

FY 02 Healthy Homes Demonstration and Lead Studies Technical Grantees

University of Cincinnati
P.O. Box 670553
Cincinnati, Hamilton, OH 45267-0053
Amount of Award: \$159,734
Contact: John Michnowicz
(513) 558-3684

Cincinnati, Ohio

The University of Cincinnati researchers will develop appropriate preparation procedures to use for the measurement of lead in soil and exterior dust samples. The researchers will analyze various fractions of the samples for lead based on particle size. They will measure the lead in the various fractions of samples from two large studies to determine which part of a soil or dust sample may be more valid to use when assessing risk and health implications. As a final product they expect to develop and document a universal procedure for the preparation of soil and exterior dust samples for lead analysis.

University of Cincinnati
P.O. Box 670553
Cincinnati, Hamilton, OH 45267-0053
Amount of Award: \$188,150
Contact: John Michnowicz
(513) 558-3684

Cincinnati, Ohio

The objective of this research by the University of Cincinnati is to determine the effect of residential soil lead hazard control procedures both on exterior dust lead levels on the adjacent street and at the exterior entry and on interior surfaces of study homes in Cleveland, Ohio. The researchers will also determine the effectiveness of soil-lead hazard controls three to six years after they were implemented and they will compare two different methods of collecting exterior dust. Researchers will collect and analyze samples from 120 housing units that will be selected at random from units previously treated through the HUD-funded Cleveland Lead Hazard Control Program. This study fills a gap in research by documenting the impact of soil lead controls on interior dust lead loadings.
