



THE UNIVERSITY OF ARIZONA

Mel & Enid Zuckerman
College of Public Health

PhD in Epidemiology Program Level Competencies

- Prepare scientific research or program proposals that articulate specific aims, summarize appropriate background literature, describe study methodology and identify significance and limitations of the approach.
- Develop research questions to address health problems by appraising and identifying gaps in the current scientific literature.
- Design appropriate studies using causal inference principles for testing hypotheses in specific populations, after evaluating specific design advantages and limitations.
- Evaluate the integrity, comparability, and limitations of data to make inferences related to analyses and results.
- Lead group interactions competently, ethically, respectfully and professionally to diverse audiences.
- Organize and deliver clear presentations of research findings in varying professional formats to diverse audiences.
- Understand basic principles of educating professionals and the public on the fundamentals of epidemiological concepts.