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The Nationwide Evaluation of X-ray Trends (NEXT) recently completed a national survey of pediatric radiography. The survey used a phantom that approximates a nominal 18-month-old infant. Several hundred facilities were surveyed including facilities that specialize in pediatric care. This presentation will discuss preliminary results for mean entrance air kerma, radiographic technique factors, use of grids, types of screen and film used, phantom film image quality, film processing quality, and darkroom fog.