

Table S1. Counties identified in the top 5% of vulnerability ranks by state and rank

| FIPS              | County      | Rank | FIPS                    | County       | Rank | FIPS                    | County    | Rank | FIPS                     | County     | Rank |
|-------------------|-------------|------|-------------------------|--------------|------|-------------------------|-----------|------|--------------------------|------------|------|
| <b>Alabama</b>    |             |      | <b>Kentucky (cont.)</b> |              |      | <b>Missouri (cont.)</b> |           |      | <b>Tennessee (cont.)</b> |            |      |
| 01127             | Walker      | 37   | 21133                   | Letcher      | 50   | 29153                   | Ozark     | 185  | 47063                    | Hamblen    | 138  |
| 01093             | Marion      | 100  | 21115                   | Johnson      | 53   | 29229                   | Wright    | 194  | 47007                    | Bledsoe    | 139  |
| 01133             | Winston     | 109  | 21207                   | Russell      | 54   | <b>Montana</b>          |           |      | 47159                    | Smith      | 140  |
| 01059             | Franklin    | 206  | 21063                   | Elliott      | 56   | 30061                   | Mineral   | 161  | 47109                    | McNairy    | 141  |
| <b>Arizona</b>    |             |      | 21125                   | Laurel       | 65   | 30103                   | Treasure  | 211  | 47139                    | Polk       | 142  |
| 04015             | Mohave      | 208  | 21041                   | Carroll      | 67   | <b>Nevada</b>           |           |      | 47089                    | Jefferson  | 149  |
| <b>Arkansas</b>   |             |      | 21217                   | Taylor       | 75   | 32029                   | Storey    | 52   | 47163                    | Sullivan   | 151  |
| 05135             | Sharp       | 157  | 21081                   | Grant        | 77   | 32009                   | Esmeralda | 118  | 47181                    | Wayne      | 160  |
| 05075             | Lawrence    | 201  | 21001                   | Adair        | 93   | <b>North Carolina</b>   |           |      | 47101                    | Lewis      | 168  |
| <b>California</b> |             |      | 21137                   | Lincoln      | 97   | 37043                   | Clay      | 63   | 47091                    | Johnson    | 169  |
| 06063             | Plumas      | 152  | 21231                   | Wayne        | 99   | 37193                   | Wilkes    | 104  | 47099                    | Lawrence   | 172  |
| 06033             | Lake        | 199  | 21057                   | Cumberland   | 101  | 37075                   | Graham    | 124  | 47179                    | Washington | 198  |
| <b>Colorado</b>   |             |      | 21077                   | Gallatin     | 108  | 37023                   | Burke     | 176  | 47177                    | Warren     | 203  |
| 08025             | Crowley     | 220  | 21011                   | Bath         | 125  | 37039                   | Cherokee  | 189  | 47095                    | Lake       | 216  |
| <b>Georgia</b>    |             |      | 21085                   | Grayson      | 126  | <b>Ohio</b>             |           |      | <b>Texas</b>             |            |      |
| 13111             | Fannin      | 82   | 21089                   | Greenup      | 129  | 39001                   | Adams     | 51   | 48155                    | Foard      | 204  |
| 13281             | Towns       | 120  | 21087                   | Green        | 132  | 39131                   | Pike      | 72   | <b>Utah</b>              |            |      |
| 13213             | Murray      | 159  | 21045                   | Casey        | 153  | 39079                   | Jackson   | 111  | 49007                    | Carbon     | 84   |
| 13143             | Haralson    | 200  | 21043                   | Carter       | 154  | 39105                   | Meigs     | 123  | 49001                    | Beaver     | 114  |
| <b>Illinois</b>   |             |      | 21171                   | Monroe       | 163  | 39015                   | Brown     | 127  | 49015                    | Emery      | 186  |
| 17069             | Hardin      | 68   | 21079                   | Garrard      | 167  | 39145                   | Scioto    | 136  | <b>Vermont</b>           |            |      |
| <b>Indiana</b>    |             |      | 21201                   | Robertson    | 175  | 39163                   | Vinton    | 146  | 50009                    | Essex      | 143  |
| 18143             | Scott       | 32   | 21135                   | Lewis        | 178  | 39053                   | Gallia    | 155  | 50025                    | Windham    | 219  |
| 18175             | Washington  | 57   | 21061                   | Edmonson     | 179  | 39009                   | Athens    | 173  | <b>Virginia</b>          |            |      |
| 18149             | Starke      | 70   | 21003                   | Allen        | 180  | 39027                   | Clinton   | 190  | 51027                    | Buchanan   | 28   |
| 18041             | Fayette     | 81   | 21019                   | Boyd         | 187  | 39071                   | Highland  | 196  | 51051                    | Dickenson  | 29   |
| 18155             | Switzerland | 94   | 21105                   | Hickman      | 191  | <b>Oklahoma</b>         |           |      | 51167                    | Russell    | 61   |
| 18025             | Crawford    | 112  | 21027                   | Breckinridge | 202  | 40067                   | Jefferson | 89   | 51105                    | Lee        | 73   |
| 18065             | Henry       | 128  | 21037                   | Campbell     | 212  | 40025                   | Cimarron  | 217  | 51195                    | Wise       | 78   |
