Lead Poisoning

Merlin disease code=94890
Case report form (CRF): None
MERLIN EXTENDED DATA REQUIRED

Background
Often asymptomatic, but may result in impaired neurobehavioral development, low IQ, slow nerve conduction, peripheral neuropathies, and encephalopathy.

Clinical criteria for case classification
Not applicable.

Laboratory criteria for case classification
Confirmatory:
Either of the following:
• Blood lead level ≥5 µg/dL measured from a venous specimen
• Or blood lead level ≥5 µg/dL measured from two capillary specimens, unknown specimens (i.e., venous or capillary), or a combination of capillary and unknown specimens taken within 12 weeks of one another.

Supportive:
Blood lead level ≥5 µg/dL measured from a single capillary specimen or unknown specimen (i.e., venous or capillary).

Epidemiological criteria for case classification
Not applicable.

Case classification
Confirmed:
A person with confirmatory laboratory evidence.

Suspect:
A person with supportive laboratory evidence.

Criteria to distinguish a new case from previous reports
Only one case should be created for any person tested, regardless of the number of results received or the blood lead level. All additional results received for that person will be associated with that case.

Comments
All blood level lead tests are reportable in Florida. Note that cases with blood lead levels ≥5 and <10 µg/dL will be automatically created and reported as lead poisoning cases in Merlin. No follow-up is required on these cases and no extended data will be required. Screening results <5 µg/dL will be maintained in Merlin and a case will be created with a dx status of “not a case” for each person.

The Childhood Lead Poisoning Screening and Case Management Guide is a resource available for CHD disease investigators and health care providers. It contains additional information on disease investigation, lead poisoning testing, case management, and requirements for environmental

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