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Section E

Some Examples

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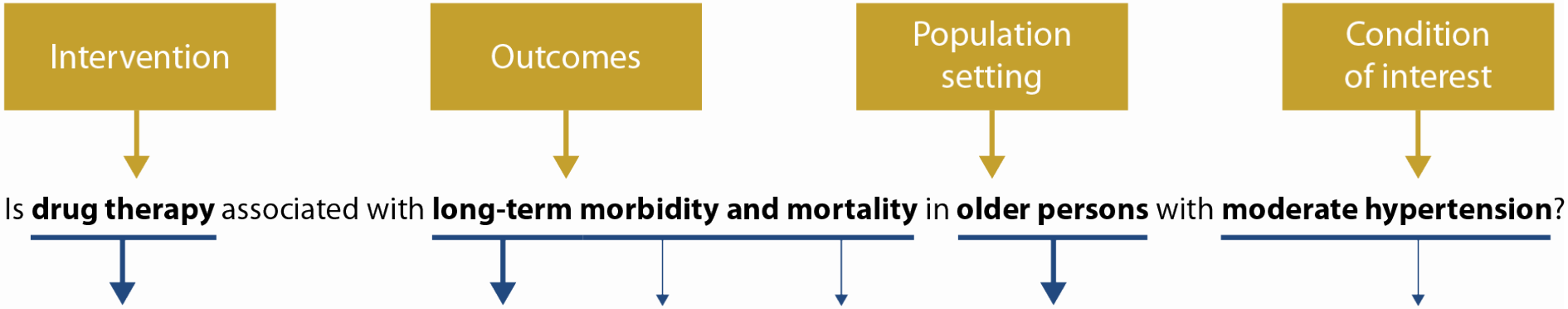
Let's Refine Our Concepts of the Research Question, PI/ECO, and Eligibility Criteria

- Research question
  - Is drug therapy associated with long-term morbidity and mortality in older persons with moderate hypertension?
- **P** = Older persons with moderate hypertension
- **I** = Drug therapy
- **C** = Not stated (presumably any intervention other than the named drug therapy)
- **O** = Long-term morbidity and mortality

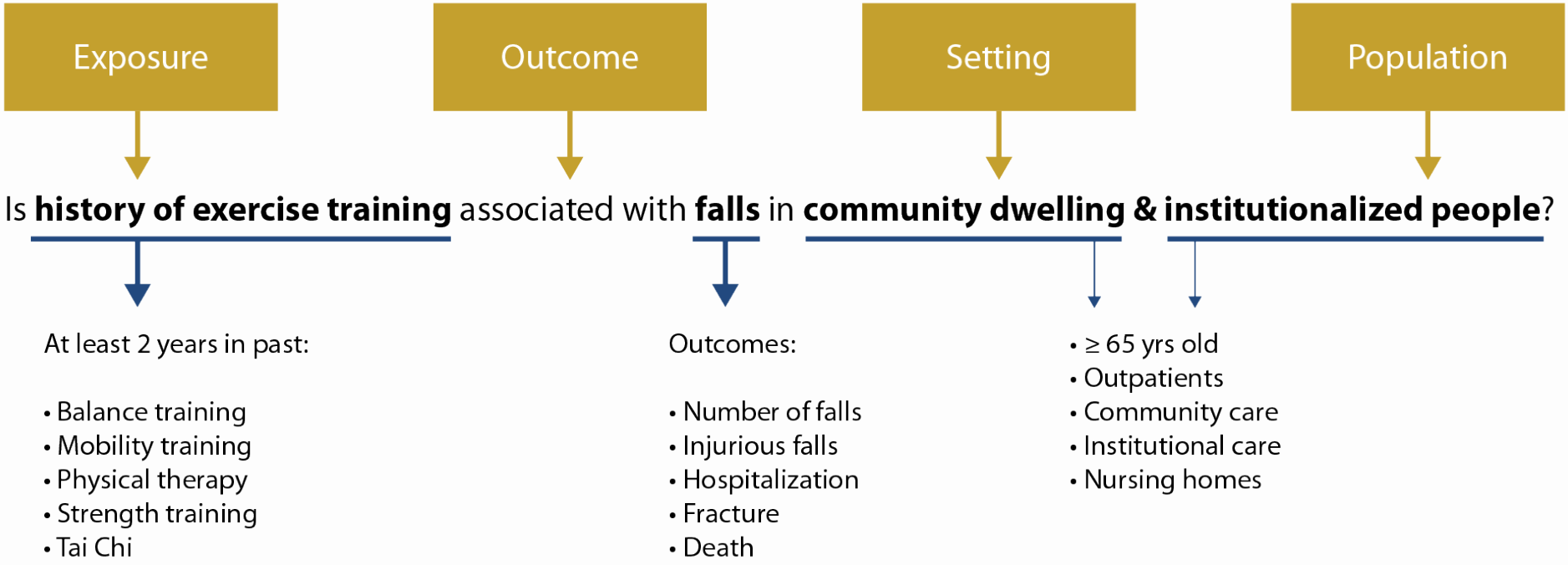
Example: The Well-Formulated Question



Let’s Try an Epi Question

- Is a history of exercise training associated with falls in community dwelling and institutionalized people?

Example: The Well-Formulated Question



Ex: Epi Question from 2009

- Topic: the association between the level of alcohol consumption and the incidence of stroke

- Research question: does moderate to heavy alcohol consumption reduce the risk of stroke?
  - Population = adults without prior stroke
  - Exposure = alcohol consumption presented in/could be converted to drinks per day; not solely binge or short term (24 hour); measured over > past 1 month or longer
  - Comparison = non-drinkers
  - Outcome = ischemic or hemorrhagic stroke or both; enough information to estimate RR, OR, AR, 95% CIs
  - Design = cohort studies