

Background

We have developed a patient-centered and preference-based novel measurement model in 2018 (multi-attribute response model, MAPR). In 2019, we introduced a novel, generic, patient-reported outcome measure (PROM) called CS-Base.

Objectives

To compare our new approach for measuring health status with the established EQ-5D.

Methods

A cross-sectional study, random sample of USA patients with various diseases or complaints.

Measures

- CS-Base: 12 items, 4 levels
 - EQ-5D
 - original EQ-5D-5L: 5 items, 5 levels
 - adapted version: 5 items, 4 levels (5D-4L)
- PROMs were run in mobile app: HealthSnApp
www.chateau-sante.com/healthsnapp

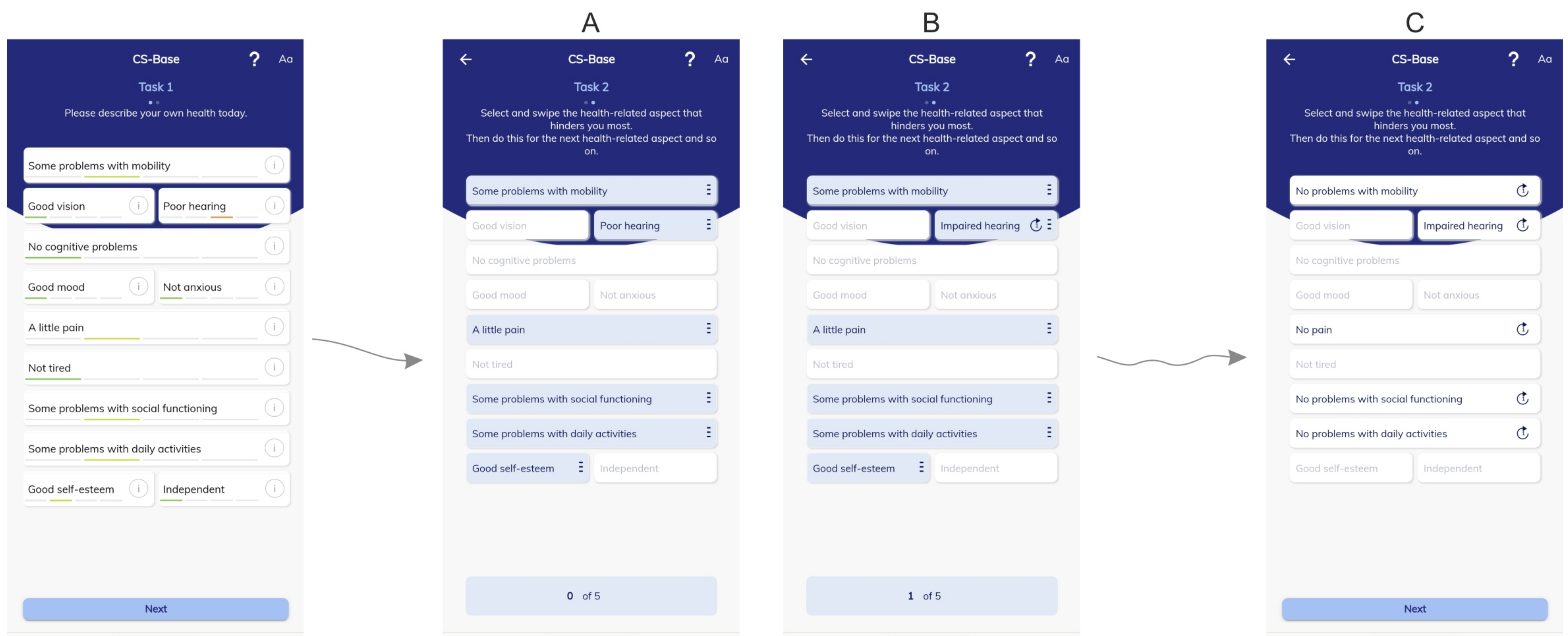


Figure 1 CS-Base running on HealthSnApp

Results

Our sample comprised of 1989 respondents.

- CS-Base and 5D-4L coefficients all had a logical order.
- For all 3 PROMs 'usual activities' had the lowest impact, 'mobility', 'pain', and 'anxiety' had high or moderate impacts.
- For CS-Base high impacts were also observed for 'vision' and 'hearing'.
- Values of the CS-Base were more densely and evenly distributed, followed by the EQ-5D-5L, 5D-4L.
- Ceiling effects in EQ-5D, not in CS-Base.

