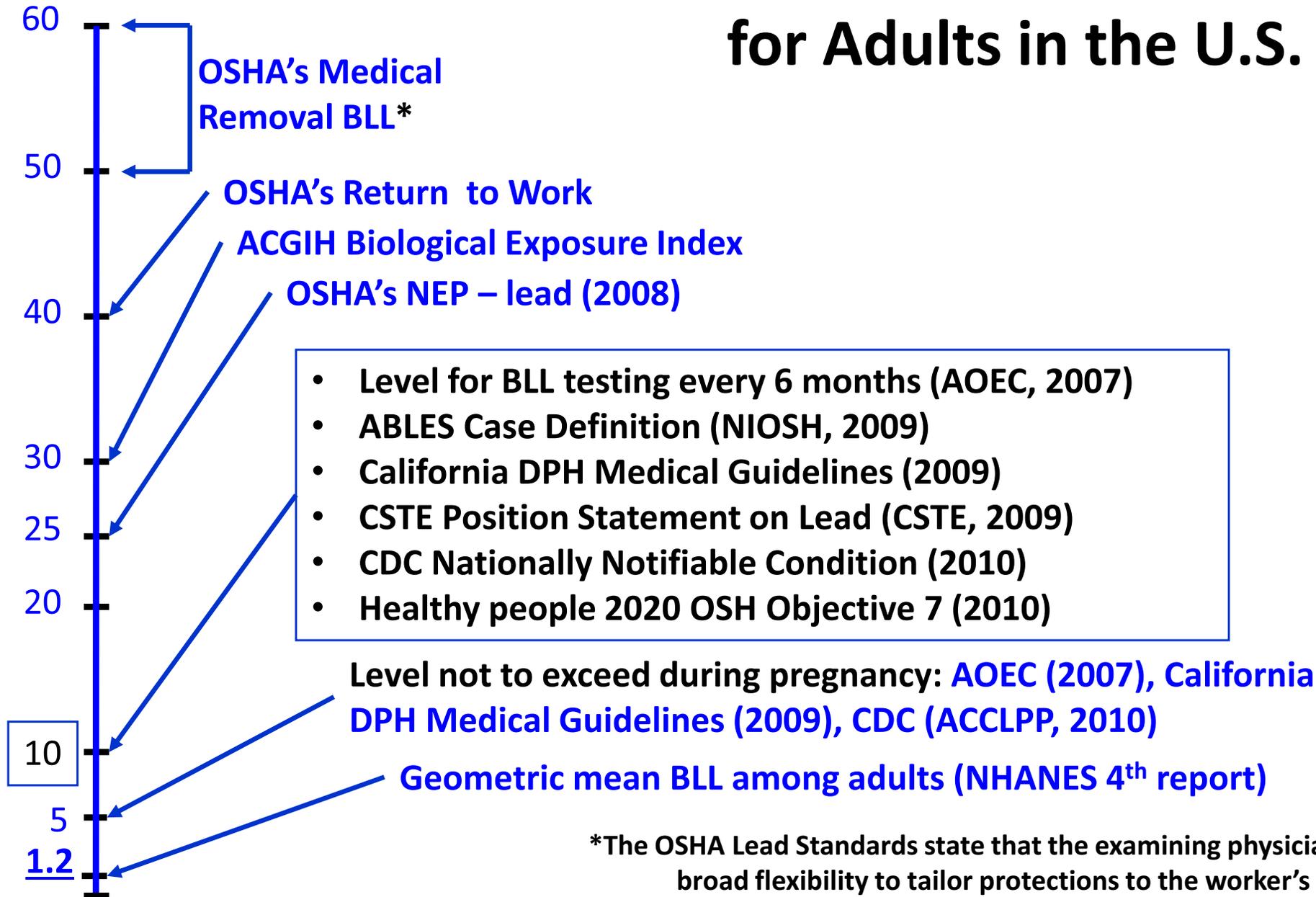


Blood lead concentration ($\mu\text{g}/\text{dL}$)

Reference Blood Lead Levels for Adults in the U.S.



*The OSHA Lead Standards state that the examining physician has broad flexibility to tailor protections to the worker's needs

Links to source documents for blood lead reference levels in slide 1

- OSHA Lead Standards: <http://www.osha.gov/SLTC/lead/>
- American Conference of Governmental Industrial Hygienists (ACGIH): <http://www.acgih.org/Products/beiintro.htm>
- OSHA Instruction: National Emphasis Program on Lead: http://www.osha.gov/OshDoc/Directive_pdf/CPL_03-00-0009.pdf
“Inspections will also be conducted in establishments where reported employee blood lead levels were at or above 25 µg/dL”
- The Association of Occupational and Environmental Clinics. Medical Management Guidelines for Lead-Exposed Adults: http://www.aoec.org/documents/positions/MMG_FINAL.pdf
- Kosnett MJ et al. Recommendations for Medical Management of Adult Lead Exposure. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1849937/>
- NIOSH ABLES case definition for an elevated blood lead level: <http://www.cdc.gov/niosh/topics/ABLES/description.html>
- California Department of Public Health's Medical Guidelines for the Lead-Exposed Worker: <http://www.cdph.ca.gov/programs/olppp/Documents/medgdln.pdf>
- Council of State and Territorial Epidemiologists (CSTE) Position Statement 09-OH-02. Public Health Reporting and National Notification for Elevated Blood: Lead Levels <http://c.ymcdn.com/sites/www.cste.org/resource/resmgr/PS/09-OH-02.pdf>
- Nationally Notifiable Non-Infectious Conditions. United States 2010. Elevated Blood Lead Levels: <http://wwwn.cdc.gov/NNDSS/script/conditionssummary.aspx?CondID=95>
- Department of Health and Human Services. Healthy People 2020 Occupational Safety and Health objective 7: <http://www.healthypeople.gov/2020/topicsobjectives2020/objectiveslist.aspx?topicid=30> and operational definition in http://www.healthindicators.gov/Indicators/Lead-elevated-level-work-related-per-100000_1300/Profile
- CDC Guidelines for the Identification and Management of Lead Exposure in Pregnant and Lactating Women: <http://www.cdc.gov/nceh/lead/publications/LeadandPregnancy2010.pdf>. These guidelines recommend follow-up activities and interventions beginning at blood lead levels (BLLs) ≥ 5 µg/dL in pregnant women. The essential activity in management of pregnant women with BLLs ≥ 5 µg/dL is removal of the lead source, disruption of the route of exposure, or avoidance of the lead-containing substance or activity.
- CDC's National Report on Human Exposure to Environmental Chemicals. <http://www.cdc.gov/exposurereport/> and Updated tables: http://www.cdc.gov/exposurereport/pdf/FourthReport_UpdatedTables_Sep2013.pdf
- National Toxicology Program. Health Effects of Low-level Lead Evaluation: <http://ntp.niehs.nih.gov/go/36443>