

# Tables testing

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```
## Warning in `[.data.table`(table1, , `:=`(V1, NULL))`: Adding new column 'V1'
## then assigning NULL (deleting it).

## Warning in `[.data.table`(table1, , `:=`(metroname, NULL))`: Adding new
## column 'metroname' then assigning NULL (deleting it).

## Warning in `[.data.table`(table1, , `:=`(regionname, NULL))`: Adding new
## column 'regionname' then assigning NULL (deleting it).
```

Table 1: Change in ASCDR (per 100,000) and contextual covariates, 2000-2015

|                     | ASCDR |       | College |      | Poverty |      | Transfers |      | Manuf |      | Black |      | Hispanic |      | Foreign |      | Obesity |      | Drinking |      | Smoking |      | MDs/pc |      | Mammog |      | Diabetes |      |
|---------------------|-------|-------|---------|------|---------|------|-----------|------|-------|------|-------|------|----------|------|---------|------|---------|------|----------|------|---------|------|--------|------|--------|------|----------|------|
|                     | 2000  | 2015  | 2000    | 2015 | 2000    | 2015 | 2000      | 2015 | 2000  | 2015 | 2000  | 2015 | 2000     | 2015 | 2000    | 2015 | 2000    | 2015 | 2000     | 2015 | 2000    | 2015 | 2000   | 2015 | 2000   | 2015 | 2000     | 2015 |
| <b>Large metro</b>  |       |       |         |      |         |      |           |      |       |      |       |      |          |      |         |      |         |      |          |      |         |      |        |      |        |      |          |      |
| Appalachia          | 495.0 | 482.7 | 26.1    | 33.9 | 10.4    | 14.2 | 5.3       | 6.9  | 9.4   | 8.2  | 21.9  | 24.0 | 1.1      | 2.6  | 1.8     | 2.5  | 27.8    | 40.5 | 6.4      | 10.6 | 27.1    | 22.6 | 5.0    | 6.1  | 61.0   | 57.9 | 78.1     | 83.1 |
| East North Central  | 512.2 | 446.1 | 24.9    | 30.9 | 12.1    | 18.2 | 6.4       | 8.8  | 15.8  | 12.0 | 27.2  | 26.7 | 10.7     | 14.7 | 5.4     | 7.6  | 28.3    | 40.1 | 6.6      | 11.4 | 27.3    | 20.6 | 3.4    | 4.2  | 62.3   | 62.8 | 74.8     | 85.6 |
| East South Central  | 556.3 | 523.6 | 25.5    | 31.4 | 12.4    | 17.7 | 5.8       | 7.8  | 11.0  | 9.2  | 33.2  | 36.1 | 2.9      | 6.9  | 1.6     | 3.5  | 29.0    | 41.5 | 4.9      | 9.9  | 25.5    | 23.2 | 4.1    | 4.8  | 65.0   | 62.0 | 80.5     | 86.2 |
| Middle Atlantic     | 488.0 | 347.9 | 26.6    | 34.4 | 16.6    | 19.3 | 11.8      | 12.5 | 9.0   | 5.5  | 25.8  | 24.2 | 21.8     | 25.1 | 18.9    | 25.3 | 25.8    | 35.6 | 4.7      | 8.4  | 24.9    | 17.1 | 3.6    | 3.9  | 52.2   | 58.9 | 76.1     | 83.5 |
