Disclosures

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I have no financial relationships to disclose within the past 12 months relevant to my presentation.

My presentation does not include discussion of off-label or investigational use.

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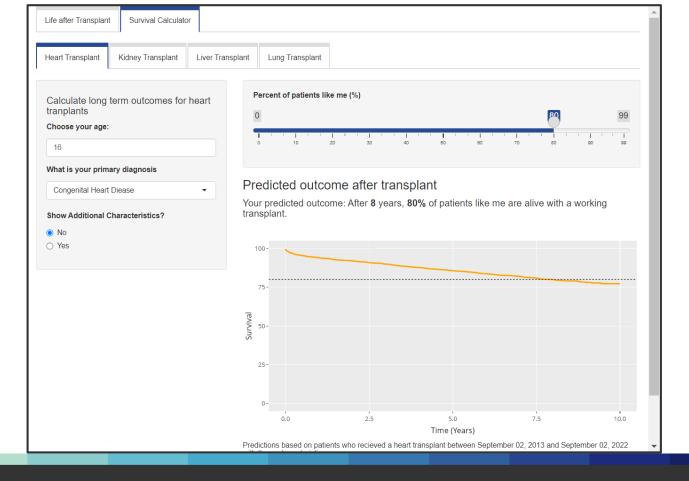
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A Patient-facing Calculator for Long-term Heart Transplant Outcomes

Jonathan M. Miller, Elizabeth Murphy, Grace R. Lyden, David Zaun, Jon J. Snyder

Background

- To assist patients awaiting solid organ transplant engaging with medically complex decisions
- This study describes a patient-facing long-term transplant outcomes calculator.

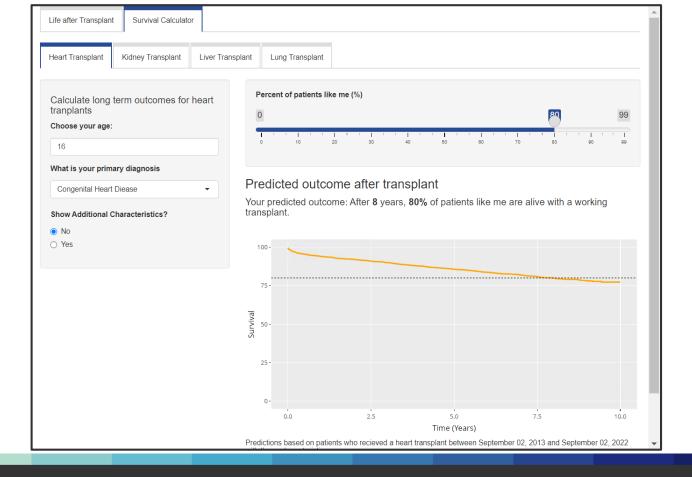


Methods

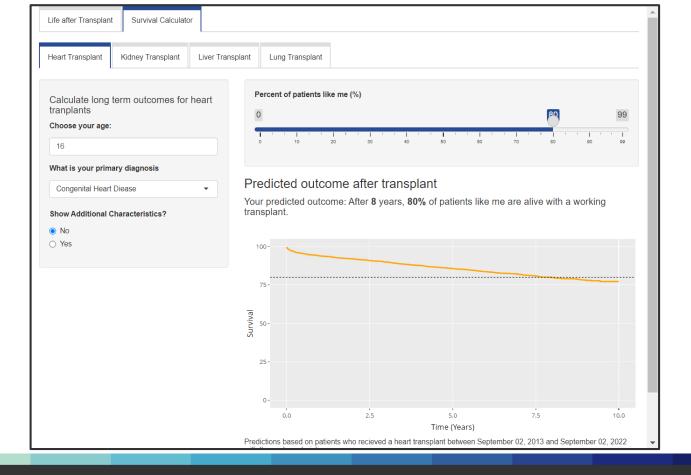
- Models can be updated quickly as frequently as each month
- Period prevalent transplant recipient cohort underwent transplant between 10.5 and 1.5 years prior to the data release date and alive with functioning transplant 3.5 years prior to the data release
- <u>Survival model</u> Cox proportional hazards model with variable selection via LASSO (least absolute shrinkage and selection operator);
- End point Survival with a functioning transplant

