UNOS℠ SimUNet℠
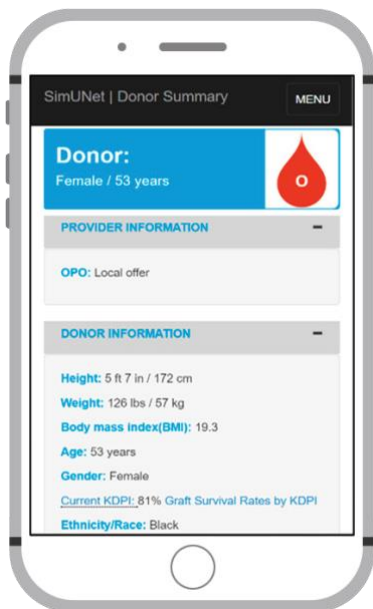
SimUNet℠, developed in 2016, is UNOS's web-based, interactive DonorNet® simulator. Through SimUNet, we send hypothetical organ offers (consisting of clinical parameters about a donor and a potential recipient) to transplant decision-makers. We capture their responses: accept or decline, their confidence in the decision, the reasons they declined, and how long it took to respond. Using this tool, researchers can test how data visualizations and elements of organ offer data impact decision-making when all other details of the organ offer and candidate remain the same. SimUNet allows researchers to evaluate potential enhancements to DonorNet that could affect offer acceptance behavior in unexpected ways.

SimUNet provides many opportunities to learn more about organ offer acceptance practices and human interaction with the DonorNet system.

- Previous IRB-approved studies have:
  - Tested user experience features
  - Evaluated the role specific clinical factors have on kidney offer decision-making
  - Provided center-specific, quality improvement (QI) insights, including comparing decision-making patterns of transplant surgeons within the same center and different centers
- Two premier transplant societies use SimUNet for surgeon and physician training
- Several leading institutes have partnered with UNOS on federal and philanthropic research grants, using SimUNet to support their work in evaluating ways to improve the organ offer process

SimUNet is currently available for kidney offer simulation, and there are upcoming expansions into heart and liver offer simulations.

For more details, please contact

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