| Mountain            | 432.6 | 378.9 | 26.3    | 30.2 | 10.1    | 15.3 | 4.2       | 6.7  | 9.1   | 6.8  | 5.6   | 7.2  | 23.0     | 28.8 | 4.1     | 6.4  | 23.9    | 35.0 | 7.2      | 10.0 | 24.5    | 19.1 | 2.3    | 2.5  | 63.9   | 61.2 | 75.3     | 83.3 |
| New England         | 419.7 | 346.9 | 28.9    | 36.0 | 11.9    | 15.8 | 8.0       | 10.1 | 12.9  | 8.9  | 14.1  | 15.2 | 13.4     | 20.1 | 11.0    | 15.7 | 23.9    | 36.3 | 6.0      | 10.5 | 24.3    | 18.0 | 5.2    | 6.7  | 69.5   | 69.7 | 81.3     | 88.9 |
| Pacific             | 368.6 | 291.2 | 31.2    | 35.6 | 12.0    | 14.2 | 5.9       | 7.7  | 14.5  | 10.5 | 7.6   | 6.9  | 30.8     | 35.1 | 9.5     | 13.0 | 23.9    | 32.0 | 7.4      | 10.3 | 19.7    | 12.8 | 2.8    | 3.1  | 57.7   | 58.5 | 74.1     | 83.1 |
| South Atlantic      | 516.0 | 382.3 | 29.8    | 32.7 | 11.2    | 16.1 | 5.1       | 7.3  | 8.2   | 5.8  | 27.2  | 25.2 | 8.7      | 26.1 | 4.5     | 12.8 | 26.2    | 37.5 | 6.7      | 10.0 | 24.5    | 17.5 | 1.8    | 3.5  | 62.4   | 63.6 | 78.6     | 86.6 |
| West North Central  | 378.3 | 350.3 | 33.8    | 40.2 | 8.2     | 13.6 | 5.4       | 7.4  | 13.1  | 11.0 | 13.4  | 16.3 | 4.7      | 7.5  | 3.3     | 6.8  | 25.4    | 35.6 | 5.3      | 13.4 | 23.8    | 20.2 | 3.3    | 4.0  | 75.7   | 59.6 | 84.2     | 88.2 |
| West South Central  | 450.3 | 378.6 | 29.2    | 31.1 | 12.7    | 15.5 | 4.3       | 5.8  | 11.3  | 9.1  | 17.3  | 17.3 | 29.1     | 37.0 | 3.4     | 6.1  | 27.8    | 40.1 | 5.0      | 10.2 | 23.3    | 17.3 | 2.7    | 3.0  | 58.4   | 59.3 | 76.2     | 84.8 |
| <b>Fringe metro</b> |       |       |         |      |         |      |           |      |       |      |       |      |          |      |         |      |         |      |          |      |         |      |        |      |        |      |          |      |
| Appalachia          | 412.9 | 403.5 | 21.8    | 28.0 | 8.5     | 12.4 | 5.4       | 6.9  | 15.7  | 11.6 | 7.0   | 12.6 | 3.5      | 8.2  | 1.8     | 4.6  | 28.1    | 38.9 | 5.2      | 8.6  | 26.9    | 20.6 | 1.0    | 1.1  | 65.0   | 59.5 | 80.8     | 86.5 |
| East North Central  | 358.3 | 335.1 | 27.1    | 32.5 | 5.9     | 9.5  | 3.6       | 5.0  | 20.7  | 16.4 | 5.6   | 7.5  | 5.4      | 8.8  | 3.2     | 4.6  | 26.1    | 38.9 | 6.6      | 11.8 | 25.7    | 19.6 | 1.8    | 1.9  | 67.7   | 65.2 | 80.0     | 87.0 |
| East South Central  | 447.4 | 432.6 | 19.8    | 27.3 | 8.5     | 10.9 | 5.1       | 6.2  | 17.2  | 12.6 | 7.7   | 9.8  | 1.8      | 4.4  | 0.7     | 1.5  | 27.8    | 41.1 | 3.9      | 10.2 | 28.2    | 23.1 | 1.1    | 1.3  | 62.9   | 65.2 | 82.1     | 88.0 |
