LEARNING OBJECTIVES

11-23-21

PERFORMANCE GAP/ ACTIVITY NEED: "During the next 50 years, we need to produce more food than in the entire history of humankind on a decreasing amount of land for crop production. A major challenge for the 21st century is to increase the yields of major crop plants, such as soybean, using state-of-the-art genetic technologies. One way to accomplish this task is to use genomics to understand all of the genes required to "make a seed" in order to engineer plants for yield traits such as more seeds, bigger seeds, and seeds with improved nutritional composition. Increasing seed yield should contribute significantly to enhancing our food supply, because over half of the major crops used for human consumption are seed crops." Source: https://bioscience.ucla.edu/people/robert-b-goldberg/

it is important for primary care physicians to be knowledgeable about this concept, explain it to their patients, and relay the importance of genetic engineering in addressing climate change in the future.

DESIRED OUTCOMES: At the end of the activity, attendees will be able to:

- **define genetic engineering & GMOs.**
- **determine which crops on the market today have been genetically engineered.**
- **discuss how genetic engineering has played an important role in agriculture and its importance in addressing climate change.**

LEARNERS: all clinicians

DESIRABLE PHYSICIAN ATTRIBUTES: apply evidence-based practice, physician-patient communication