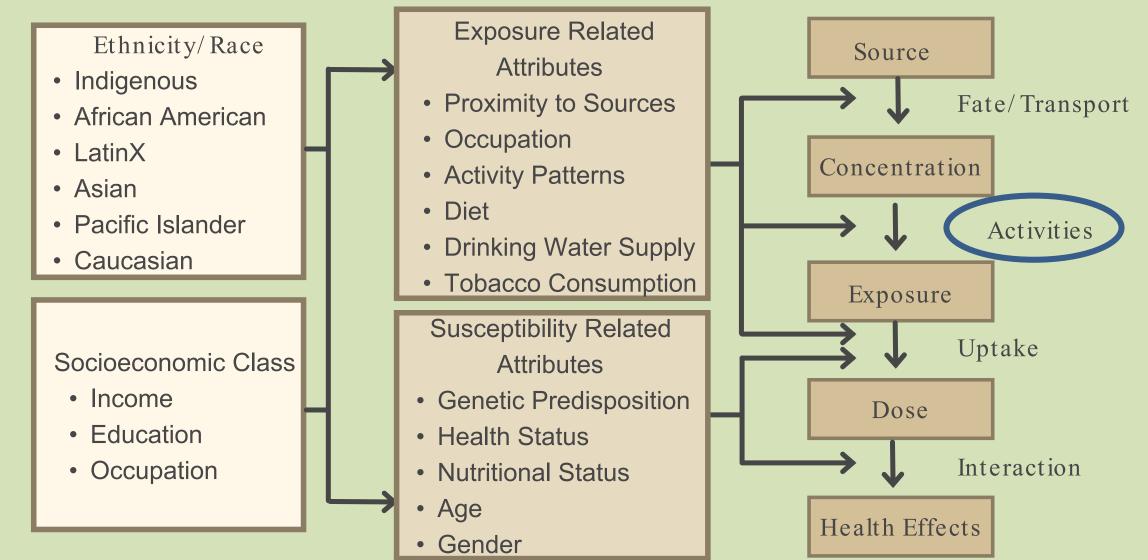
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Human Health Risk Paradigm



Adapted from Sexton and Adgate, 1999

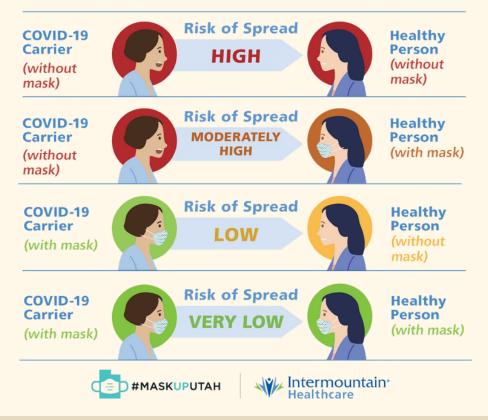
Im plem entation Science

- Implementation research looks at how best to help people/places DO THE THING
- Implementation strategies are the stuff we do to try to help people/places DO THE THING
- Main implementation outcomes are HOW MUCH and HOW WELL they DO THE THING

Im plementation of Exposure Science during the COVID-19 Pandemic

WEAR A FACE COVERING TO PROTECT YOURSELF AND OTHERS

Help prevent the spread of COVID-19!



KEEPING YOU SAFER

Protect yourself and others by wearing a face covering correctly.



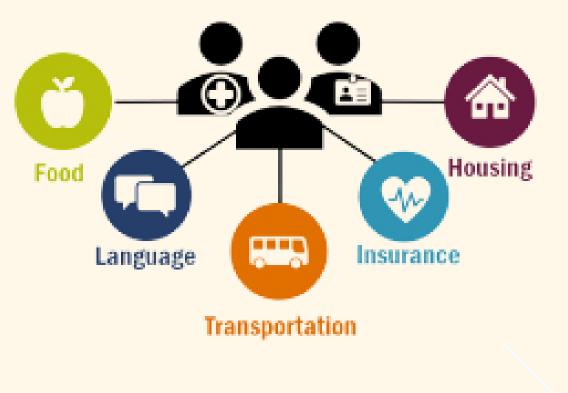
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Community Health Worker

"A community health worker is a frontline public health worker who is a trusted member of and/or has an unusually close understanding of the community served. This trusting relationship enables the worker to serve as a liaison/link/intermediary between health/social services and the community to facilitate access to services and improve the quality and cultural competence of service delivery."

