







Fig. 1. Distribution of *O. volvulus* in Texas, USA, 1996–2007. The map shows the number of cases reported in each county. The legend indicates the number of cases: No data (white), No cases (light blue), 1 case (light green), 2–10 cases (medium green), 11–100 cases (dark green), and 100+ cases (black). The inset map shows the location of Texas within the United States.

into those with <90 eligible residents and those with ≥90 eligible residents. In the small communities (<90 residents), all eligible individuals (N~266) were invited to participate. In the larger

communities (≥90 residents), a PDA-based algorithm was applied in the field to randomly select 12% of the households and their members for inclusion in the evaluation (N~223).

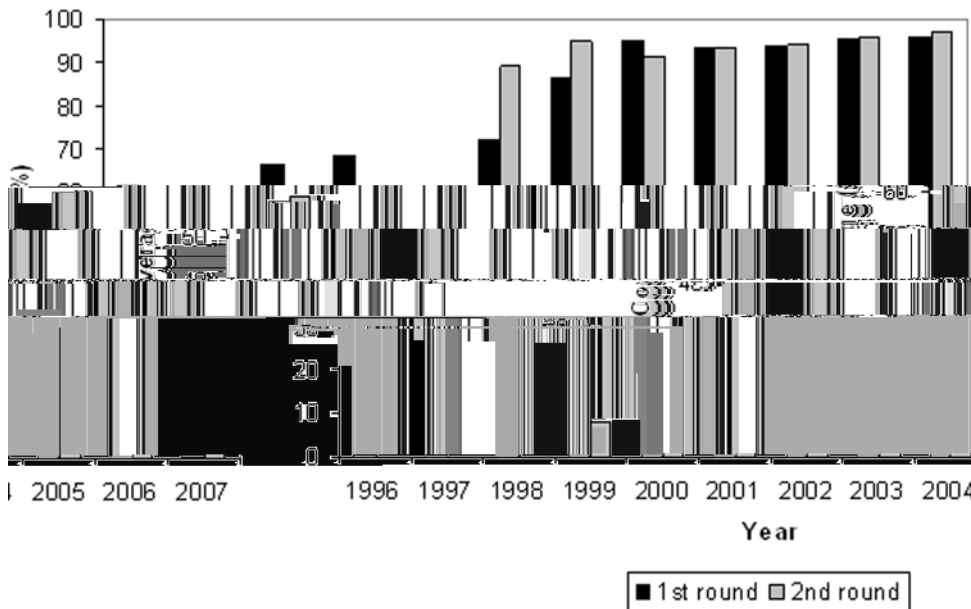


Fig. 2. Percentage of households with *O. volvulus* in the first and second rounds of the survey from 1996 to 2004. The Y-axis represents the percentage of households (0–100). The X-axis represents the Year (1996–2004). The legend indicates '1st round' (black bars) and '2nd round' (grey bars).



blood directly after the finger prick. Children who didn't attend school on the appointed day were traced to their homes and asked to participate. Blood samples were processed within two months of collection using a standard ELISA [12].

*O. volvulus* transmission in the Escuintla-Guatemala focus was extensively documented from 1979 to 1984 by the Guatemala-Japan Cooperative Project on Onchocerciasis Research and Control, which conducted a large-scale larval elimination program in the area around the town of San Vicente Pacaya in the Department of Escuintla [21]. Several communities in that area

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