**Supplemental Digital Material 2. Wright Map depicting case distribution and item thresholds for the Desire to Avoid Pregnancy (DAP) Measure** (see Legend on the next page)

Logit *Mean raw* Participant locations Generalised-Item Threshold locations

score *score*

-----------------------------------------------------------------------------------------------------------------

5 *4.0* X| |

| |

| |

*Higher desire to avoid pregnancy*

| |

| |

X| |

4 XX| |

X| |

| |

XXX| |

XX| |

3 XXXXXX| |

XXXXX| |

XXXXX| |

XXXXXXX| |

XXXXXXX| |

XXXXXXXX| |

2 XXXXXXXXXXX| 7.4 9.4 |

*3.5* XXXXXXXX| 3.4 |

XXXXXXXXXXXXXXXXXX| 5.4 10.4 12.4 13.4 |

XXXXXXXXXXXXXX| |

XXXXXXXXXXXXXXXXXXXXX| 8.4 9.3 |

1 *3.0* XXXXXXXXXXXXXXXXXXXXXXX| 7.3 11.4 14.4 |

XXXXXXXXXXXXXXXXXXXXXXXXX| 4.4 |

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 3.3 6.4 9.2 10.3 12.3 13.3 |

*2.5* XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|1.4 5.3 8.3 |

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 7.2 |

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 2.4 12.2 13.2 |

0 *2.0* XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 3.2 4.3 10.2 11.3 14.3 |

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX|1.3 |

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX| 5.2 6.3 8.2 9.1 11.2 |

*1.5* XXXXXXXXXXXXXXXXXXXXXXXXXXX| 2.3 14.2 |

XXXXXXXXXXXXXXXXXX|1.2 4.2 7.1 12.1 |

-1 *1.0* XXXXXXXXXXXXXXXXXXX| |

XXXXXXXXXXXXX| 6.2 13.1 |

XXXXXXXXXX| 2.2 3.1 8.1 10.1 14.1 |

XXXXXXXXXX| 11.1 |

XXXXXXXX| 4.1 6.1 |

*0.5* XXXXXXX| 5.1 |

-2 XXXXXXXX|1.1 2.1 |

XXXX| |

XXX| |

XXXX| |

XXX| |

-3 XXX| |

X| |

XXX| |

X| |

| |

X| |

*Lower desire to avoid pregnancy*

-4 X| |

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| |

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| |

-5 *0* | |

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**Legend**

The distribution of cases is on the left. Each 'X' represents 1.1 women. The item category threshold locations are on the right. The labels for thresholds show the levels of item, and category, respectively (item.threshold). For instance, one of the more difficult items, item 7, is “Baby: bad for my life.” The term “7.4” represents the threshold between “agree” and “strongly agree” for the item: a participant falling at the level of the “7.4” has a 50% chance of endorsing “agree” and 50% chance of endorsing “disagree” on the item. This sample plot demonstrates that the items cover the pregnancy preference levels of participants well and that the response categories for each item serve to differentiate participants along the spectrum of the latent construct.