- APHA CHW Section





CHWs and Environmental Research Projects



Breastmilk and TCE Nogales, AZ



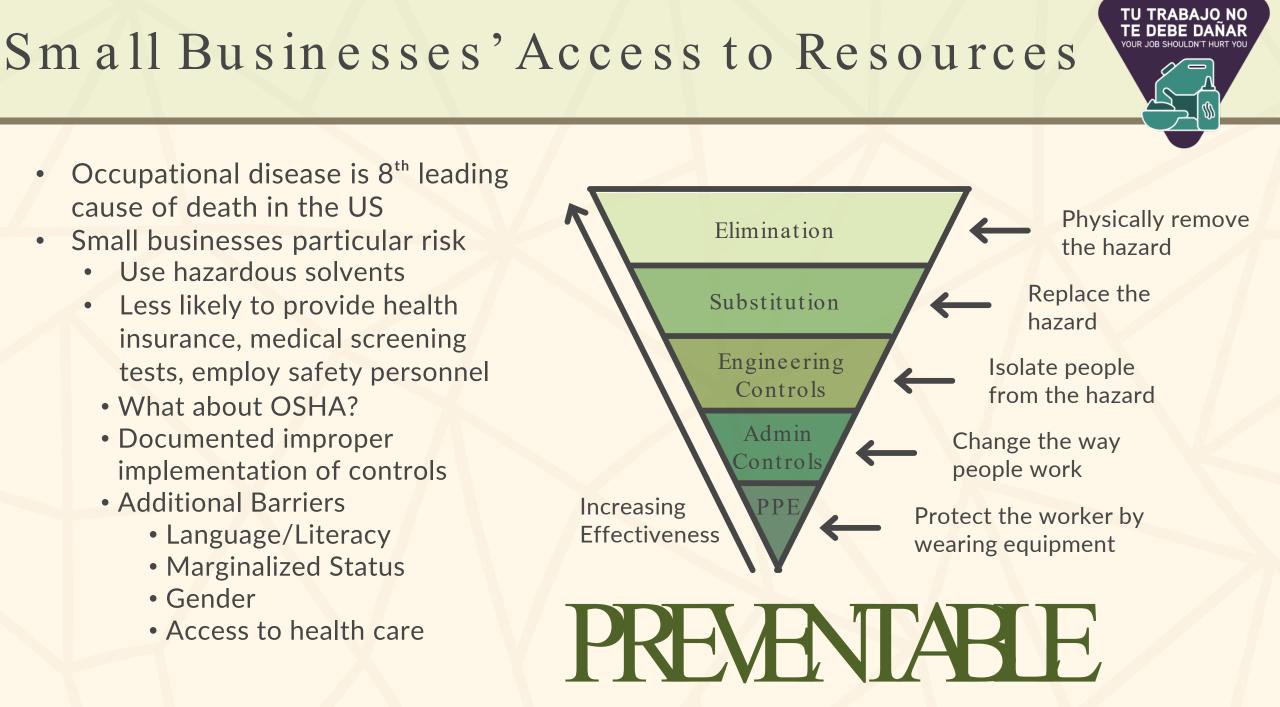
Metal Exposures Study in Homes

Farmworkers & Pesticides Yuma, AZ



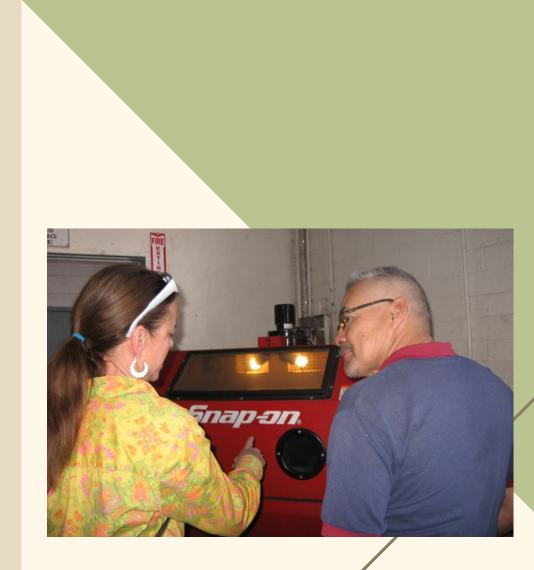
Gold King Mine Spill Navajo Nation



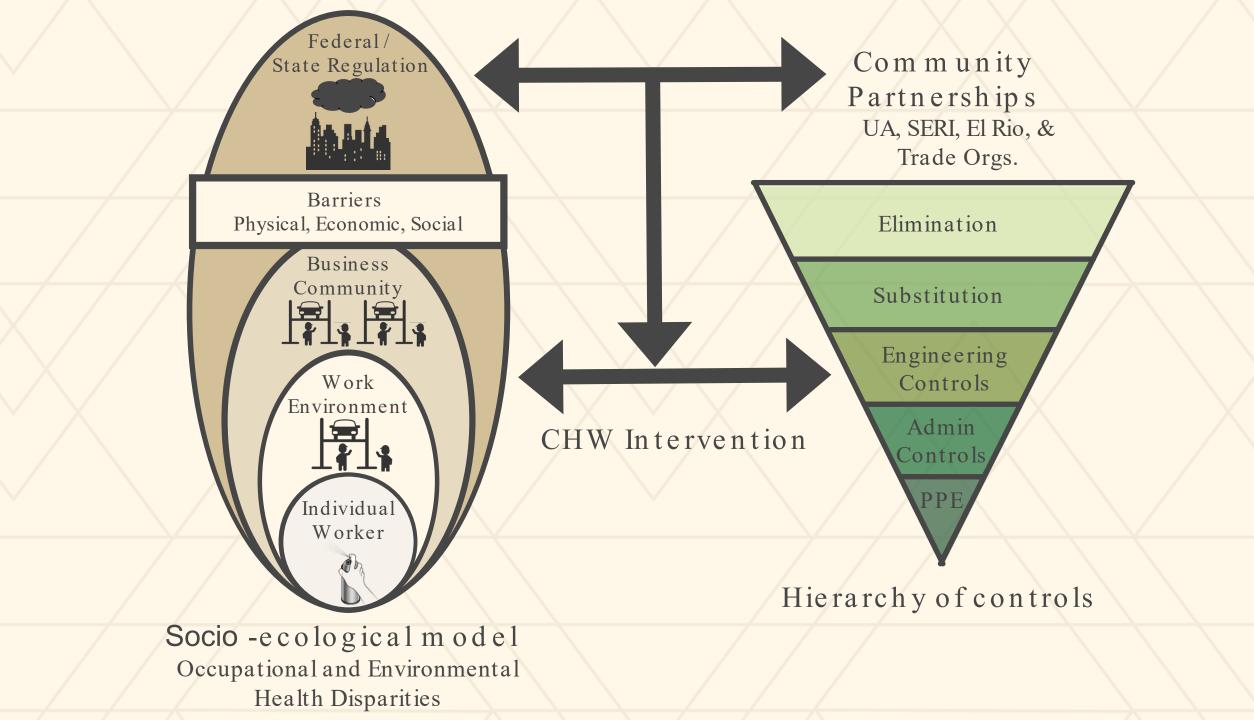


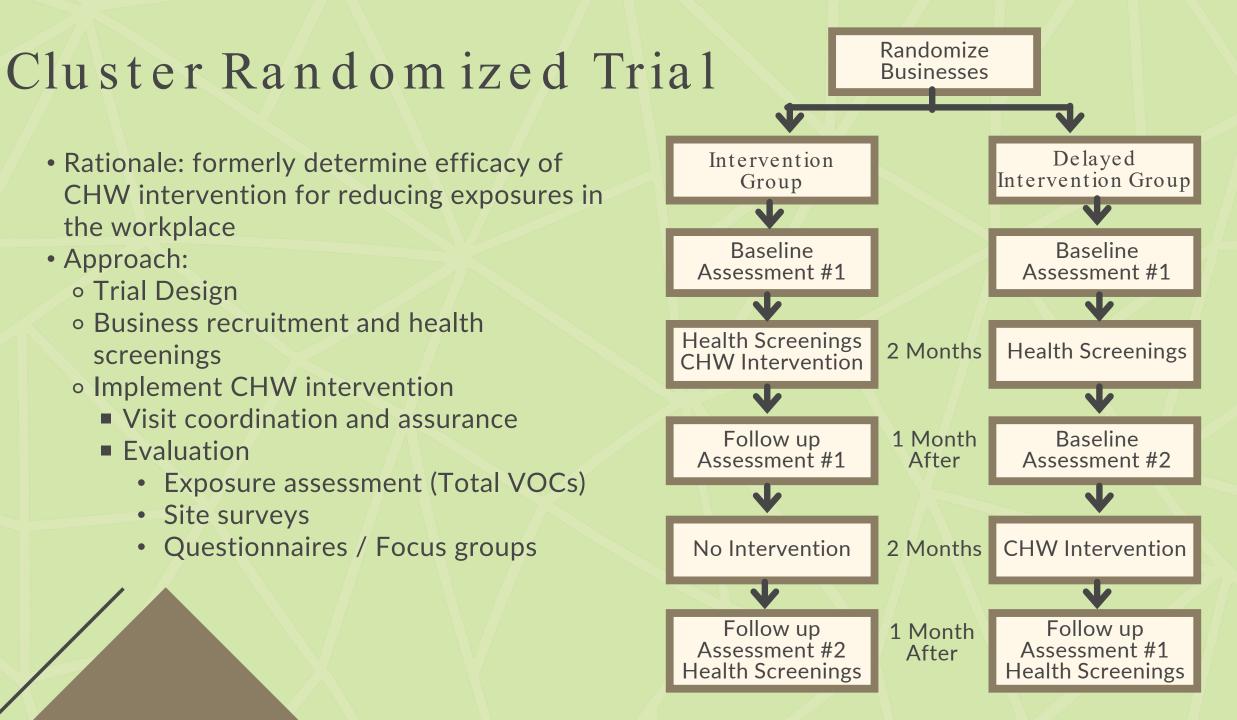
Community Assist of Southern Arizona (CASA)

- Comprehensive multi-media pollution prevention program
