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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Summary of PM concentrations from 2010-2019 by Quarter |  |  |  |  |  |  |  |  |
| **County** | **Q1** | **Q2** | **Q3** | **Q4** |
| Mean | SD | IQR | Mean | SD | IQR | Mean | SD | IQR | Mean | SD | IQR |
| King | 6.4 | 5.8 | 5.5 | 5.2 | 3.2 | 3.7 | 8.2 | 10.1 | 5.0 | 8.0 | 6.9 | 6.8 |
| Pierce | 7.6 | 8.4 | 7.5 | 4.6 | 3.2 | 3.5 | 7.6 | 11.1 | 4.5 | 9.0 | 8.6 | 8.9 |
| Snohomish | 7.5 | 9.7 | 6.8 | 4.1 | 3.4 | 3.6 | 6.4 | 11.4 | 4.2 | 8.6 | 10.7 | 8.3 |
| Clark | 7.4 | 9.1 | 7.0 | 4.1 | 2.9 | 3.3 | 6.0 | 7.9 | 4.1 | 9.2 | 10.3 | 8.7 |
| Yakima | 8.8 | 9.9 | 9.2 | 4.1 | 3.2 | 3.5 | 11.1 | 18.7 | 7.2 | 11.4 | 10.0 | 12.0 |
| Chelan | 7.8 | 6.9 | 7.2 | 3.0 | 2.3 | 2.5 | 11.9 | 30.0 | 5.6 | 10.2 | 9.0 | 9.0 |
| Kitsap | 5.7 | 7.2 | 4.8 | 3.5 | 2.3 | 2.8 | 5.6 | 8.7 | 3.2 | 6.0 | 5.8 | 5.2 |
| Whatcom | 5.9 | 5.4 | 5.9 | 4.3 | 3.3 | 4.0 | 6.5 | 8.7 | 4.5 | 6.4 | 5.8 | 6.4 |
| Skagit | 4.6 | 3.7 | 4.2 | 4.6 | 2.9 | 3.4 | 5.9 | 7.3 | 3.6 | 5.0 | 3.9 | 4.8 |
| Spokane | 7.4 | 6.3 | 7.3 | 5.0 | 3.5 | 4.0 | 11.7 | 20.7 | 7.8 | 9.7 | 7.8 | 9.1 |
| Kittitas | 8.5 | 9.1 | 9.6 | 3.0 | 2.4 | 3.0 | 8.8 | 19.4 | 5.0 | 9.7 | 8.6 | 9.9 |
| Okanogan | 9.8 | 7.8 | 8.5 | 4.1 | 4.0 | 2.6 | 13.8 | 32.2 | 6.8 | 10.9 | 8.3 | 8.8 |
| Stevens | 8.3 | 7.2 | 8.1 | 4.0 | 3.1 | 2.5 | 9.0 | 14.5 | 5.5 | 9.7 | 7.5 | 9.0 |
| Adams | 3.9 | 2.7 | 2.8 | 3.4 | 1.9 | 2.1 | 8.6 | 14.3 | 4.6 | 5.4 | 3.8 | 4.6 |
| Asotin | 6.9 | 5.4 | 6.5 | 5.0 | 3.4 | 3.5 | 12.0 | 18.9 | 7.5 | 10.9 | 8.5 | 10.5 |
| Benton | 5.9 | 4.6 | 5.4 | 4.0 | 1.9 | 2.4 | 8.7 | 11.9 | 4.5 | 7.9 | 5.4 | 7.3 |
| Clallam | 4.7 | 5.5 | 3.8 | 3.2 | 2.1 | 2.3 | 4.9 | 10.3 | 2.6 | 5.8 | 6.3 | 5.1 |
| Columbia | 5.1 | 4.2 | 4.7 | 3.3 | 1.7 | 1.9 | 7.2 | 10.2 | 4.1 | 6.4 | 4.9 | 6.0 |
| Cowlitz | 6.7 | 5.2 | 5.9 | 3.4 | 2.0 | 2.1 | 4.6 | 6.1 | 2.4 | 8.0 | 6.0 | 6.2 |
| Franklin | 5.0 | 3.7 | 4.0 | 3.8 | 1.8 | 2.2 | 8.6 | 11.9 | 4.7 | 6.7 | 4.6 | 5.9 |
| Grant | 5.4 | 3.8 | 4.3 | 3.9 | 2.2 | 2.6 | 10.0 | 15.6 | 5.9 | 7.3 | 4.9 | 6.2 |
| Grays Harbor | 4.7 | 4.0 | 3.6 | 3.4 | 2.1 | 2.1 | 4.6 | 5.9 | 2.6 | 6.1 | 5.2 | 4.9 |
| Jefferson | 5.5 | 4.4 | 3.1 | 4.3 | 1.5 | 1.7 | 5.7 | 7.3 | 2.0 | 6.5 | 4.7 | 4.0 |
| Lewis | 6.3 | 4.5 | 5.3 | 4.1 | 2.1 | 2.6 | 6.1 | 7.4 | 2.9 | 8.1 | 5.4 | 6.3 |
| Mason | 7.2 | 6.3 | 6.6 | 4.4 | 2.8 | 2.9 | 6.0 | 7.3 | 3.3 | 8.3 | 6.9 | 7.3 |
| Thurston | 7.0 | 8.7 | 6.4 | 3.6 | 2.5 | 2.6 | 5.8 | 9.0 | 3.2 | 8.7 | 9.5 | 8.0 |
| Walla Walla | 5.8 | 5.3 | 6.5 | 3.4 | 2.0 | 2.3 | 8.3 | 13.9 | 4.6 | 7.8 | 6.7 | 8.4 |
| Whitman | 3.5 | 2.6 | 2.7 | 3.6 | 2.1 | 2.1 | 8.2 | 12.2 | 5.0 | 5.3 | 4.0 | 4.8 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Summary of heat index values (F) from 2010-2019 by Quarter |  |  |  |  |  |  |  |
