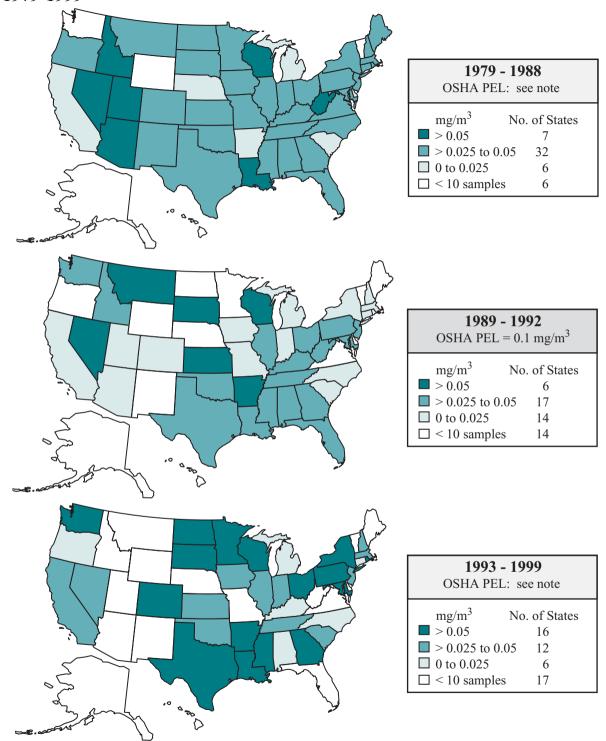
Figure 3-9. Respirable quartz: Geometric mean exposures by state, OSHA samples, 1979-1999



PEL - permissible exposure limit REL - recommended exposure limit  $mg/m^3$  - milligrams per cubic meter NOTE: Before March 1, 1989 and after March 22, 1993, the OSHA PEL is  $[(10 mg/m^3)/(\% quartz + 2)]$  for respirable dust containing at least 1 percent quartz. From March 1, 1989 to March 22, 1993, the OSHA PEL was  $0.1 mg/m^3$  for respirable quartz. The NIOSH REL is  $0.05 mg/m^3$ . See appendices for source description, methods, and agents.

SOURCE: Occupational Safety and Health Administration (OSHA) Integrated Management Information System.