

## TUBERCULOSIS TESTING RECOMMENDATIONS FOR INFANTS, CHILDREN AND ADOLESCENTS

---

*The following recommendations are based on the American Academy of Pediatrics, Red Book 2015 Report of Infectious Diseases.*

### **Children for whom immediate TST or IGRA is indicated:**

- Contacts of people with confirmed or suspected contagious tuberculosis (contact investigation).
- Children with radiographic or clinical findings suggesting tuberculosis disease.
- Children immigrating from areas with endemic infection, including international adoptees. See High Burden Countries for TB chart.  
(<http://www.dhhr.wv.gov/oeps/tuberculosis/Pages/Resources.aspx>)
- Children with travel histories to countries with endemic infection and substantial contact with indigenous people from such countries.

### **Children who should have annual TST or IGRA:**

- Children infected with HIV infection (TST only).

### **Children with other medical conditions: (i.e. diabetes mellitus, chronic renal failure, malnutrition, congenital or acquired immunodeficiency, receiving TNF antagonists)**

- Without recent exposure, there's no increased risk of acquiring *M tuberculosis* infection. However, these conditions enhance the possibility for progression to severe disease.
- Initial histories of potential exposure should be done for all of these patients.
- Risk assessment should be repeated regularly to determine any possible exposure. If a possible exposure is noted, immediate and periodic TST or IGRA should be considered.

### **A TST or IGRA should be performed before initiation of immunosuppressive therapy, including:**

- Prolonged systemic corticosteroid administration.
- Organ transplantation.
- Use of TNF-alpha antagonists or blockers.
- Other immunosuppressive therapy in any child requiring these treatments.

TST-tuberculin skin test

IGRA-interferon gamma release assay

TNF-tumor necrosis factor

HIV-human immunodeficiency virus

## TUBERCULOSIS TESTING RECOMMENDATIONS FOR INFANTS, CHILDREN AND ADOLESCENTS

---

### High Burden Countries for TB

Country	Burden Category
Angola	TB / MDR-TB / TB-HIV
Bangladesh	TB / MDR-TB
Brazil	TB / TB-HIV
Cambodia	TB
China	TB / MDR-TB / TB-HIV
Congo	TB / TB-HIV
Central African Republic	TB / TB-HIV
DPR Korea	TB / MDR-TB
DR Congo	TB / MDR-TB / TB-HIV
Ethiopia	TB / MDR-TB / TB-HIV
Guatemala	TB
India	TB / MDR-TB / TB-HIV
Indonesia	TB / MDR-TB / TB-HIV
Kenya	TB / MDR-TB / TB-HIV
Lesotho	TB / TB-HIV
Liberia	TB / TB-HIV
Mexico	TB
Mozambique	TB / MDR-TB / TB-HIV
Myanmar	TB / MDR-TB / TB-HIV
Namibia	TB / TB-HIV
Nigeria	TB / MDR-TB / TB-HIV
Pakistan	TB / MDR-TB
Papua New Guinea	TB / MDR-TB / TB-HIV
Philippines	TB / MDR-TB
Russian Federation	TB / MDR-TB
Sierra Leone	TB
South Africa	TB / MDR-TB / TB-HIV
Thailand	TB / MDR-TB / TB-HIV
United Republic of Tanzania	TB / TB-HIV
Viet Nam	TB / MDR-TB
Zambia	TB / TB-HIV
Zimbabwe	TB / MDR-TB / TB-HIV

Sources: WHO listing for 2016-2020, U.S. Preventive Services Task Force Recommendation on Latent TB Infection (2016).