| Middle Atlantic     | 357.2 | 296.2 | 31.6    | 37.9 | 6.2     | 8.6  | 4.2       | 5.4  | 11.5  | 8.4  | 8.7   | 9.6  | 8.8      | 14.4 | 7.1     | 10.1 | 23.4    | 35.0 | 5.2      | 9.2  | 23.3    | 15.9 | 3.2    | 3.3  | 60.4   | 63.3 | 78.5     | 86.8 |
| Mountain            | 319.5 | 294.0 | 35.6    | 37.5 | 6.7     | 9.4  | 3.6       | 6.3  | 8.1   | 7.2  | 5.1   | 6.6  | 13.2     | 18.3 | 3.4     | 6.0  | 21.5    | 32.2 | 5.9      | 11.6 | 20.5    | 17.4 | 1.4    | 1.2  | 65.8   | 64.5 | 83.8     | 82.5 |
| New England         | 336.4 | 303.9 | 35.1    | 42.4 | 6.4     | 8.9  | 4.2       | 5.3  | 13.5  | 10.0 | 3.2   | 5.0  | 4.3      | 7.7  | 6.8     | 10.1 | 22.2    | 35.2 | 6.6      | 11.7 | 22.2    | 17.5 | 2.9    | 3.2  | 68.9   | 75.3 | 82.8     | 91.3 |
| Pacific             | 363.9 | 311.4 | 27.9    | 31.3 | 9.0     | 12.3 | 5.4       | 7.2  | 12.5  | 10.4 | 5.4   | 5.7  | 18.5     | 25.5 | 5.2     | 7.5  | 25.5    | 36.2 | 7.6      | 10.5 | 21.7    | 15.5 | 2.1    | 2.3  | 65.0   | 59.4 | 78.5     | 82.6 |
| South Atlantic      | 412.6 | 366.2 | 27.8    | 32.9 | 8.1     | 11.6 | 3.8       | 6.1  | 9.8   | 6.8  | 22.4  | 25.6 | 7.2      | 13.4 | 5.9     | 10.3 | 26.2    | 38.1 | 5.5      | 9.0  | 23.8    | 18.1 | 2.1    | 2.1  | 63.3   | 64.8 | 80.6     | 86.6 |
| West North Central  | 335.7 | 304.7 | 27.1    | 33.3 | 5.2     | 8.0  | 4.1       | 5.4  | 15.6  | 12.8 | 3.6   | 5.4  | 3.2      | 5.9  | 1.4     | 2.9  | 26.5    | 39.3 | 5.1      | 12.0 | 24.8    | 20.2 | 1.3    | 1.4  | 75.4   | 62.3 | 84.0     | 88.2 |
| West South Central  | 414.1 | 358.7 | 24.9    | 30.6 | 10.0    | 10.6 | 4.2       | 5.4  | 12.7  | 9.7  | 9.9   | 10.7 | 15.1     | 22.0 | 1.8     | 3.9  | 27.8    | 40.1 | 5.1      | 10.6 | 24.6    | 17.8 | 1.3    | 1.5  | 61.8   | 59.9 | 77.7     | 84.8 |
| <b>Small metro</b>  |       |       |         |      |         |      |           |      |       |      |       |      |          |      |         |      |         |      |          |      |         |      |        |      |        |      |          |      |
| Appalachia          | 470.9 | 495.6 | 18.9    | 23.9 | 11.7    | 16.3 | 7.5       | 9.0  | 19.7  | 14.1 | 8.8   | 10.0 | 2.3      | 5.3  | 1.1     | 1.9  | 28.6    | 40.6 | 4.5      | 8.4  | 28.3    | 23.7 | 1.8    | 1.9  | 65.7   | 64.3 | 81.7     | 86.8 |
