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 |
| 1979-2015 | Black | Heroin | 7.32 (6.01, 8.64) | < 0.001 |
| 1979-2015 | Black | Methadone | -0.10 (-3.96, 3.91) | = 0.96 |
| 1979-2015 | Black | Non-heroin, non-methadone opioid | 7.18 (4.84, 9.56) | < 0.001 |

## Joinpoint Summary (Jump model)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Time period | Race | Outcome | APC (95% CI) | *P* value |
| 1979-1995 | Black | Heroin | 7.60 (5.56, 9.69) | < 0.001 |
| 1995-2010 | Black | Heroin | -0.44 (-1.99, 1.13) | = 0.57 |
| 2010-2015 | Black | Heroin | 33.28 (26.73, 40.16) | < 0.001 |
| 1979-1987 | Black | Methadone | 1.98 (-8.67, 13.87) | = 0.72 |
| 1987-1998 | Black | Methadone | -12.56 (-20.28, -4.10) | < .01 |
| 1998-2006 | Black | Methadone | 23.62 (19.20, 28.20) | < 0.001 |
| 2006-2009 | Black | Methadone | -9.43 (-24.67, 8.91) | = 0.28 |
| 2009-2015 | Black | Methadone | -1.91 (-5.07, 1.35) | = 0.23 |
| 1979-1994 | Black | Non-heroin, non-methadone opioid | 14.52 (10.31, 18.89) | < 0.001 |
| 1994-2013 | Black | Non-heroin, non-methadone opioid | -0.66 (-1.93, 0.62) | = 0.30 |
| 2013-2015 | Black | Non-heroin, non-methadone opioid | 34.13 (1.58, 77.11) | < .05 |

## 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) | -146.05 (18.64) | < 0.001 | 0.07 (0.01) | < 0.001 | NA | NA |
| Black | Heroin | 1995 (1993, 2002) | 8.94 (15.36) | = 0.57 | -0.00 (0.01) | = 0.57 | -0.08 (0.01) | < 0.001 |
| Black | Heroin | 2010 (2009, 2011) | -577.34 (49.60) | < 0.001 | 0.29 (0.02) | < 0.001 | 0.29 (0.03) | < 0.001 |
| Black | Methadone | 1979 (Starting year) | -41.85 (105.70) | = 0.70 | 0.02 (0.05) | = 0.72 | NA | NA |
| Black | Methadone | 1987 (1981, 2001) | 263.87 (88.93) | < .01 | -0.13 (0.04) | < .01 | -0.15 (0.07) | < .05 |
| Black | Methadone | 1998 (1984, 2007) | -428.02 (35.24) | < 0.001 | 0.21 (0.02) | < 0.001 | 0.35 (0.05) | < 0.001 |
| Black | Methadone | 2006 (1993, 2010) | 195.97 (178.88) | = 0.28 | -0.10 (0.09) | = 0.28 | -0.31 (0.09) | < .01 |
| Black | Methadone | 2009 (2004, 2013) | 35.81 (31.83) | = 0.27 | -0.02 (0.02) | = 0.24 | 0.08 (0.09) | = 0.39 |
| Black | Non-heroin, non-methadone opioid | 1979 (Starting year) | -269.81 (36.40) | < 0.001 | 0.14 (0.02) | < 0.001 | NA | NA |
| Black | Non-heroin, non-methadone opioid | 1994 (1992, 1996) | 13.83 (12.58) | = 0.28 | -0.01 (0.01) | = 0.30 | -0.14 (0.02) | < 0.001 |
| Black | Non-heroin, non-methadone opioid | 2013 (2009, 2013) | -590.71 (273.79) | < .05 | 0.29 (0.14) | < .05 | 0.30 (0.14) | < .05 |

### Summary

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Outcome | Race | Obs. (N) | Parameters | Degrees of Freedom | Sum of squared errors | Mean squared error |
| Heroin | Black | 37 | 6 | 31 | 96.48112 | 3.112294 |
| Methadone | Black | 37 | 10 | 27 | 32.05168 | 1.187099 |
| Non-heroin, non-methadone opioid | Black | 37 | 6 | 31 | 195.46617 | 6.305360 |