

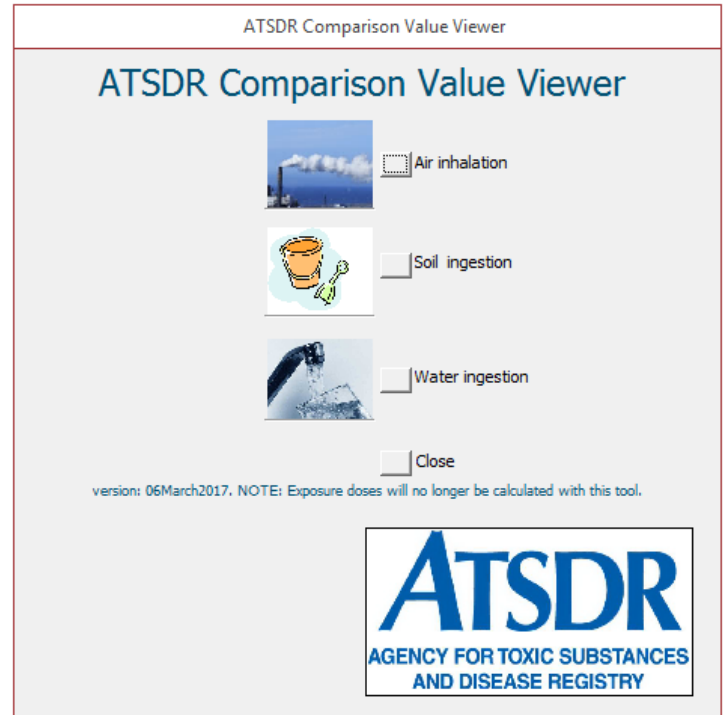
ATSDR Comparison Value Viewer

What is the ATSDR Comparison Value Viewer?

The ATSDR Comparison Value Viewer is a computer program that provides users with ATSDR Health Comparison Values¹ for chemicals in three media (Air, Soil, and Water).

A survey of local health departments indicated a need for a system to:

- Display ATSDR health comparison values for three media-specific scenarios: Air, Soil, and Water.
- Provide suggested value for consideration when evaluating chemical exposures.
- Assist reviewers of Land Reuse sites.



What entities are using the ATSDR Comparison Value Viewer?

- Health Departments (from local to state level)
- Development Community (people engaged in community revitalization)
- Regulatory Agencies
- Planners
- Environmental Health Professionals

Who Are We?


The Agency for Toxic Substances and Disease Registry (ATSDR) is a federal public health agency headquartered in Atlanta, Georgia. ATSDR is responsible for evaluating and protecting community health from the effects of exposure to hazardous substances in the environment.

Continued on next page

¹ Health Comparison Values (CVs) are concentration of a substance in air, water, or soil that is unlikely to cause harmful health effects in exposed people. The CV is used as a screening level during the public health assessment process. Substances found in amounts greater than their CVs might be selected for further evaluation in the public health assessment process.

ATSDR Comparison Value Viewer

ATSDR Air Comparison Values



Common Name: 1,3-BUTADIENE

Synonym:

CASN:

Chemical Name Selected: 1,3-BUTADIENE

CASN Selected: 000106-99-0

Suggested CV: CREG

Health Comparison Values | Cancer Classification | Useful Equations


ATSDR Inhalation Comparison Values

Chronic Values	Intermediate Values	Acute Values
Chr EMEG/MRL: <input type="text"/> $\mu\text{g}/\text{m}^3$	Int EMEG/MRL: <input type="text"/> $\mu\text{g}/\text{m}^3$	Acute EMEG/MRL: <input type="text"/> $\mu\text{g}/\text{m}^3$
CREG: 3.3E-02 $\mu\text{g}/\text{m}^3$	Int EMEG/MRL: <input type="text"/> ppb	Acute EMEG/MRL: <input type="text"/> ppb
Chr RMEG/RIC: 2.0E+00 $\mu\text{g}/\text{m}^3$		
Chr EMEG/MRL: <input type="text"/> ppb		
CREG: 1.5E-02 ppb		
Chr RMEG/RIC: 9.0E-01 ppb		

Air Comments

ATSDR Comparison Value Date: Nov2016

ATSDR Soil Comparison Values



Common Name: ARSENIC

Synonym:

CASN:

Chemical Name Selected: ARSENIC

CASN Selected: 007440-38-2

Suggested CV: Chronic EMEG child

Health Comparison Values | Cancer Classification

ATSDR Comparison Values

Chronic Values (ppm)	Intermediate Values (ppm)	Acute Values (ppm)
Chronic EMEG Child: 1.7E+01	Intermediate EMEG Child: <input type="text"/>	Acute EMEG Child: 2.9E+02
Chronic EMEG Adult: 2.4E+02	Intermediate EMEG Adult: <input type="text"/>	Acute EMEG Adult: 4.0E+03
CREG: 2.5E-01		
Chronic RMEG Child: 1.7E+01		
Chronic RMEG Adult: 2.4E+02		

Additional CVs (ppm)

Acute EMEG Pica Child: 2.7E+01


Intermediate EMEG Pica Child:

Soil Comments

The CREG for arsenic in soil is below national background levels; Therefore, it is recommended that the soil chronic EMEG/RMEG be used for screening arsenic in soil.

ATSDR Comparison Value Date: Nov2016

ATSDR Water Comparison Values



Common Name: XYLENES, TOTAL

Synonym:

CASN:

Chemical Name Selected: XYLENES, TOTAL

CASN Selected: 001330-20-7

Suggested CV: Water chr EMEG child

Health Comparison Values | Cancer Classification

ATSDR Comparison Values (ppb)

Chronic Values	Intermediate Values	Other Values
Chronic EMEG Child: 1.4E+03	Intermediate EMEG Child: 2.8E+03	MCLG: 10,000
Chronic EMEG Adult: 5.2E+03	Intermediate EMEG Adult: 1.0E+04	MCL: 1.0E+04
CREG: <input type="text"/>		Action Level: <input type="text"/>
Chronic RMEG Child: 1.4E+03		
Chronic RMEG Adult: 5.2E+03		
LTHA: <input type="text"/>		

Water Comments

ATSDR Comparison Value Date: Nov2016

To learn more about the ATSDR Comparison Value Viewer:
 Contact Laurel Berman at (312) 886-7476, Leann Bing at (404) 562-1784,
 or Gary Perlman at (617) 918-1492, or e-mail us at atsdr.LandReuse@cdc.gov.