| East North Central  | 408.4 | 421.4 | 22.1    | 26.6 | 9.3     | 14.7 | 5.7       | 7.9  | 20.9  | 17.1 | 9.1   | 10.1 | 2.9      | 5.1  | 1.4     | 1.9  | 28.0    | 41.6 | 6.6      | 11.8 | 26.7    | 21.8 | 2.0    | 2.2  | 70.7   | 65.3 | 83.7     | 87.5 |
| East South Central  | 526.5 | 519.6 | 21.1    | 25.6 | 14.0    | 18.5 | 7.1       | 9.7  | 14.6  | 11.8 | 25.6  | 27.3 | 2.0      | 4.2  | 1.0     | 1.5  | 29.9    | 42.5 | 5.2      | 9.9  | 27.7    | 23.4 | 2.0    | 2.1  | 66.4   | 60.3 | 76.4     | 85.1 |
| Middle Atlantic     | 388.3 | 362.1 | 22.6    | 27.4 | 8.6     | 12.0 | 6.3       | 8.0  | 15.1  | 11.4 | 7.0   | 8.2  | 5.4      | 10.2 | 2.8     | 4.3  | 27.6    | 40.2 | 5.5      | 9.1  | 26.0    | 19.7 | 2.2    | 2.3  | 68.6   | 65.8 | 82.8     | 88.3 |
| Mountain            | 385.8 | 395.7 | 27.6    | 31.2 | 11.7    | 15.0 | 6.0       | 8.7  | 9.7   | 7.5  | 2.1   | 2.4  | 20.0     | 24.1 | 2.5     | 3.3  | 23.5    | 35.2 | 6.0      | 9.7  | 22.9    | 18.4 | 1.9    | 2.1  | 65.6   | 61.2 | 76.4     | 82.5 |
| New England         | 362.8 | 331.3 | 29.6    | 35.8 | 8.0     | 11.7 | 5.6       | 7.5  | 15.4  | 10.6 | 5.5   | 6.8  | 7.1      | 11.7 | 5.5     | 8.1  | 23.5    | 35.5 | 6.6      | 11.2 | 24.2    | 17.8 | 3.1    | 3.4  | 71.6   | 69.4 | 83.5     | 88.4 |
| Pacific             | 395.0 | 373.9 | 22.9    | 24.6 | 13.7    | 17.4 | 8.0       | 10.7 | 10.7  | 8.6  | 3.4   | 3.6  | 25.9     | 34.7 | 3.5     | 4.8  | 27.6    | 39.2 | 7.3      | 10.1 | 22.8    | 17.1 | 1.8    | 1.8  | 64.5   | 60.3 | 78.7     | 83.6 |
| South Atlantic      | 481.7 | 461.6 | 21.8    | 26.5 | 12.0    | 16.5 | 6.1       | 8.5  | 12.6  | 8.7  | 21.6  | 21.7 | 4.6      | 9.1  | 2.4     | 3.9  | 28.1    | 40.4 | 6.4      | 10.2 | 27.2    | 21.7 | 1.9    | 2.0  | 69.9   | 67.4 | 80.1     | 86.8 |
| West North Central  | 376.2 | 367.1 | 26.0    | 31.4 | 8.5     | 13.1 | 5.3       | 6.7  | 13.9  | 11.5 | 4.4   | 5.8  | 3.7      | 6.7  | 1.4     | 2.5  | 26.4    | 39.9 | 5.1      | 12.4 | 25.2    | 20.3 | 1.9    | 2.1  | 71.0   | 67.1 | 83.3     | 89.3 |
| West South Central  | 479.7 | 486.4 | 19.1    | 22.2 | 17.1    | 19.1 | 8.1       | 10.5 | 11.9  | 8.9  | 14.8  | 14.9 | 22.8     | 29.2 | 1.8     | 2.8  | 29.9    | 43.0 | 4.5      | 10.3 | 25.7    | 22.0 | 1.6    | 1.7  | 62.1   | 58.5 | 76.3     | 83.7 |
| <b>Nonmetro</b>     |       |       |         |      |         |      |           |      |       |      |       |      |          |      |         |      |         |      |          |      |         |      |        |      |        |      |          |      |
