

US EPA ARCHIVE DOCUMENT

1996 Modeled Exposure Concentrations for Nevada

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- The exposure estimates presented below are representative of midrange estimates of population exposures. Due to a number of factors, some individuals may have substantially higher or lower exposures. It is important to note that the model, as applied on the national scale, is not designed to quantify these extreme values of individual exposures.
- Note that for certain chemicals, exposure pathways other than inhalation as well as indoor sources of air toxics may contribute substantially to total exposures of concern. This assessment does not address these other routes of exposure (i.e., ingestion or dermal) or inhalation exposure resulting from indoor sources.
- The emissions used in this assessment do not reflect potentially significant emission reductions that have taken effect since 1996, including those from: 1) mobile source regulations which are being phased in over time; 2) many of the air toxics regulations EPA has issued for major industrial sources; 3) State or industry initiatives; and 4) any facility closures.
- Methods of estimating emissions as well as simplified modeling assumptions may introduce significant uncertainties into each component of the assessment.
[For a discussion of limitations please see http://www.epa.gov/ttn/atw/nata/natsalim2.html](http://www.epa.gov/ttn/atw/nata/natsalim2.html)
- Because of these uncertainties, EPA will not use the results of this assessment to determine source-specific contributions or to set regulatory requirements. However, EPA expects to use these results to inform decisions about the priorities of the air toxics program as well as to guide the collection of additional data that could lead to regulatory decisions.

				Estimated Annual Median Exposure Concentrations (ug/m3) for Nevada												
State	County	FIPS	Urban or Rural	1,1,2,2-TCA	1,3-Butadiene	1,3-Dichloropropene	Acetaldehyde	Acrolein	Acrylonitrile	Arsenic	Benzene	Beryllium	Cadmium	Carbon Tetrachloride	Chloroform	Chromium
National	All	99999	-	2.33E-04	4.79E-02	5.20E-02	4.82E-01	7.21E-02	5.62E-04	4.83E-05	1.19E+00	8.35E-06	3.90E-05	6.41E-01	6.90E-02	5.15E-04
National	All Urban Counties	99998	U	3.50E-04	5.93E-02	6.60E-02	6.45E-01	8.89E-02	8.39E-04	6.25E-05	1.41E+00	1.08E-05	5.90E-05	6.41E-01	6.96E-02	8.25E-04
National	All Rural Counties	99998	R	3.62E-05	1.30E-02	7.09E-03	1.15E-01	3.03E-02	7.64E-05	1.01E-05	6.01E-01	1.09E-06	4.79E-06	6.40E-01	6.80E-02	5.05E-05
Nevada	State Total	32000	-	8.99E-05	4.16E-02	5.43E-02	3.93E-01	5.66E-02	1.64E-04	2.32E-05	1.10E+00	7.47E-06	1.06E-05	6.40E-01	6.83E-02	1.97E-04
