

Web Supplement to:

Regan AK, Swathi PA, Nosek M, Gu NY. Measurement of Health-Related Quality-of-Life from Conception to Postpartum among a National Sample of U.S. Pregnant and Postpartum Adults. Applied Health Economics and Health Policy.

Corresponding author:

Dr Annette Regan, PhD, MPH
Assistant Professor
School of Nursing and Health Professions
University of San Francisco
akregan@usfca.edu

Conflicts of interest: The authors have no potential conflicts of interest to disclose.

Funding Source: This study received funding from the University of San Francisco and the EuroQol Research Foundation (260-2020-RA; 384-2021-RA). The views expressed by the authors do not necessarily reflect the views of the EuroQol Group.

Table of Contents

Table S1. Survey measures used to assess HRQoL, health conditions, and pregnancy characteristics in a national sample of U.S. pregnant and postpartum adults.....	3
Figure S1. Fitted values from quantile regression model predicting EQ-5D-5L utility values as a function of the month of pregnancy or postpartum at the time of survey, adjusting for calendar month of last menstrual period – United States, May 2021 – April 2022.....	4
Figure S2. Distribution of EQ-5D-5L utility values and EQ-5D-5L VAS scores, by survey wave and the month of pregnancy or postpartum at the time of survey – United States, May 2021 – April 2022.....	5
Figure S3. Mean EQ-5D-5L utility values (a) and EQ-5D-5L VAS scores (b), by year and quarter of conception – United States, May 2021 to April 2022.....	6
Figure S4. Percent of participants reporting problems with mobility, self-care, engaging in usual activities, pain or discomfort, and anxiety and depression (EQ-5D-5L), by the year and quarter of conception – United States, May 2021 to April 2022.....	7

Table S1. Survey measures used to assess HRQoL, health conditions, and pregnancy characteristics in a national sample of U.S. pregnant and postpartum adults.

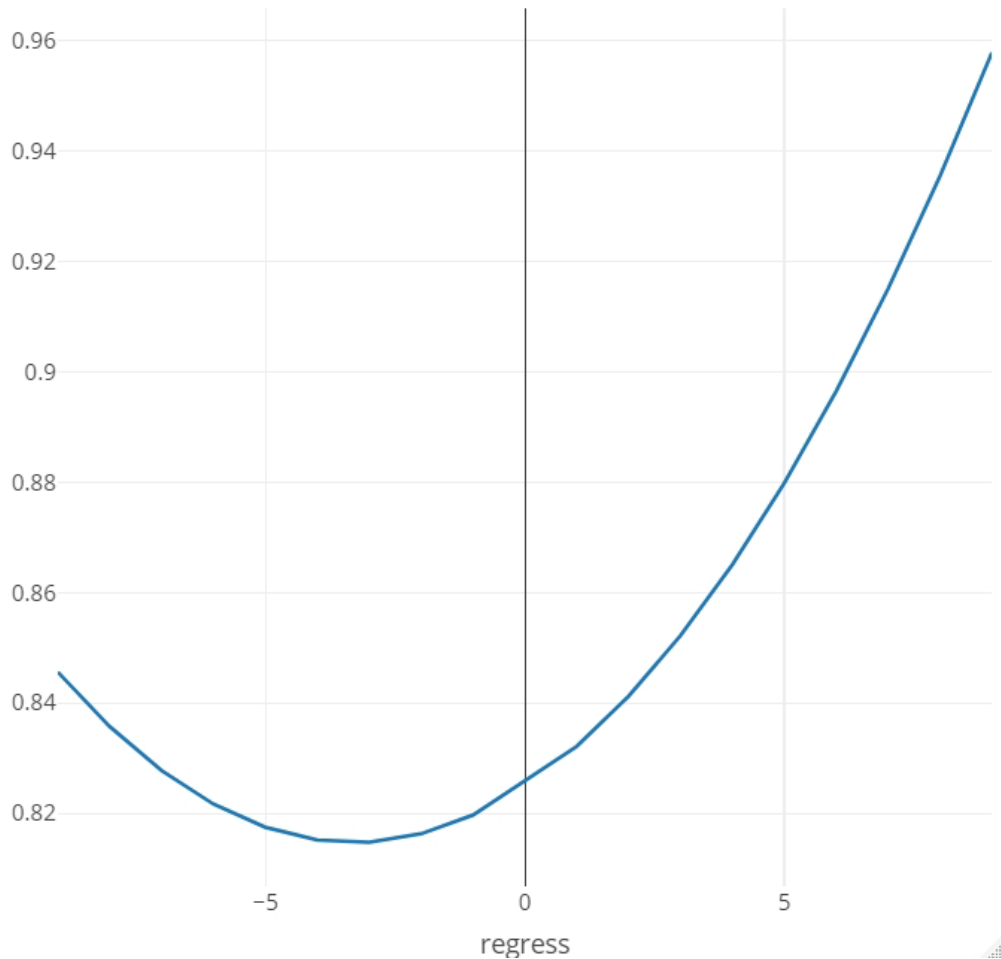
Category	Measure
Health-related quality of life (HRQoL)	EQ-5D-5L ¹ EQ VAS
Anxiety and Depression	PHQ-4 ² GAD-7 ³
Pre-existing health conditions	Self-reported diagnosis (prior to pregnancy) of asthma, Type I or Type II diabetes, coronary heart disease, essential hypertension, or depression
Pregnancy complications	Self-reported diagnosis of pre-eclampsia, gestational diabetes,
Obstetric characteristics	Parity, pregnancy intention
Month of pregnancy or postpartum at time of survey	Last menstrual period (mm/dd/yyyy) Expected date of delivery (mm/dd/yyyy) Date of delivery or pregnancy end (mm/dd/yyyy) Gestational age at birth (in weeks)
Social and demographic information	Age, race/ethnicity, educational attainment, employment status, insurance coverage, marital status, U.S. Census region and rurality of residence, sexual orientation, place of birth