| 18079             | Jennings    | 158  | 21167                   | Mercer       | 214  | <b>Pennsylvania</b>     |           |      | 51185                    | Tazewell   | 96   |
| 18137             | Ripley      | 195  | <b>Maine</b>            |              |      | 42079                   | Luzerne   | 38   | 51141                    | Patrick    | 166  |
| 18029             | Dearborn    | 213  | 23027                   | Waldo        | 135  | 42021                   | Cambria   | 131  | 51197                    | Wythe      | 210  |
| <b>Kansas</b>     |             |      | 23025                   | Somerset     | 145  | 42039                   | Crawford  | 188  | <b>West Virginia</b>     |            |      |
| 20207             | Woodson     | 144  | 23029                   | Washington   | 170  | <b>Tennessee</b>        |           |      | 54047                    | McDowell   | 2    |
| 20001             | Allen       | 171  | 23011                   | Kennebec     | 193  | 47067                   | Hancock   | 13   | 54059                    | Mingo      | 7    |
| 20205             | Wilson      | 181  | <b>Michigan</b>         |              |      | 47087                   | Jackson   | 19   | 54109                    | Wyoming    | 16   |
| 20153             | Rawlins     | 218  | 26129                   | Ogemaw       | 86   | 47005                   | Benton    | 24   | 54081                    | Raleigh    | 18   |
| <b>Kentucky</b>   |             |      | 26035                   | Clare        | 87   | 47151                   | Scott     | 26   | 54045                    | Logan      | 20   |
| 21237             | Wolfe       | 1    | 26135                   | Oscoda       | 88   | 47135                   | Perry     | 33   | 54005                    | Boone      | 22   |
| 21025             | Breathitt   | 3    | 26119                   | Montmorency  | 91   | 47071                   | Hardin    | 36   | 54019                    | Fayette    | 27   |
| 21193             | Perry       | 4    | 26085                   | Lake         | 137  | 47029                   | Cocke     | 41   | 54065                    | Morgan     | 44   |
| 21051             | Clay        | 5    | 26141                   | Presque Isle | 174  | 47015                   | Cannon    | 42   | 54063                    | Monroe     | 47   |
| 21013             | Bell        | 6    | 26001                   | Alcona       | 184  | 47137                   | Pickett   | 43   | 54029                    | Hancock    | 49   |
| 21131             | Leslie      | 8    | 26143                   | Roscommon    | 192  | 47013                   | Campbell  | 46   | 54015                    | Clay       | 60   |
| 21121             | Knox        | 9    | 26039                   | Crawford     | 197  | 47019                   | Carter    | 59   | 54099                    | Wayne      | 62   |
| 21071             | Floyd       | 10   | 26079                   | Kalkaska     | 207  | 47027                   | Clay      | 64   | 54009                    | Brooke     | 76   |
| 21053             | Clinton     | 11   | 26031                   | Cheboygan    | 215  | 47057                   | Grainger  | 66   | 54053                    | Mason      | 85   |
| 21189             | Owsley      | 12   | <b>Mississippi</b>      |              |      | 47073                   | Hawkins   | 71   | 54013                    | Calhoun    | 90   |
| 21235             | Whitley     | 14   | 28141                   | Tishomingo   | 164  | 47173                   | Union     | 74   | 54067                    | Nicholas   | 98   |
| 21197             | Powell      | 15   | <b>Missouri</b>         |              |      | 47059                   | Greene    | 79   | 54089                    | Summers    | 110  |
| 21119             | Knott       | 17   | 29179                   | Reynolds     | 55   | 47025                   | Claiborne | 80   | 54101                    | Webster    | 113  |
| 21195             | Pike        | 21   | 29123                   | Madison      | 58   | 47085                   | Humphreys | 83   | 54043                    | Lincoln    | 121  |
| 21153             | Magoffin    | 23   | 29187                   | St. Francois | 69   | 47145                   | Roane     | 92   | 54011                    | Cabell     | 122  |
| 21065             | Estill      | 25   | 29039                   | Cedar        | 107  | 47133                   | Overton   | 95   | 54091                    | Taylor     | 133  |
| 21129             | Lee         | 30   | 29093                   | Iron         | 117  | 47041                   | DeKalb    | 102  | 54055                    | Mercer     | 147  |
| 21165             | Menifee     | 31   | 29223                   | Wayne        | 119  | 47143                   | Rhea      | 103  | 54007                    | Braxton    | 150  |
| 21159             | Martin      | 34   | 29221                   | Washington   | 130  | 47121                   | Meigs     | 105  | 54095                    | Tyler      | 162  |
| 21021             | Boyle       | 35   | 29055                   | Crawford     | 148  | 47129                   | Morgan    | 106  | 54087                    | Roane      | 165  |
| 21127             | Lawrence    | 39   | 29085                   | Hickory      | 156  | 47049                   | Fentress  | 115  | 54051                    | Marshall   | 182  |
| 21203             | Rockcastle  | 40   | 29013                   | Bates        | 177  | 47111                   | Macon     | 116  | 54003                    | Berkeley   | 205  |
| 21095             | Harlan      | 45   | 29181                   | Ripley       | 183  | 47185                   | White     | 134  | 54039                    | Kanawha    | 209  |
| 21147             | McCreary    | 48   |                         |              |      |                         |           |      |                          |            |      |