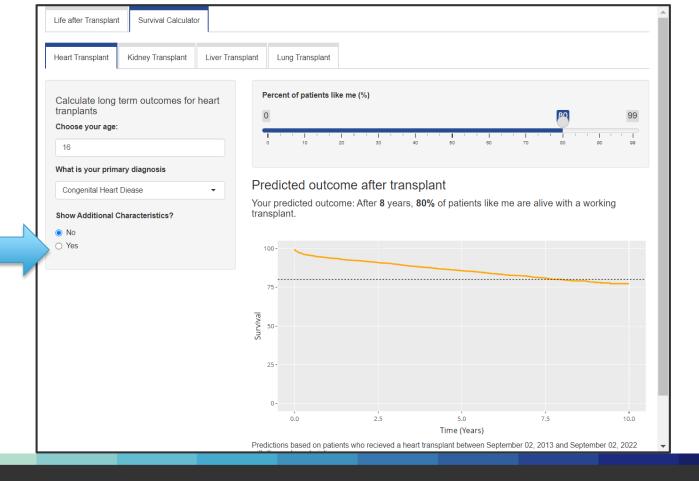
Results

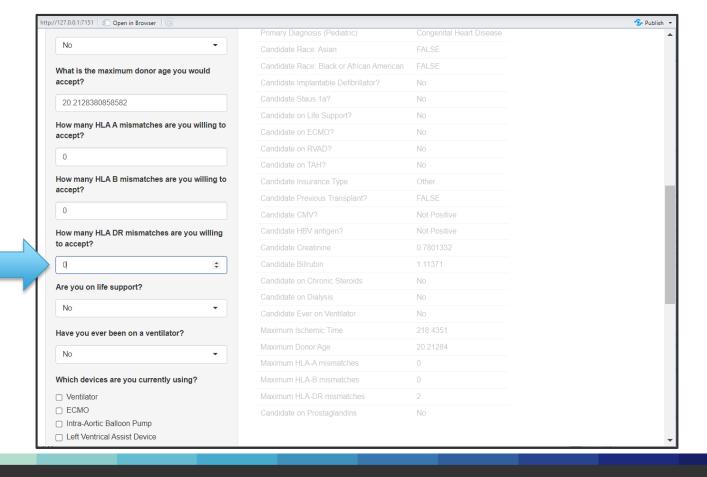
- <u>Population</u> 4,128 Pediatric heart recipients who underwent transplant between September 2, 2013, and September 2, 2022, and alive with a functioning graft on September 2, 2020
- Model fit Concordance = 0.66

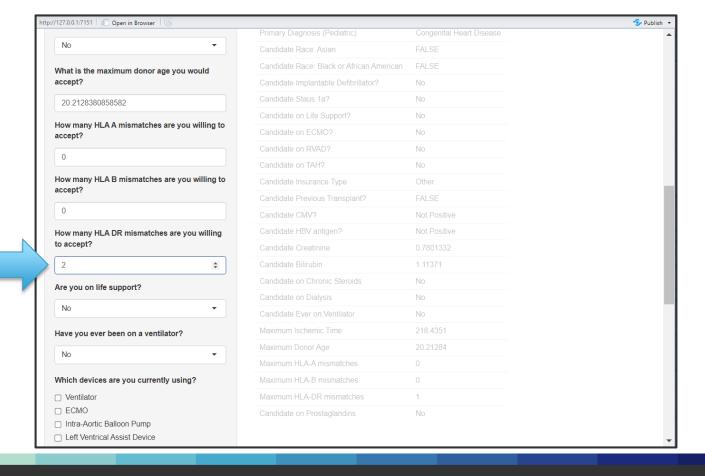


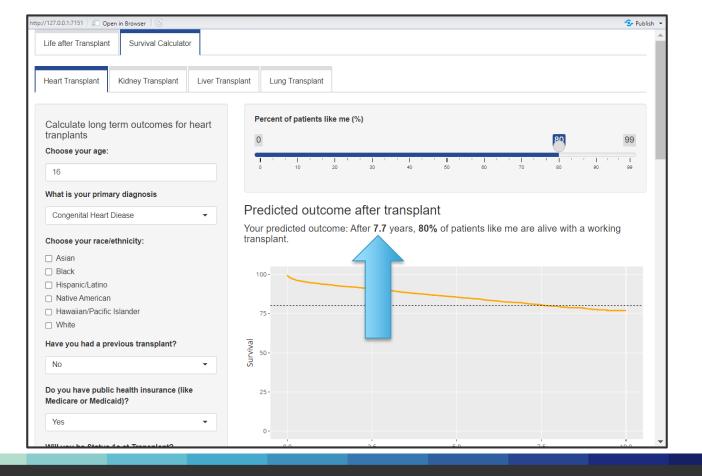
How can it help with decision-making?











Conclusions

- This tool can give patients and providers information on what to expect after transplant, and
- Help inform pretransplant decision-making



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