

| | | Significance Level | | |
|--|----|---------------------------|------------|------------|
| | | .10 | .05 | .01 |
| D e g r e e s o f F r e e d o m | 1 | 2.71 | 3.84 | 6.63 |
| | 2 | 4.61 | 5.99 | 9.21 |
| | 3 | 6.25 | 7.81 | 11.34 |
| | 4 | 7.78 | 9.49 | 13.28 |
| | 5 | 9.24 | 11.07 | 15.09 |
| | 6 | 10.64 | 12.59 | 16.81 |
| | 7 | 12.02 | 14.07 | 18.48 |
| | 8 | 13.36 | 15.51 | 20.09 |
| | 9 | 14.68 | 16.92 | 21.67 |
| | 10 | 15.99 | 18.31 | 23.21 |
| | 11 | 17.28 | 19.68 | 24.72 |
| | 12 | 18.55 | 21.03 | 26.22 |
| | 13 | 19.81 | 22.36 | 27.69 |
| | 14 | 21.06 | 23.68 | 29.14 |
| | 15 | 22.31 | 25.00 | 30.58 |
| | 16 | 23.54 | 26.30 | 32.00 |
| | 17 | 24.77 | 27.59 | 33.41 |
| | 18 | 25.99 | 28.87 | 34.81 |
| | 19 | 27.20 | 30.14 | 36.19 |
| | 20 | 28.41 | 31.41 | 37.57 |
| | 21 | 29.62 | 32.67 | 38.93 |
| | 22 | 30.81 | 33.92 | 40.29 |
| | 23 | 32.01 | 35.17 | 41.64 |
| | 24 | 33.20 | 36.42 | 42.98 |
| | 25 | 34.38 | 37.65 | 44.31 |
| | 26 | 35.56 | 38.89 | 45.64 |
| | 27 | 36.74 | 40.11 | 46.96 |
| | 28 | 37.92 | 41.34 | 48.28 |
| | 29 | 39.09 | 42.56 | 49.59 |
| | 30 | 40.26 | 43.77 | 50.89 |

© Cengage Learning, 2013

Example: The 5% critical value with $df = 8$ is 15.51.

Source: This table was generated using the Stata[®] function `invchi2tail`.