| Appalachia          | 498.6 | 556.5 | 12.3    | 15.9 | 14.9    | 19.3 | 10.4      | 12.5 | 22.7  | 16.3 | 5.4   | 5.9  | 1.4      | 3.1  | 0.6     | 0.7  | 30.6    | 43.6 | 4.0      | 8.2  | 30.4    | 26.5 | 0.9    | 0.8  | 64.5   | 60.3 | 80.9     | 86.1 |
| East North Central  | 404.2 | 421.1 | 14.0    | 17.8 | 9.3     | 13.4 | 6.6       | 9.0  | 25.0  | 20.5 | 1.7   | 2.4  | 2.1      | 3.8  | 0.7     | 0.9  | 28.5    | 42.3 | 7.0      | 12.6 | 28.5    | 24.2 | 0.9    | 0.8  | 72.4   | 63.4 | 83.8     | 87.1 |
| East South Central  | 581.0 | 628.7 | 12.4    | 15.6 | 17.6    | 22.2 | 10.2      | 13.1 | 23.2  | 16.8 | 26.2  | 26.1 | 1.2      | 2.8  | 0.4     | 0.5  | 33.2    | 46.0 | 3.7      | 7.7  | 29.7    | 26.7 | 0.8    | 0.8  | 62.3   | 58.2 | 75.2     | 85.0 |
| Middle Atlantic     | 394.1 | 377.5 | 16.1    | 20.6 | 11.8    | 15.5 | 8.9       | 10.7 | 14.4  | 10.7 | 4.2   | 4.8  | 3.5      | 5.3  | 2.7     | 3.4  | 27.7    | 41.3 | 6.2      | 11.6 | 28.0    | 21.4 | 1.2    | 1.1  | 73.5   | 64.8 | 85.1     | 86.1 |
| Mountain            | 405.8 | 435.4 | 22.5    | 25.8 | 14.8    | 16.2 | 8.0       | 10.1 | 6.3   | 5.1  | 0.8   | 1.3  | 16.0     | 19.3 | 1.6     | 2.3  | 25.8    | 36.9 | 6.1      | 12.1 | 24.7    | 21.0 | 1.1    | 1.0  | 66.4   | 55.1 | 69.7     | 77.8 |
| New England         | 358.3 | 364.3 | 24.8    | 30.1 | 8.9     | 11.6 | 6.7       | 8.8  | 14.9  | 10.6 | 0.6   | 1.2  | 1.0      | 2.2  | 2.6     | 3.2  | 24.0    | 36.5 | 7.0      | 13.6 | 25.2    | 19.6 | 2.1    | 2.2  | 74.7   | 68.5 | 86.4     | 89.4 |
| Pacific             | 419.0 | 442.5 | 18.7    | 22.4 | 13.8    | 17.2 | 9.1       | 11.9 | 9.7   | 8.0  | 1.1   | 1.6  | 9.7      | 14.9 | 2.0     | 2.4  | 27.6    | 39.3 | 8.0      | 12.1 | 25.6    | 22.2 | 1.3    | 1.2  | 72.8   | 59.5 | 82.1     | 84.7 |
| South Atlantic      | 577.5 | 564.0 | 12.9    | 15.8 | 16.8    | 22.3 | 9.9       | 12.4 | 20.3  | 13.5 | 31.3  | 29.8 | 4.1      | 7.4  | 0.8     | 1.3  | 33.6    | 45.7 | 4.7      | 7.8  | 28.7    | 25.2 | 0.9    | 0.8  | 67.9   | 63.5 | 80.3     | 85.9 |
| West North Central  | 391.4 | 411.8 | 16.2    | 20.0 | 10.9    | 13.6 | 7.5       | 8.7  | 17.2  | 14.6 | 1.5   | 2.4  | 3.2      | 6.1  | 0.7     | 1.2  | 28.6    | 41.4 | 5.1      | 12.4 | 26.9    | 23.6 | 0.7    | 0.7  | 74.4   | 62.7 | 83.5     | 86.9 |
| West South Central  | 531.8 | 577.4 | 14.0    | 16.4 | 18.5    | 19.6 | 9.2       | 12.0 | 14.7  | 11.0 | 11.3  | 10.7 | 14.3     | 19.3 | 0.7     | 1.4  | 31.4    | 44.4 | 4.2      | 9.0  | 28.2    | 25.1 | 0.7    | 0.6  | 64.2   | 53.1 | 73.7     | 81.5 |