Conclusion

CS-Base (based on the MAPR model) performed better in discriminating health states, especially for mild health states. Also showed more precise and reasonable coefficients than the EQ-5D-5L.

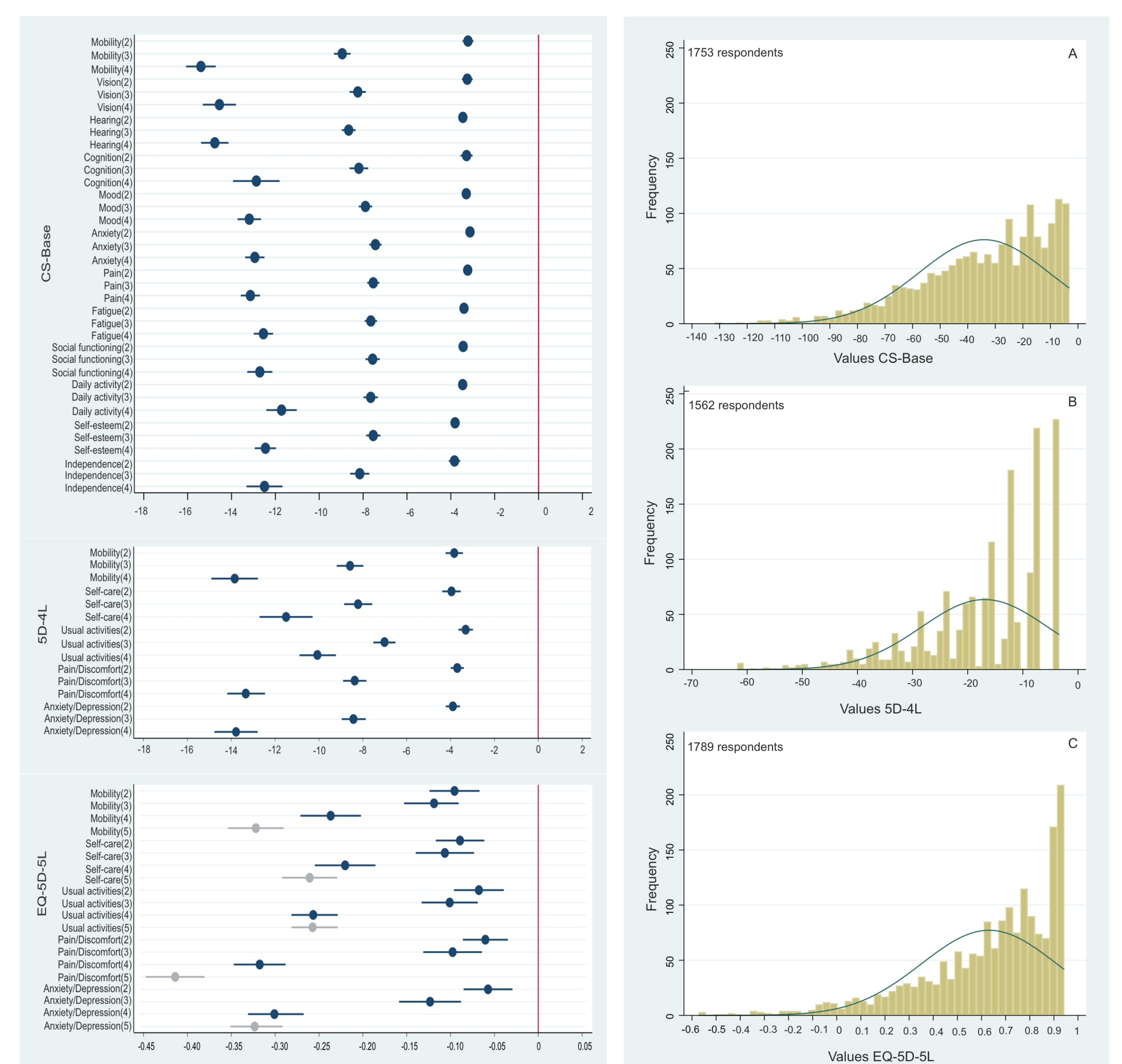


Figure 2 Coefficients

Figure 2 Values

References

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- 4 Pickard S, Law E, Jiang R, Pullenayegum E, Shaw J, Xie F, et al. 2019. United States valuation of EQ-5D-5L health states using an international protocol. Value Health. 22 (8), 931-941.