



# Childhood Lead Poisoning

Lead poisoning is Ohio's largest preventable environmental health threat to children. Very severe lead exposure in children (blood lead levels  $\geq 80$  ug/dL) can cause coma, convulsions and death. Lower levels cause adverse affects on the central nervous system and kidneys. Blood lead levels as low as 10 ug/dL, which do not cause distinctive symptoms, are associated with decreased intelligence and impaired neurobehavioral development. Decreased stature or growth has also been associated with these lower blood levels.

## NOTES:

1. Chart contain s preliminary data and may be updated quarterly.
2. ug/dL = a measurement tool; micrograms per deciliter of blood
3. Levels reflect the highest confirmed test for the current year.
4. Child may have been screened in previous years.

The chart below demonstrates the number of children screened and determined to have elevated blood lead levels during 2007:

| County Name | Total Children Screened (0 - 72 months) | Under 10 ug/dL | 10 - 14 ug/dL | 15 - 19 ug/dL | 20 - 24 ug/dL | 25 ug/dL and over | Total EBLs |
|-------------|---|----------------|---------------|---------------|---------------|-------------------|------------|
| ADAMS       | 448                                     | 443            | 4             | 0             | 1             | 0                 | 5          |
| ALLEN       | 1,436                                   | 1,411          | 18            | 3             | 2             | 2                 | 25         |
| ASHLAND     | 533                                     | 531            | 1             | 1             | 0             | 0                 | 2          |
| ASHTABULA   | 1,783                                   | 1,766          | 5             | 4             | 2             | 6                 | 17         |
| ATHENS      | 950                                     | 945            | 4             | 0             | 0             | 1                 | 5          |
| AUGLAIZE    | 367                                     | 360            | 1             | 1             | 3             | 2                 | 7          |
| BELMONT     | 581                                     | 563            | 10            | 6             | 2             | 0                 | 18         |
| BROWN       | 437                                     | 434            | 0             | 1             | 1             | 1                 | 3          |
| BUTLER      | 4,366                                   | 4,333          | 20            | 10            | 3             | 0                 | 33         |
| CARROLL     | 279                                     | 276            | 2             | 1             | 0             | 0                 | 3          |
| CHAMPAIGN   | 692                                     | 681            | 7             | 3             | 1             | 0                 | 11         |
| CLARK       | 4,186                                   | 4,085          | 72            | 15            | 8             | 6                 | 101        |
| CLERMONT    | 1,334                                   | 1,330          | 2             | 2             | 0             | 0                 | 4          |
| CLINTON     | 435                                     | 432            | 1             | 2             | 0             | 0                 | 3          |
| COLUMBIANA  | 687                                     | 652            | 25            | 5             | 2             | 3                 | 35         |
| COSHOCTON   | 550                                     | 539            | 8             | 1             | 0             | 2                 | 11         |
| CRAWFORD    | 772                                     | 760            | 9             | 1             | 2             | 0                 | 12         |
| CUYAHOGA    | 25,301                                  | 24,115         | 770           | 226           | 103           | 87                | 1,186      |
| DARKE       | 603                                     | 600            | 2             | 0             | 1             | 0                 | 3          |
| DEFIANCE    | 487                                     | 479            | 6             | 0             | 2             | 0                 | 8          |
| DELAWARE    | 813                                     | 813            | 0             | 0             | 0             | 0                 | 0          |
| ERIE        | 561                                     | 546            | 8             | 4             | 1             | 2                 | 15         |