Nevada	State Urban Counties	32000	U	9.32E-05	5.13E-02	7.48E-02	4.72E-01	7.07E-02	1.71E-04	2.96E-05	1.22E+00	1.03E-05	1.45E-05	6.40E-01	6.84E-02	3.00E-04
Nevada	State Rural Counties	32000	R	6.82E-07	2.25E-03	1.22E-03	1.23E-02	4.86E-03	1.54E-06	6.63E-08	4.23E-01	2.02E-08	3.73E-08	6.38E-01	6.77E-02	5.51E-07
Nevada	Churchill County	32001	R	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nevada	Clark County	32003	U	9.10E-05	4.91E-02	9.80E-02	5.29E-01	6.17E-02	1.66E-04	3.69E-05	1.23E+00	1.28E-05	1.78E-05	6.42E-01	6.85E-02	2.99E-04
Nevada	Douglas County	32005	R	1.37E-04	3.82E-02	1.08E-02	2.46E-01	8.22E-02	2.46E-04	1.96E-05	8.43E-01	1.47E-06	2.73E-06	6.42E-01	6.79E-02	8.05E-05
Nevada	Elko County	32007	U	6.63E-06	6.58E-03	2.66E-03	1.27E-01	1.47E-02	1.19E-05	8.23E-07	4.85E-01	2.85E-07	3.92E-07	6.39E-01	6.78E-02	3.20E-06
Nevada	Esmeralda County	32009	R	1.73E-07	1.05E-03	9.76E-05	3.48E-03	2.60E-03	3.91E-07	2.57E-08	4.16E-01	8.19E-09	1.23E-08	6.52E-01	6.76E-02	2.91E-07
Nevada	Eureka County	32011	R	1.23E-05	1.25E-03	4.63E-05	5.15E-03	3.74E-03	2.14E-05	1.15E-08	4.20E-01	3.82E-09	5.15E-09	6.36E-01	6.78E-02	9.04E-08
Nevada	Humboldt County	32013	U	7.03E-11	1.62E-03	5.26E-04	1.77E-02	2.74E-03	1.48E-08	1.86E-07	4.28E-01	6.02E-08	8.41E-08	6.38E-01	6.80E-02	8.22E-07
Nevada	Lander County	32015	R	3.82E-07	2.01E-03	5.32E-05	6.83E-03	4.97E-03	1.06E-06	3.95E-07	4.18E-01	2.44E-08	5.45E-08	6.41E-01	6.78E-02	6.19E-07
Nevada	Lincoln County	32017	R	7.26E-10	4.56E-03	1.09E-04	1.82E-02	1.53E-02	1.52E-07	3.23E-08	4.34E-01	1.09E-08	1.78E-08	6.36E-01	6.77E-02	2.77E-07
Nevada	Lyon County	32019	R	4.11E-05	1.03E-02	5.02E-03	9.76E-02	2.64E-02	7.82E-05	1.57E-06	5.86E-01	3.95E-07	8.46E-07	6.36E-01	6.81E-02	2.74E-05
Nevada	Mineral County	32021	R	2.69E-09	1.40E-03	4.33E-04	1.24E-02	3.01E-03	5.65E-07	5.58E-06	4.22E-01	2.12E-07	9.37E-06	6.43E-01	6.79E-02	4.97E-06
Nevada	Nye County	32023	U	9.17E-07	6.68E-04	1.23E-04	5.16E-03	1.53E-03	1.85E-06	3.10E-08	4.19E-01	1.02E-08	1.59E-08	6.38E-01	6.76E-02	4.75E-07
Nevada	Pershing County	32027	R	1.15E-09	1.21E-03	1.46E-04	1.34E-02	2.64E-03	2.40E-07	4.12E-08	4.25E-01	1.37E-08	1.87E-08	6.45E-01	6.77E-02	3.68E-07
Nevada	Storey County	32029	R	8.54E-04	2.28E-02	9.05E-03	3.25E-01	5.83E-02	1.47E-03	4.74E-06	9.19E-01	1.44E-06	3.19E-06	6.49E-01	6.79E-02	1.36E-04
Nevada	Washoe County	32031	U	1.83E-04	7.83E-02	7.10E-02	6.07E-01	9.11E-02	3.28E-04	2.79E-05	1.66E+00	8.98E-06	1.42E-05	6.38E-01	6.84E-02	4.59E-04
Nevada	White Pine County	32033	R	9.86E-07	6.97E-03	3.10E-04	1.96E-02	1.56E-02	2.02E-06	9.15E-08	4.47E-01	2.99E-08	5.26E-08	6.40E-01	6.77E-02	6.91E-07
Nevada	Carson City	32510	U	5.48E-04	4.37E-02	4.41E-02	3.83E-01	9.55E-02	1.04E-03	2.29E-05	1.03E+00	6.70E-06	1.18E-05	6.37E-01	6.90E-02	1.05E-03