¹ Herdman M, Gudex C, Lloyd A, Janssen M, Kind P, Parkin D, et al. Development and preliminary testing of the new five-level version of EQ-5D (EQ-5D-5L). *Qual Life Res.* 2011;20(10):1727-36

² Löwe B, Wahl I, Rose M, Spitzer C, Glaesmer H, Wingenfeld K, et al. A 4-item measure of depression and anxiety: validation and standardization of the Patient Health Questionnaire-4 (PHQ-4) in the general population. *J Affect Disord.* 2010;122(1-2):86-95.

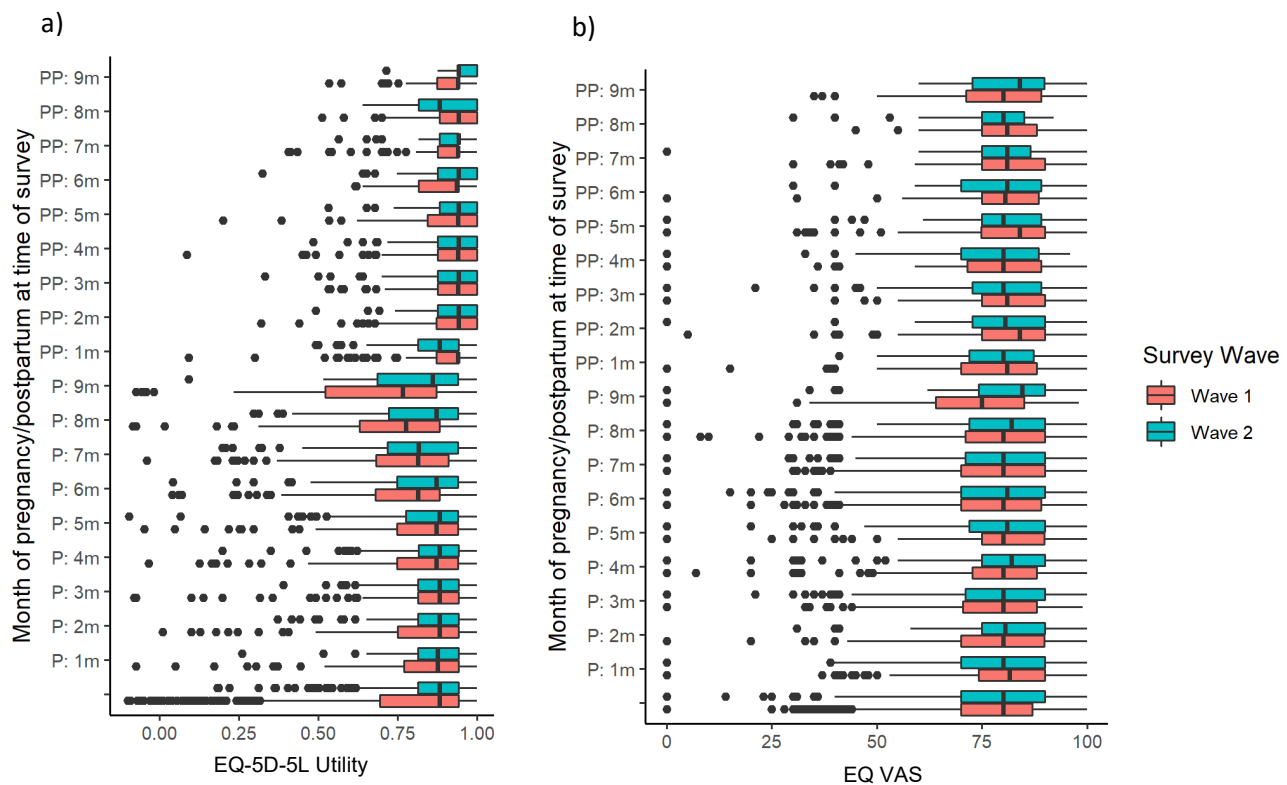
³ Spitzer RL, Kroenke K, Williams JB, Löwe B. A brief measure for assessing generalized anxiety disorder: the GAD-7. *Arch Intern Med.* 2006;166(10):1092-7.