| **County** | **Q1** | **Q2** | **Q3** | **Q4** |
| Mean | SD | IQR | Mean | SD | IQR | Mean | SD | IQR | Mean | SD | IQR |
| King | 40.9 | 8.5 | 11.4 | 54.0 | 9.7 | 12.5 | 63.0 | 10.1 | 13.6 | 43.2 | 10.1 | 13.7 |
| Pierce | 40.4 | 8.7 | 11.4 | 54.1 | 9.8 | 12.5 | 62.0 | 10.0 | 13.4 | 42.7 | 10.3 | 13.6 |
| Snohomish | 40.7 | 8.7 | 11.2 | 54.9 | 10.2 | 12.4 | 65.0 | 10.2 | 13.6 | 44.3 | 10.9 | 15.0 |
| Clark | 35.4 | 11.5 | 14.9 | 58.8 | 13.0 | 18.1 | 69.6 | 12.8 | 19.3 | 37.9 | 13.8 | 19.8 |
| Yakima | 33.3 | 10.6 | 12.4 | 57.7 | 12.8 | 17.9 | 69.0 | 12.3 | 18.1 | 36.7 | 12.9 | 17.8 |
| Chelan | 40.6 | 8.8 | 11.3 | 54.0 | 10.3 | 12.9 | 62.6 | 10.5 | 13.9 | 42.9 | 10.4 | 13.4 |
| Kitsap | 38.9 | 8.5 | 11.3 | 53.6 | 9.9 | 12.6 | 61.6 | 10.5 | 14.3 | 41.7 | 10.5 | 14.7 |
| Whatcom | 41.2 | 8.1 | 10.3 | 53.8 | 8.5 | 11.0 | 61.1 | 8.7 | 12.0 | 44.0 | 9.5 | 13.2 |
| Skagit | 32.1 | 10.1 | 11.9 | 53.4 | 12.2 | 17.1 | 67.1 | 11.2 | 17.2 | 35.4 | 12.4 | 17.0 |
| Spokane | 30.6 | 12.2 | 14.4 | 53.1 | 13.2 | 17.4 | 63.9 | 12.8 | 18.3 | 34.0 | 14.0 | 18.5 |
| Kittitas | 31.2 | 11.2 | 12.6 | 57.1 | 13.0 | 18.2 | 68.7 | 12.6 | 19.5 | 35.6 | 13.2 | 18.7 |
| Okanogan | 29.3 | 10.7 | 11.2 | 51.6 | 13.3 | 18.2 | 64.8 | 12.8 | 20.1 | 32.9 | 12.8 | 17.0 |
| Stevens | 32.7 | 10.9 | 13.4 | 53.8 | 13.8 | 18.9 | 65.5 | 13.9 | 22.5 | 35.3 | 13.7 | 18.2 |
| Adams | 32.2 | 10.1 | 12.3 | 50.5 | 12.7 | 17.3 | 64.5 | 12.1 | 18.7 | 35.2 | 12.8 | 16.8 |
| Asotin | 38.0 | 11.4 | 15.2 | 60.3 | 12.5 | 17.8 | 72.8 | 11.3 | 16.8 | 40.6 | 13.3 | 19.7 |
| Benton | 39.7 | 7.6 | 10.1 | 51.6 | 8.3 | 10.0 | 59.4 | 8.3 | 10.6 | 42.4 | 9.2 | 12.7 |
| Clallam | 36.0 | 10.8 | 13.2 | 55.0 | 12.1 | 16.8 | 69.3 | 11.1 | 17.0 | 39.6 | 13.2 | 18.5 |
| Columbia | 40.8 | 8.9 | 11.5 | 55.1 | 10.5 | 12.6 | 64.9 | 10.2 | 13.5 | 44.3 | 10.7 | 14.5 |
| Cowlitz | 36.4 | 11.0 | 14.9 | 57.9 | 13.7 | 19.0 | 69.0 | 13.2 | 20.7 | 39.5 | 13.9 | 20.1 |
| Franklin | 34.0 | 11.1 | 13.5 | 57.3 | 12.7 | 17.7 | 68.0 | 12.7 | 19.5 | 37.0 | 13.4 | 18.8 |
| Grant | 41.4 | 7.9 | 10.4 | 52.2 | 9.3 | 11.2 | 60.3 | 8.6 | 10.2 | 44.5 | 9.7 | 13.1 |
| Grays Harbor | 40.9 | 7.2 | 8.7 | 51.4 | 7.0 | 8.5 | 58.4 | 7.1 | 9.1 | 43.6 | 8.9 | 11.6 |
| Jefferson | 41.5 | 7.9 | 10.5 | 52.2 | 9.2 | 11.0 | 60.5 | 8.7 | 10.4 | 44.2 | 9.7 | 13.5 |
| Lewis | 41.5 | 7.9 | 10.5 | 52.4 | 9.3 | 11.2 | 60.5 | 8.7 | 10.3 | 44.3 | 9.7 | 13.4 |
| Mason | 41.1 | 8.6 | 11.6 | 53.9 | 9.7 | 12.3 | 63.3 | 10.1 | 13.8 | 43.5 | 10.3 | 13.9 |
| Thurston | 38.5 | 11.4 | 16.2 | 57.5 | 12.7 | 17.2 | 68.9 | 14.0 | 22.1 | 40.7 | 14.1 | 20.9 |
| Walla Walla | 32.3 | 10.3 | 11.7 | 51.8 | 12.6 | 17.2 | 64.4 | 13.3 | 21.0 | 36.1 | 12.8 | 17.2 |
| Whitman | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |