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Areas of Investigation with Respect to Reserve and Resilience

- Population Studied: Research cohorts focused on brain aging
- Methods: Neuropathology
- I investigate the neuropathologic features that accompany brain aging, and how they relate to cognitive performance data collected during life.

Concepts Used In Research

- **Disease** → result of injury and response to injury
- **Pathologic lesion** → each specifies a disease type and is a measure disease burden
- **Resistance** → state of no/low level of a specific pathologic lesion, implying a process that suppresses a specific type of injury/response, in the presence of high risk
- **Resilience** → state of limited clinically detectable deficits in the presence of intermediate/high levels of specific pathologic lesion.

Example of Data that Address One Concept

- Concept: resistance and resilience
- Measure: neuropathologic features and cognitive performance proximate to death
- Prevalence of resistance to common age-related neuropathologic lesions varies with disease.
- Prevalence of resilience is similar across diseases.

