



Model M1 (base) M2 (demographics) M3 (K6) M4 (full)

| Model | MEPS Cohort % | MEPS Period % | NHIS Cohort % | NHIS Period % |
|---|---------------|---------------|---------------|---------------|
| M1: Base (age + period + cohort) | 1.45 | 0.44 | 0.50 | 0.12 |
| M2: + Demographics (race, education, sex) | 0.84 | 0.30 | 0.30 | 0.64 |
| M3: + K6 psychological distress | 0.45 | 0.09 | 0.07 | 0.23 |
| M4: Full (demographics + K6) | 0.36 | 0.05 | 0.08 | 0.69 |
| Cohort % Reduction (M1→M4) | 75% | — | 85% | — |

Model Specifications:

- . M1 (Base): $SRH \sim age + age^2 + \log(weight) + (1|period) + (1|cohort)$
- . M2 (Demographics): M1 + race/ethnicity + education + sex
- . M3 (K6): M1 + K6 psychological distress score (0–24)
- . M4 (Full): M1 + demographics + K6

Notes: Random effects for 4–year period and cohort bins. N = 100,000 subsampled per survey. NHIS restricted to 1997+ (education availability).