 - Source reduction, recycling, treatment and disposal
- Promotoras conduct outreach and trainings
- Developed 8 industry specific packets
- Distributed 662 packets
- Over 2 years conducted 535 business visits and 597 follow up visits
- Conducted 11 workshops
- Example: 84 nail salons use nail polish removers without acetone giving a reduction in acetone emissions of 35,952 lb/year



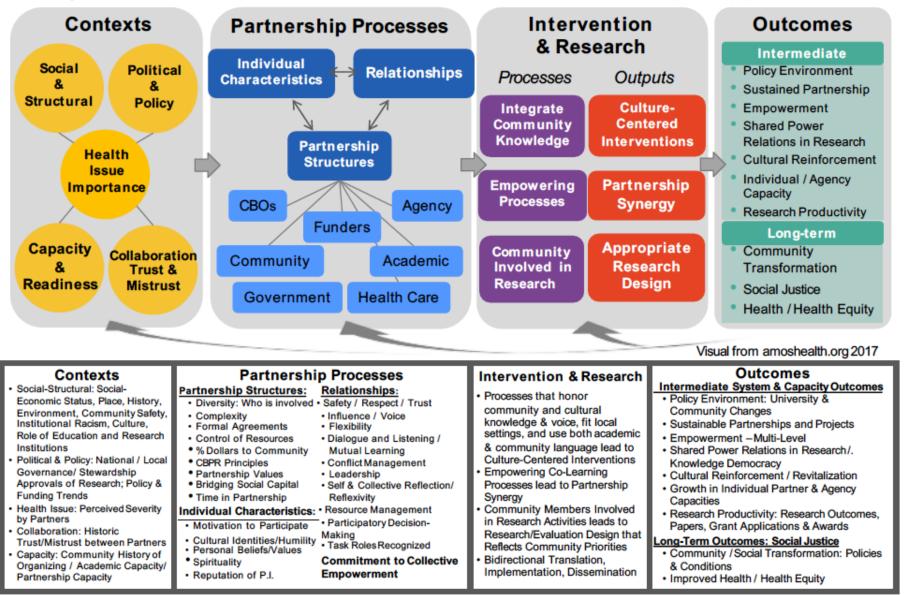
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CBPR Conceptual Model

Adapted from Wallerstein et al, 2008 & Wallerstein and Duran, 2018, https://cpr.unm.edu/research-projects/cbpr-project/cbpr-model.html



Lessons Learned

- Every community is unique CHWs have the trust and knowledge of the community
- Be adaptable the partner is always right
- Get CHWs involved as early as possible in the design of the intervention and/or research
- Sustainability the Navajo CHR model





Acknowledgements

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