Prenatal Lead Risk Evaluation Questionnaire (PLRQ) Algorithm

All confirmed venous blood lead levels of ≥5 μg/dL will receive case management services from IDPH.

Administer PLRQ during pre-conceptual counseling and to pregnant person.

Response to PLRQ

- NO
  - Answer of "Don't Know", recommended to follow same guidelines as "YES" response.
  - IF in Pre-natal Counseling: Give education regarding effects of lead exposure to fetus and children and ways to reduce lead exposure.

- DONE
  - No further action required.

- Answer of YES to any question
  - Perform Venous Blood Lead Test: Give education regarding effects of pre-natal and childhood lead exposure if test is refused.
  - IF Pregnant: Follow-up Testing Needed
    - Venous Blood Lead Level (μg/dL)
      - 5 – 14
        • Within 1 month
      - 15 - 24
        • Within 1 month, then every 2-3 months
      - 25 - 44
        • Within 1 – 4 weeks, then every month
      - ≥ 45 or more
        • Within 24 hours, then frequent intervals depending on clinical intervention and blood lead level trends
        • Consult a clinician experienced in managing blood lead levels in pregnancy

- NO
  - All newborns of pregnant persons with a BLL ≥ 5 μg/dL must be tested at birth.
    - Test newborn via cord blood or venous draw.
    - Report ALL blood lead level results IDPH.
      - Fax: 217-557-1188

- IF Pre-conceptual Counseling:
  - Lead Level ≥ 5 μg/dL
    - IF Pregnant: Re-test prior to delivery (3rd trimester)
    - Lead Level < 5 μg/dL
      - IF Pre-conceptual Counseling:
        - Lead Level ≥ 5 μg/dL
          - IF Pregnant: Follow-up Testing Needed
        - Lead Level < 5 μg/dL
          - DONE
            - No further action required.

- DONE
  - No further action required.

- IF in Pre-natal Counseling: Give education regarding effects of pre-natal and childhood lead exposure to fetus and children and ways to reduce lead exposure.
  - Report ALL venous blood lead level results to IDPH.
    - Fax: 217-557-1188
  - IF Pregnant: Follow-up Testing Needed
    - Venous Blood Lead Level (μg/dL)
      - 5 – 14
        • Within 1 month
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      - ≥ 45 or more
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        • Consult a clinician experienced in managing blood lead levels in pregnancy

- DONE
  - No further action required.

- See IDPH guidelines for neonates and infants with blood lead test results ≥ 5.