



HEALTH IMPACTS				
Contaminant-Related Health Effects	# of Workers With Health Effects Due to Work or Non Work Exposures (of 89 million Total Indoor Workers in the US)	Severity	Frequency (Duration)	Estimated Potential Annual Reduction (% and #) in Health Effect From Improved Work Environments Among Indoor Workers
Communicable Respiratory Infections: Building-influenced, occupant sources (e.g. influenza, common cold, tuberculosis)	Influenza and common cold; 52 million cases; tuberculosis not in health care or prison settings; unknown	Usually moderate, fewer than 70,000 hospitalization and unqualified fatalities	~0.58 cases of common cold influenza per year among working age population (duration varies, days to months)	Estimated 10% to 14%; 5-7 million cases (estimate has substantial uncertainty)
Asthma, hypersensitivity pneumonitis and allergic disease	Asthma 4.7 million; allergies: 18 million	Allergies: mild to severe; asthma: mild to fatal	Asthma and allergies; many to all days per year (duration of both usually chronic)	Estimated 6% to 15%; asthma episodes among 0.3-0.7 million cases; allergy episodes among 1-3 million cases (estimates have substantial uncertainty)
Nonspecific building related symptoms (acute effects of indoor exposures or conditions, including so-called sick building syndrome)	35-60 million workers with one or more weekly building related symptoms (effect from work exposures only)	Usually mild to moderate	Often while at work (chronic with chronic exposure)	Unknown probably fairly high (e.g. >50%); legionnaires disease 1400-3000 cases, including >70 deaths; 100-600 lung infections: unknown
Respiratory infections: building sources (Legionnaires disease, Pontiac fever, fungal infections)	2700-6000 estimated cases per year of Legionnaires disease; unknown number of Pontiac fever and fungal infections cases	Legionnaires' disease: often severe, 5% to 15% of documented cases are fatal; Pontiac fever moderate; fungal infections: can be severe to life threatening	Legionnaires disease and Pontiac fever: usually once per lifetime (duration varies); fungal infections: varies	100%; 2000-11000 cardiovascular disease deaths; 100-600 lung cancer cases including 90-530 deaths
Health effects of environmental tobacco smoke	Among 10-30 million exposed, acute irritation, respirator effects, reproductive effects: unknown; cardiovascular effects: 2000-11000 deaths; lung cancer: 100-600	Acute irritation: mild to moderate; respiratory and reproductive effects: moderate to severe; cardiovascular effects: severe to fatal; lung cancer: fatal	Acute irritation with exposures; respiratory effects: chronic; cardiovascular effects and cancer: chronic, often fatal	\$30-\$140 million (costs of absence from work and other performance losses not estimated)

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