

The Children's Total Exposure to Persistent Pesticides and Other Persistent Organic Pollutants (CTEPP) Study

Translating Videotapes of Child Activities

Battelle
Columbus, OH 43201
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Standard Operating Procedure

CTEPP-SOP-4.13

Title: Translating Videotapes of Child Activities

Source: Battelle

U.S. Environmental Protection Agency
Office of Research and Development
Human Exposure & Atmospheric Sciences Division
Exposure Measurements & Analysis Branch

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STANDARD OPERATING PROCEDURE (SOP) FOR
TRANSLATING VIDEOTAPES OF CHILD ACTIVITIES

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1.0 Scope and Applicability

This standard operating procedure (SOP) describes the method for translating the videotapes of children from the CTEPP study.

2.0 Summary of Method

The EPA will conduct a two-day video translation workshop to demonstrate to coders the procedures for translating the activity patterns of preschool children on videotape. The coders will be required to pass reliability tests to successfully complete the training requirements of the workshop. Coders will translate the videotapes from the CTEPP study using the Virtual Timing Device (VTD) computer software program.

3.0 Definition

CTEPP - A Pilot Study of Children's Total Exposure to Persistent Pesticides and Other Persistent Organic Pollutants

4.0 Cautions

Coders should pay special attention to protecting study participants' identities (keep manuals and videotapes in secure places such as locked cabinets or rooms).

5.0 Responsibilities

EPA will conduct a demonstration workshop, and will spot-check translation procedures. Coding personnel will attend the two-day workshop and pass all of the intra- and inter-observer reliability tests. Coders will translate child activities on videotape from the CTEPP study and be spot-checked for intra- and inter-observer reliability during the translation process.

6.0 Apparatus and Materials

6.1 Materials - EPA will supply items 6.1.1-6.1.7

6.1.1 G3 Macintosh computer with a 20" ViewSonic monitor

6.1.2 Sony Hi-8 mm VCR or Digital VCR

6.1.3 Virtual Timing Device computer software (VTD; Release 1 Version 5)

6.1.4 IXTV (video) software

6.1.5 Translation training manual

6.1.6 Digital kitchen timer

6.1.7 Twenty-six Iomega Zip discs (PC 100; formatted for IBM compatibles)

7.0 Procedures

7.1 Up to 26 children will be videotaped for about two hours each in the CTEPP study. Only coders who have completed and passed the reliability tests in the demonstration workshop are permitted to translate the videotapes. The videotapes will be translated in continuous 15-minute intervals using the activity template in the VTD software program. Save data in Microsoft Word as txt files on the hard drive, Zip disks, and in hard copy (*procedures described in the translation training manual*).

7.2 Maintain reliability of less than 5% and 10% intra- and inter-observer variation, respectively, during the translation process.

8.0 Records

Identify the children exclusively by their CTEPP identification numbers when saving the information as txt files and in any hard copy form.

9.0 Quality Control and Quality Assurance

9.1 Data and records management

10.0 Reference

10.1 Reed, K. 1998. Quantification of children's hand and mouthing activities through a videotaping methodology. Bell & Howard Company, pp. 237.

10.2 Wilson, N.K., G.F. Evans, W.C. Nelson, R.G. Lewis, T. McCurdy, E. Cohen-Hubal, Maurice Berry, Jim Quackenboss, and C. Stevens. A pilot study of children's total exposure to persistent pesticides and other persistent organic pollutants (CTEPP Study Design, NERL/HEAB, February 24, 2000).

10.3 Zartarian, V., J. Streicker, A. Rivera, C. Cornejo, S. Molina, O. Valadez, and J. Leckie. 1995. A pilot study to collect micro-activity data of two-to-four-year-old farm labor children in Salinas Valley, California. *Journal of Exposure Analysis and Environmental Epidemiology*. 5(1): 21-34.