

Week 4 — Comparing groups: Monday exit ticket

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Name: _____

Date: _____

Instructions

Work through each item below. Write your final response in the space provided. Show enough work that another reader can follow your reasoning.

1. In a trial, of 50 patients given a new drug, 30 improved; of 50 patients given a placebo, 20 improved.
 - (a) What proportion improved in each group?
 - (b) What is the difference in the improvement proportions between the two groups?

2. You want to compare the proportion of patients who improved in a treatment group versus a control group, where the two groups have very different sizes.
 - (a) Which display makes the difference in improvement RATES easiest to compare: a stacked bar chart of counts, or a standardized (100%) bar chart of proportions?
 - (b) In one sentence, say why the other option is harder to read here.