eTable 6. Joinpoint results by broad opioid type, black population, 1979-2015

# eTable 6: Joinpoint results in black population by broad opioid type, 1979-2015

## Average APC

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time period | Race | Outcome | Average APC (95% CI) | *P* value |
| 1979-2016 | Black | Heroin | 8.00 (6.79, 9.21) | < 0.001 |
| 1979-2016 | Black | Methadone | 0.07 (-3.92, 4.23) | = 0.97 |
| 1979-2016 | Black | Non-heroin, non-methadone opioid | 8.52 (6.47, 10.61) | < 0.001 |

## Joinpoint Summary (Jump model)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time period | Race | Outcome | APC (95% CI) | *P* value |
| 1979-1995 | Black | Heroin | 7.61 (5.60, 9.67) | < 0.001 |
| 1995-2010 | Black | Heroin | -0.55 (-2.08, 1.00) | = 0.47 |
| 2010-2016 | Black | Heroin | 33.98 (29.46, 38.65) | < 0.001 |
| 1979-1987 | Black | Methadone | 1.98 (-9.29, 14.65) | = 0.73 |
| 1987-1998 | Black | Methadone | -12.56 (-20.73, -3.55) | < .01 |
| 1998-2006 | Black | Methadone | 23.75 (19.05, 28.62) | < 0.001 |
| 2006-2009 | Black | Methadone | -10.32 (-26.27, 9.07) | = 0.26 |
| 2009-2016 | Black | Methadone | -0.44 (-3.06, 2.25) | = 0.73 |
| 1979-1994 | Black | Non-heroin, non-methadone opioid | 14.60 (10.25, 19.12) | < 0.001 |
| 1994-2013 | Black | Non-heroin, non-methadone opioid | -1.04 (-2.34, 0.28) | = 0.12 |
| 2013-2016 | Black | Non-heroin, non-methadone opioid | 48.16 (30.87, 67.72) | < 0.001 |

## Joinpoint Model Estimates

### Estimates

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Race | Outcome | Year (95% CI) | Intercept (SE) | Intercept *P* Value | Slope (SE) | Slope *P* Value | Change in Slope (SE) | Slope Change *P* Value |
| Black | Heroin | 1979 (Starting year) | -146.28 (18.38) | < 0.001 | 0.07 (0.01) | < 0.001 | NA | NA |
| Black | Heroin | 1995 (1993, 2002) | 11.18 (15.15) | = 0.47 | -0.01 (0.01) | = 0.47 | -0.08 (0.01) | < 0.001 |
| Black | Heroin | 2010 (2009, 2011) | -587.86 (33.83) | < 0.001 | 0.29 (0.02) | < 0.001 | 0.30 (0.02) | < 0.001 |
| Black | Methadone | 1979 (Starting year) | -41.85 (112.50) | = 0.71 | 0.02 (0.06) | = 0.73 | NA | NA |
| Black | Methadone | 1987 (1981, 2001) | 263.87 (94.66) | < .05 | -0.13 (0.05) | < .01 | -0.15 (0.07) | < .05 |
| Black | Methadone | 1998 (1992, 2007) | -430.02 (37.51) | < 0.001 | 0.21 (0.02) | < 0.001 | 0.35 (0.05) | < 0.001 |
| Black | Methadone | 2006 (2004, 2011) | 215.96 (190.40) | = 0.27 | -0.11 (0.09) | = 0.26 | -0.32 (0.10) | < .01 |
| Black | Methadone | 2009 (2007, 2014) | 5.97 (26.02) | = 0.82 | -0.00 (0.01) | = 0.73 | 0.10 (0.10) | = 0.29 |
| Black | Non-heroin, non-methadone opioid | 1979 (Starting year) | -271.10 (37.67) | < 0.001 | 0.14 (0.02) | < 0.001 | NA | NA |
| Black | Non-heroin, non-methadone opioid | 1994 (1992, 1996) | 21.34 (13.02) | = 0.11 | -0.01 (0.01) | = 0.12 | -0.15 (0.02) | < 0.001 |
| Black | Non-heroin, non-methadone opioid | 2013 (2012, 2014) | -790.93 (122.41) | < 0.001 | 0.39 (0.06) | < 0.001 | 0.40 (0.06) | < 0.001 |

### Summary

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Outcome | Race | Obs. (N) | Parameters | Degrees of Freedom | Sum of squared errors | Mean squared error |
| Heroin | Black | 38 | 6 | 32 | 97.41732 | 3.044291 |
| Methadone | Black | 38 | 10 | 28 | 36.91320 | 1.318329 |
| Non-heroin, non-methadone opioid | Black | 38 | 6 | 32 | 264.69590 | 8.271747 |