

Exhibit 4-2: Human Health - Questions and Indicators

Health Status of the U.S. : Indicators and Trends of Health and Disease

Question	Indicator Name	Category	Section
What are the trends for life expectancy?	Life expectancy	1	4.3.1
What are the trends for cancer, cardiovascular disease, chronic obstructive pulmonary disease and asthma?	Cancer mortality	1	4.3.2
	Cancer incidence	2	4.3.2
	Cardiovascular disease mortality	1	4.3.2
	Cardiovascular disease prevalence	1	4.3.2
	Chronic obstructive pulmonary disease mortality	1	4.3.2
	Asthma mortality	1	4.3.2
	Asthma prevalence	1	4.3.2
What are the trends for gastrointestinal illness?	Cholera prevalence	2	4.3.3
	Cryptosporidiosis prevalence	2	4.3.3
	<i>E. coli</i> O157:H7 prevalence	2	4.3.3
	Hepatitis A prevalence	2	4.3.3
	Salmonellosis prevalence	2	4.3.3
	Shigellosis prevalence	2	4.3.3
	Typhoid fever prevalence	2	4.3.3
What are the trends for children's environmental health issues?	Infant mortality	1	4.3.4
	Low birthweight incidence	1	4.3.4
	Childhood cancer mortality	1	4.3.4
	Childhood cancer incidence	2	4.3.4
	Childhood asthma mortality	1	4.3.4
	Childhood asthma prevalence	1	4.3.4
	Deaths due to birth defects	1	4.3.4
	Birth defect incidence	1	4.3.4

Measuring Exposure to Environmental Pollution: Indicators and Trends

Question	Indicator Name	Category	Section
What is the level of exposure to heavy metals?	Blood lead level	1	4.4.3
	Urine arsenic level	2	4.4.3
	Blood mercury level	1	4.4.3
	Blood cadmium level	1	4.4.3
What is the level of exposure to cotinine?	Blood cotinine level	1	4.4.4
What is the level of exposure to volatile organic compounds?	Blood volatile organic compound levels	1	4.4.5
What is the level of exposure to pesticides?	Urine organophosphate levels to indicate pesticides	1	4.4.6
What is the level of exposure to persistent organic pollutants?	No Category 1 or 2 indicators identified		4.4.7
What are the trends in exposure to environmental pollutants for children?	Blood lead level in children	1	4.4.8
	Blood mercury level in children	1	4.4.8
	Blood cotinine level in children	1	4.4.8
What is the level of exposure to radiation?	No Category 1 or 2 indicators identified		4.4.9
What is the level of exposure to air pollutants?	No Category 1 or 2 indicators identified Also see Cleaner Air chapter		4.4.9
What is the level of exposure to biological pollutants?	No Category 1 or 2 indicators identified		4.4.9
What is the level of exposure to disinfection by-products?	No Category 1 or 2 indicators identified		4.4.9