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State	County	FIPS	Urban or Rural	Coke Oven Emissions	Diesel PM	Ethylene Dibromide	Ethylene Dichloride	Ethylene Oxide	Formaldehyde	Hexachlorobenzene	Hydrazine	Lead	Manganese	Mercury	Methylene Chloride	Nickel
National	All	99999	-	0.00E+00	1.07E+00	6.08E-03	5.27E-02	1.25E-03	6.77E-01	7.51E-05	3.71E-08	1.54E-03	1.06E-03	1.33E-03	2.72E-01	7.43E-04
National	All Urban Counties	99998	U	0.00E+00	1.30E+00	6.08E-03	5.28E-02	1.80E-03	8.22E-01	7.51E-05	6.61E-08	2.50E-03	1.32E-03	1.40E-03	3.22E-01	1.10E-03
National	All Rural Counties	99998	R	0.00E+00	4.63E-01	6.08E-03	5.26E-02	1.05E-04	3.45E-01	7.51E-05	9.29E-10	1.45E-04	2.38E-04	1.21E-03	1.40E-01	8.37E-05
Nevada	State Total	32000	-	0.00E+00	5.74E-01	6.08E-03	5.25E-02	5.84E-04	5.21E-01	7.50E-05	2.80E-09	1.76E-03	1.25E-03	1.22E-03	2.27E-01	2.14E-04
Nevada	State Urban Counties	32000	U	0.00E+00	6.50E-01	6.08E-03	5.26E-02	9.14E-04	6.07E-01	7.50E-05	4.31E-09	3.09E-03	1.97E-03	1.23E-03	2.69E-01	3.43E-04
Nevada	State Rural Counties	32000	R	0.00E+00	5.75E-02	6.07E-03	5.23E-02	2.40E-06	1.95E-01	7.49E-05	2.28E-13	8.73E-07	2.38E-06	1.19E-03	1.21E-01	5.65E-07
Nevada	Churchill County	32001	R	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nevada	Clark County	32003	U	0.00E+00	6.67E-01	6.08E-03	5.26E-02	1.21E-03	5.57E-01	7.50E-05	3.64E-09	5.81E-03	6.75E-03	1.23E-03	3.12E-01	4.20E-04
Nevada	Douglas County	32005	R	0.00E+00	3.99E-01	6.08E-03	5.24E-02	9.51E-05	5.64E-01	7.50E-05	1.15E-08	1.15E-04	1.43E-04	1.20E-03	1.51E-01	9.09E-05
Nevada	Elko County	32007	U	0.00E+00	1.11E-01	6.09E-03	5.25E-02	2.15E-05	2.88E-01	7.51E-05	0.00E+00	5.32E-05	3.38E-05	1.19E-03	1.27E-01	7.64E-06
Nevada	Esmeralda County	32009	R	0.00E+00	5.22E-02	6.08E-03	5.19E-02	3.33E-07	1.89E-01	7.50E-05	3.94E-11	3.25E-07	1.28E-06	1.19E-03	1.20E-01	2.96E-07
Nevada	Eureka County	32011	R	0.00E+00	1.50E-02	6.07E-03	5.24E-02	1.83E-08	1.93E-01	7.50E-05	5.56E-13	1.29E-07	6.12E-07	1.18E-03	1.20E-01	9.76E-08
Nevada	Humboldt County	32013	U	0.00E+00	9.40E-02	6.08E-03	5.28E-02	8.93E-06	1.91E-01	7.52E-05	0.00E+00	2.19E-06	5.20E-06	1.19E-03	1.22E-01	2.41E-06
Nevada	Lander County	32015	R	0.00E+00	2.84E-02	6.08E-03	5.25E-02	6.85E-07	1.96E-01	7.49E-05	1.61E-10	7.85E-07	1.30E-06	1.19E-03	1.20E-01	5.97E-07
Nevada	Lincoln County	32017	R	0.00E+00	7.24E-02	6.08E-03	5.24E-02	1.91E-06	2.23E-01	7.50E-05	0.00E+00	4.35E-07	1.68E-06	1.18E-03	1.20E-01	3.19E-07
Nevada	Lyon County	32019	R	0.00E+00	2.40E-01	6.08E-03	5.27E-02	3.77E-05	2.98E-01	7.50E-05	5.97E-10	1.99E-05	4.34E-05	1.20E-03	1.37E-01	1.79E-05
Nevada	Mineral County	32021	R	0.00E+00	1.06E-01	6.08E-03	5.24E-02	2.56E-05	1.92E-01	7.51E-05	0.00E+00	8.25E-05	8.36E-06	1.19E-03	1.21E-01	4.44E-06
