Tour Guide
for the ATSDR Comparison Value Viewer

ATSDR Comparison Value Viewer

- Air inhalation
- Soil ingestion
- Water ingestion

version: 06March2017. NOTE: Exposure doses will no longer be calculated with this tool.

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Agency for Toxic Substances and Disease Registry
Division of Community Health Investigations
ATSDR is a federal public health agency of the U.S. Department of Health and Human Services.

Our goal is safeguard and protect health by preventing exposures to toxic substances.

Our Land Reuse Health Program integrates public health principles into redevelopment.
The ATSDR Comparison Value Viewer is a computer program that provides users with ATSDR Health Comparison Values for chemicals in three media (Air, Soil, and Water).

This tool requires Microsoft ® Access ® (1997 or later).
ATSDR Comparison Value Viewer - Features

- Provides three media-specific scenarios: Air, Soil, and Water
- Displays ATSDR health comparison values
- Provides suggested value for consideration when evaluating chemical exposures
- Assists reviewers of Land Reuse sites
ATSDR Comparison Value Viewer

The first screen displayed is the disclaimer. Select either “Continue” to proceed with the Comparison Value Viewer or “Exit” to quit the program.
The next screen displayed provides the user with the ability to check for upgrades or continue without checking.
Enter chemical by selecting: “Common Name,” “Synonym,” or “CASN.”

The CASN is the Chemical Abstract Registry Number.
Example chemical: 1,3-Butadiene

The Tool looks up the associated comparison value for the selected chemical. The “Suggested CV” category and values are then highlighted.
Example chemical: 1,3-Butadiene

For Air CVs, the values are often presented in both common units (µg/m³ and ppb).

The “ATSDR Comparison Value Date” is listed here.
Example chemical: 1,3-Butadiene

“Cancer Classification” is displayed on this tab.
Example chemical: 1,3-Butadiene

“Useful Equations” are displayed on this tab.

1) \( C_{\mu g/m^3} = C_{ppb} \times \frac{\text{Mol Wt}}{24.45} \)

2) \( C_{ppb} = C_{\mu g/m^3} \times \frac{24.45}{\text{Mol Wt}} \)
ATSDR Comparison Value Viewer-Soil

Example chemical: Arsenic

The Tool looks up the associated comparison value for the selected chemical. The “Suggested CV” category and values are then highlighted.

Notes are listed here.

The “ATSDR Comparison Value Date” is listed here.

The CREG for arsenic in soil is below national background levels. Therefore, it is recommended that the soil chronic EMEG/Remeg be used for screening arsenic in soil.
Example chemical: Arsenic

“Cancer Classification” is displayed on this tab.
Example chemical: Chlordane

The Tool looks up the associated comparison value for the selected chemical. The “Suggested CV” category and values are then highlighted.

The “ATSDR Comparison Value Date” is listed here.
Example chemical: Chlordane

“Cancer Classification” is displayed on this tab.
For more information please contact Agency for Toxic Substances and Disease Registry

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Agency for Toxic Substances and Disease Registry.

ATSDR Land Reuse Health Program

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