|            |        |        |     |    |    |    |     |
|------------|--------|--------|-----|----|----|----|-----|
| FAIRFIELD  | 1,400  | 1,394  | 5   | 0  | 1  | 0  | 6   |
| FAYETTE    | 413    | 408    | 4   | 0  | 1  | 0  | 5   |
| FRANKLIN   | 16,811 | 16,718 | 58  | 21 | 7  | 7  | 93  |
| FULTON     | 434    | 431    | 1   | 0  | 1  | 1  | 3   |
| GALLIA     | 431    | 426    | 4   | 1  | 0  | 0  | 5   |
| GEAUGA     | 413    | 411    | 0   | 1  | 0  | 1  | 2   |
| GREENE     | 1,412  | 1,403  | 3   | 3  | 2  | 1  | 9   |
| GUERNSEY   | 608    | 604    | 2   | 1  | 0  | 1  | 4   |
| HAMILTON   | 13,866 | 13,612 | 141 | 62 | 25 | 26 | 254 |
| HANCOCK    | 536    | 531    | 2   | 2  | 1  | 0  | 5   |
| HARDIN     | 310    | 310    | 0   | 0  | 0  | 0  | 0   |
| HARRISON   | 161    | 160    | 1   | 0  | 0  | 0  | 1   |
| HENRY      | 336    | 333    | 1   | 1  | 0  | 1  | 3   |
| HIGHLAND   | 681    | 676    | 2   | 3  | 0  | 0  | 5   |
| HOCKING    | 395    | 390    | 4   | 0  | 1  | 0  | 5   |
| HOLMES     | 374    | 374    | 0   | 0  | 0  | 0  | 0   |
| HURON      | 1,337  | 1,327  | 6   | 3  | 0  | 1  | 10  |
| JACKSON    | 566    | 565    | 1   | 0  | 0  | 0  | 1   |
| JEFFERSON  | 737    | 723    | 10  | 2  | 1  | 1  | 14  |
| KNOX       | 645    | 642    | 2   | 1  | 0  | 0  | 3   |
| LAKE       | 1,618  | 1,607  | 6   | 2  | 1  | 2  | 11  |
| LAWRENCE   | 1,039  | 1,036  | 2   | 0  | 0  | 1  | 3   |
| LICKING    | 2,042  | 2,033  | 6   | 3  | 0  | 0  | 9   |
| LOGAN      | 516    | 514    | 2   | 0  | 0  | 0  | 2   |
| LORAIN     | 3,294  | 3,266  | 19  | 4  | 5  | 0  | 28  |
| LUCAS      | 6,833  | 6,581  | 175 | 44 | 15 | 18 | 252 |
| MADISON    | 632    | 631    | 1   | 0  | 0  | 0  | 1   |
| MAHONING   | 3,004  | 2,934  | 47  | 16 | 5  | 2  | 70  |
| MARION     | 1,405  | 1,390  | 8   | 4  | 1  | 2  | 15  |
| MEDINA     | 1,208  | 1,204  | 3   | 0  | 1  | 0  | 4   |
| MEIGS      | 360    | 352    | 2   | 5  | 0  | 1  | 8   |
| MERCER     | 347    | 345    | 1   | 1  | 0  | 0  | 2   |
| MIAMI      | 1,012  | 1,006  | 4   | 1  | 1  | 0  | 6   |
| MONROE     | 104    | 103    | 0   | 1  | 0  | 0  | 1   |
| MONTGOMERY | 6,148  | 6,082  | 43  | 12 | 6  | 5  | 66  |
| MORGAN     | 219    | 215    | 4   | 0  | 0  | 0  | 4   |
| MORROW     | 230    | 228    | 1   | 0  | 0  | 1  | 2   |
| MUSKINGUM  | 1,952  | 1,912  | 27  | 8  | 3  | 2  | 40  |
| NOBLE      | 181    | 176    | 3   | 1  | 0  | 1  | 5   |
| OTTAWA     | 348    | 345    | 1   | 1  | 1  | 0  | 3   |
| PAULDING   | 142    | 138    | 4   | 0  | 0  | 0  | 4   |
| PERRY      | 519    | 515    | 3   | 0  | 1  | 0  | 4   |
| PICKAWAY   | 828    | 823    | 2   | 1  | 0  | 2  | 5   |
| PIKE       | 336    | 333    | 2   | 1  | 0  | 0  | 3   |
| PORTAGE    | 1,127  | 1,114  | 9   | 3  | 0  | 1  | 13  |
| PREBLE     | 344    | 338    | 5   | 0  | 0  | 1  | 6   |
| PUTNAM     | 224    | 224    | 0   | 0  | 0  | 0  | 0   |
| RICHLAND   | 1,921  | 1,902  | 10  | 7  | 0  | 2  | 19  |
| ROSS       | 1,460  | 1,454  | 3   | 2  | 0  | 1  | 6   |
| SANDUSKY   | 631    | 623    | 5   | 2  | 1  | 0  | 8   |
| SCIOTO     | 482    | 477    | 3   | 0  | 1  | 1  | 5   |

|            |         |         |       |     |     |     |       |
|------------|---------|---------|-------|-----|-----|-----|-------|
| SENECA     | 1,441   | 1,418   | 14    | 8   | 0   | 1   | 23    |
| SHELBY     | 1,014   | 1,007   | 4     | 2   | 1   | 0   | 7     |
| STARK      | 5,404   | 5,353   | 29    | 9   | 9   | 4   | 51    |
| SUMMIT     | 7,438   | 7,380   | 35    | 11  | 7   | 5   | 58    |
| TRUMBULL   | 2,507   | 2,494   | 9     | 2   | 1   | 1   | 13    |
| TUSCARAWAS | 928     | 915     | 5     | 6   | 0   | 2   | 13    |
| UNION      | 216     | 215     | 0     | 1   | 0   | 0   | 1     |
| VAN WERT   | 369     | 365     | 3     | 1   | 0   | 0   | 4     |
| VINTON     | 271     | 267     | 1     | 1   | 2   | 0   | 4     |
| WARREN     | 1,195   | 1,190   | 4     | 0   | 0   | 1   | 5     |
| WASHINGTON | 570     | 562     | 6     | 1   | 1   | 0   | 8     |
| WAYNE      | 1,485   | 1,474   | 6     | 4   | 0   | 1   | 11    |
| WILLIAMS   | 642     | 640     | 1     | 0   | 0   | 1   | 2     |
| WOOD       | 1,484   | 1,477   | 3     | 3   | 1   | 0   | 7     |
| WYANDOT    | 225     | 224     | 1     | 0   | 0   | 0   | 1     |
| Total      | 155,162 | 152,414 | 1,744 | 555 | 238 | 211 | 2,748 |

For information concerning these statistics, please contact ODH's Childhood Lead Poisoning Prevention Program at (614) 728-6816.