



Clinical and Translational Research

with NYU Grossman School of Medicine at New York University Langone Health

Talking points

Knowledge & Comprehension

1. What does STEPPS stand for?
2. What type of research does the Clinical Research Center conduct?
3. What does STEPPS involve for high school students?
4. What two issues does STEPPS tackle?
5. How does STEPPS expose students to a variety of roles in research?
6. What can students do once they have completed STEPPS?

Application

7. What would you ask the STEPPS team if you had the chance to meet them? Which particular elements of research would you like to learn about? Which skills would you like to focus on developing?

Analysis

8. Part of the STEPPS initiative is aimed at bringing more under-represented groups into medicine. Why do you think there are under-represented groups? What social and economic issues might be barriers to choosing careers in clinical research or medicine?

Creativity

9. The field of clinical research is massively accelerating due to advances in AI and machine learning. How do you think AI could help a specific healthcare condition in the future?

Activities

In STEPPS Awareness, high school students are taught the basics of designing and implementing a clinical research study. In their final session, they have to develop a project with the following components:

- Research proposal (introduction; background and literature review; rationale; methods and study design; significance, conclusion, and future directions)
- Mini consent form
- Mini questionnaire
- Budget
- Recruitment flyer
- Presentation

Imagine you are developing your own clinical trial, aimed towards any healthcare condition that you can think of.

Choose two of the components that the STEPPS group make for their clinical trial and create them yourself. This could be a consent form for people participating in the trials (listing the potential side effects and liability issues), a budget for the trial (considering how much money will be spent on recruitment and how much the medications will cost per person), or a recruitment flyer (enticing a people to participate in your study).

When you have finished, share your two clinical trial components with your classmates and ask for their feedback. Can they point out any issues that you forgot to consider?

More resources

- Visit the NYU Clinical and Translational Science Institute's website: med.nyu.edu/departments-institutes/clinical-translational-science
- Read some of the news stories on the NYU Langone Health website (nyulangone.org/news) to see if you are interested in the field of clinical research. Interesting articles include: Two Brothers, Two Congenital Heart Defects & the Same Happy Ending (nyulangone.org/news/two-brothers-two-congenital-heart-defects-same-happy-ending) or One Donor Liver, Three Operating Rooms, Two Lives Saved (nyulangone.org/news/one-donor-liver-three-operating-rooms-two-lives-saved).
- Read this article about how AI is improving healthcare: AI in healthcare: The future of patient care and health management - Mayo Clinic Press: mcpres.mayoclinic.org/healthy-aging/ai-in-healthcare-the-future-of-patient-care-and-health-management