Figure S1. Fitted values from quantile regression model predicting EQ-5D-5L utility values as a function of the month of pregnancy or postpartum at the time of survey, adjusting for calendar month of last menstrual period – United States, May 2021 – April 2022.



Note: Zero value indicates the end of pregnancy; -5 value represents the fifth month of pregnancy and 5 value represents the fifth month postpartum

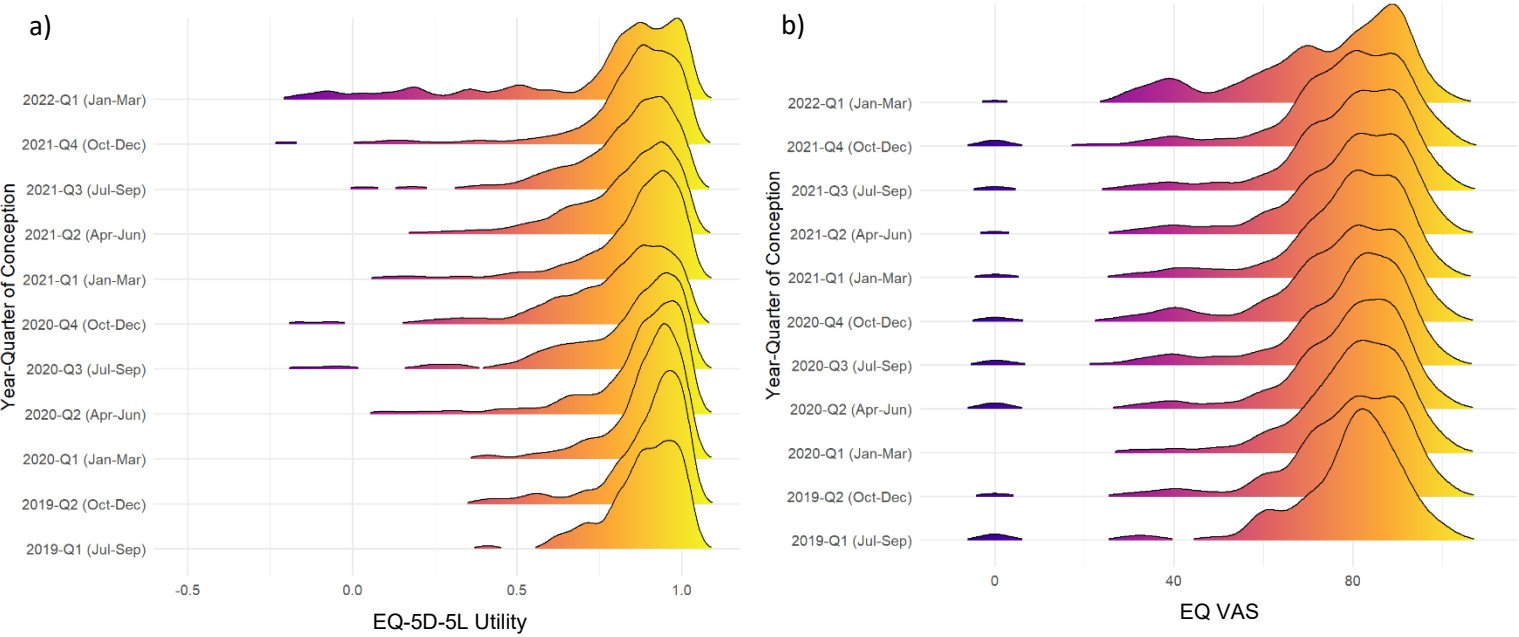
Figure S2. Distribution of EQ-5D-5L utility values (a) and EQ VAS scores (b), by survey wave and the month of pregnancy or postpartum at the time of survey – United States, May 2021 – April 2022.



NOTE: Dots indicate outlier values.

P, pregnancy month; PP, postpartum month

Figure S3. Mean EQ-5D-5L utility values (a) and EQ VAS scores (b), by year and quarter of conception – United States, May 2021 to April 2022.



P, pregnancy month; PP, postpartum month

Figure S4. Percent of participants reporting problems with mobility, self-care, engaging in usual activities, pain or discomfort, and anxiety and depression (EQ-5D-5L), by the year and quarter of conception – United States, May 2021 to April 2022.

