Supplemental File 1:
Predicted Episode Durations
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![Bar chart showing proportions of duration categories for NPHS and Simulated data.](chart.png)
Figure 6. Age 12-18, No Pain, Smoking and No Childhood Stressors

No Pain, Smoking and No Childhood Stressors

![Bar Chart]

Duration Category

- 2-7 wks
- 8-12 wks
- 13-25 wks
- 25-51 wks
- 52 plus wks

Proportion

- NPHS
- Simulated
Figure 7. Age 12-18, No Pain, No Smoking and Childhood Stressors

Proportion

Duration Category

NPHS  Simulated
Figure 8. *Age 12-18, No Pain, No Smoking and No Childhood Stressors*
Figure 9. Age 19-25, Pain, Smoking and Childhood Stressors

Proportion

Duration Category

NPHS  Simulated

2-7 wks  8-12 wks  13-25 wks  25-51 wks  52 plus wks
Figure 10. Age 19-25, Pain, Smoking and No Childhood Stressors
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![Graph showing proportion across duration categories]

- Duration Category
  - 2-7 wks
  - 8-12 wks
  - 13-25 wks
  - 25-51 wks
  - 52 plus wks

Proportion

NPHS

Simulated
Figure 13. Age 19-25, No Pain, Smoking and Childhood Stressors

![Chart showing proportion of different duration categories such as 2-7 weeks, 8-12 weeks, 13-25 weeks, 25-51 weeks, and 52 plus weeks. The chart compares NPHS and Simulated data.](image-url)
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![Bar Chart]

Proportion

Duration Category

NPHS  Simulated

- 2-7 wks
- 8-12 wks
- 13-25 wks
- 25-51 wks
- 52 plus wks
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![Bar chart showing proportion of duration categories for NPHS and Simulated data.](chart.png)
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![Bar chart showing duration category and proportion for NPHS and Simulated data. The chart has five duration categories: 2-7 wks, 8-12 wks, 13-25 wks, 25-51 wks, and 52 plus wks. The y-axis represents the proportion ranging from 0 to 0.5. The NPHS data is shown in blue, and the Simulated data is shown in red. The NPHS data shows a higher proportion in the 2-7 wks category compared to the Simulated data.]
Figure 33. Age 66 or more, Pain, Smoking and Childhood Stressors

![Bar Chart Image]

Proportion

Duration Category

2-7 wks  8-12 wks  13-25 wks  25-51 wks  52 plus wks

NPHS  Simulated
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![Bar chart showing proportion by duration category (2-7 wks, 8-12 wks, 13-25 wks, 25-51 wks, 52 plus wks) for NPHS and Simulated categories.]

- NPHS
- Simulated
Figure 37. Age 66 or more, No Pain, Smoking and Childhood Stressors
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![Bar chart showing proportion of NPHS and Simulated data for various duration categories.]

- Proportion
- Duration Category
- NPHS
- Simulated

- 2-7 wks
- 8-12 wks
- 13-25 wks
- 25-51 wks
- 52 plus wks
Figure 40. Age 66 or more, No Pain, No Smoking and No Childhood Stressors

![Bar chart showing proportion of duration categories for NPHS and Simulated data.](image-url)