Nevada	Nye County	32023	U	0.00E+00	4.49E-02	6.07E-03	5.23E-02	6.14E-07	1.85E-01	7.49E-05	7.42E-11	5.45E-07	1.60E-06	1.18E-03	1.20E-01	4.61E-07
Nevada	Pershing County	32027	R	0.00E+00	4.61E-02	6.07E-03	5.19E-02	2.01E-06	1.91E-01	7.49E-05	0.00E+00	9.62E-07	2.10E-06	1.18E-03	1.20E-01	4.31E-07
Nevada	Storey County	32029	R	0.00E+00	4.05E-01	6.08E-03	5.21E-02	2.04E-04	5.16E-01	7.49E-05	1.63E-09	3.75E-04	1.42E-04	1.21E-03	1.65E-01	8.62E-05
Nevada	Washoe County	32031	U	0.00E+00	6.64E-01	6.08E-03	5.26E-02	1.33E-03	7.24E-01	7.50E-05	1.18E-08	2.61E-03	9.94E-04	1.24E-03	2.63E-01	4.93E-04
Nevada	White Pine County	32033	R	0.00E+00	3.55E-02	6.08E-03	5.27E-02	2.45E-06	2.37E-01	7.50E-05	0.00E+00	2.54E-05	2.53E-06	1.19E-03	1.21E-01	1.14E-06
Nevada	Carson City	32510	U	0.00E+00	7.97E-01	6.07E-03	5.26E-02	9.44E-04	6.70E-01	7.50E-05	3.13E-08	6.08E-04	5.75E-04	1.24E-03	3.01E-01	3.55E-04

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State	County	FIPS	Urban or Rural	PCBS	Perchloroethylene	POM (total)	Propylene Dichloride	Quinoline	Trichloroethylene	Vinyl Chloride					
National	All	99999	-	3.00E-04	1.84E-01	4.27E-02	3.11E-05	1.85E-07	9.86E-02	7.61E-04					
National	All Urban Counties	99998	U	3.00E-04	2.13E-01	5.26E-02	4.73E-05	3.22E-07	1.12E-01	1.16E-03					
National	All Rural Counties	99998	R	3.00E-04	1.14E-01	9.18E-03	4.85E-06	1.07E-08	7.06E-02	1.05E-04					
Nevada	State Total	32000	-	3.00E-04	1.77E-01	4.35E-02	1.02E-05	1.39E-08	8.46E-02	2.11E-04					
Nevada	State Urban Counties	32000	U	3.00E-04	2.00E-01	5.97E-02	1.07E-05	1.84E-08	9.52E-02	2.19E-04					
Nevada	State Rural Counties	32000	R	3.00E-04	1.06E-01	6.70E-04	8.72E-08	1.80E-12	6.74E-02	1.62E-06					
Nevada	Churchill County	32001	R	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00					
Nevada	Clark County	32003	U	3.00E-04	2.16E-01	7.23E-02	1.04E-05	1.64E-08	1.05E-01	2.14E-04					
Nevada	Douglas County	32005	R	3.00E-04	1.17E-01	1.55E-02	1.56E-05	4.96E-08	7.33E-02	3.23E-04					
Nevada	Elko County	32007	U	3.00E-04	1.11E-01	3.77E-03	7.38E-07	0.00E+00	6.84E-02	1.55E-05					
Nevada	Esmeralda County	32009	R	3.00E-04	1.06E-01	4.19E-04	2.33E-08	1.91E-10	6.70E-02	4.14E-07					
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Nevada	Humboldt County	32013	U	3.00E-04	1.06E-01	6.27E-04	4.61E-10	0.00E+00	6.78E-02	2.56E-10					
Nevada	Lander County	32015	R	3.00E-04	1.05E-01	6.16E-04	5.74E-08	5.58E-10	6.73E-02	9.24E-07					
Nevada	Lincoln County	32017	R	3.00E-04	1.05E-01	2.12E-03	4.78E-09	0.00E+00	6.73E-02	2.64E-09					
Nevada	Lyon County	32019	R	3.00E-04	1.08E-01	3.47E-03	5.58E-06	1.66E-08	6.88E-02	9.76E-05					
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