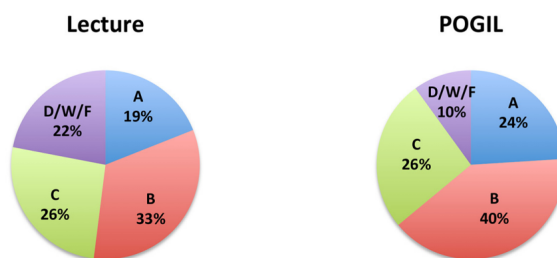


# Meta Activity: POGIL Research 1

*Process-Oriented Guided Inquiry Learning* (see [pogil.org](http://pogil.org)) is a student-centered, group-learning instructional strategy and philosophy developed through research on how students learn best. The following figure is from a peer-reviewed research article about POGIL:

## Grade Distributions in General Chemistry

Data (n = 905) from small (~24 students) sections of three instructors using lecture approach (1990-94) prior to implementation of POGIL pedagogy (1994-98).



Farrell, J.J., Moog, R.S., & Spencer, J.N. (1999). A Guided Inquiry Chemistry Course. *Journal of Chemical Education*, 76, 570-574.

### Questions (7.5 min)

Start time:

- Based on the figure above:
  - How many years were considered?
  - How many instructors were involved?
  - How many students were involved?
- Which grade categories improved after the instructors switched to POGIL?
- What does the research suggest about POGIL's impact on student success?