

SUPPLEMENTAL TABLE S1 Tabulated critical concentrations of culturable *L. pneumophila* associated with various risk benchmarks (PDF)

Fixture	Fixture type	Risk target value	Infection critical concentration			CSI critical concentration		
			Median	5th	95th	Median	5th	95th
Faucet	Conventional	10 ⁻⁴ annual	1.20×10 ²	5.54×10 ⁻¹	3.87×10 ⁴	1.04×10 ⁵	4.93×10 ²	3.22×10 ⁷
		10 ⁻⁴ per exposure	8.76×10 ⁵	4.05×10 ³	2.79×10 ⁸	7.49×10 ⁸	3.63×10 ⁶	2.38×10 ¹¹
		10 ^{-4/365f}	1.19×10 ²	5.54×10 ⁻¹	3.86×10 ⁴	1.02×10 ⁵	4.93×10 ²	3.23×10 ⁷
		10 ⁻⁶ DALY annual	1.23×10 ⁰	5.67×10 ⁻³	4.01×10 ²	1.06×10 ³	5.07×10 ⁰	3.30×10 ⁵
		10 ⁻⁶ DALY per exposure	9.04×10 ³	4.17×10 ¹	2.91×10 ⁶	7.71×10 ⁶	3.73×10 ⁴	2.44×10 ⁹
		10 ^{-6/365f} DALY per exposure	1.23×10 ⁰	5.71×10 ⁻³	4.01×10 ²	1.06×10 ³	5.06×10 ⁰	3.32×10 ⁵
Toilet-conv	Conventional	10 ⁻⁴ annual	1.03×10 ³	3.68×10 ²	3.24×10 ³	8.57×10 ⁵	4.01×10 ⁵	2.32×10 ⁶
		10 ⁻⁴ per exposure	1.88×10 ⁶	6.71×10 ⁵	5.91×10 ⁶	1.57×10 ⁹	7.31×10 ⁸	4.24×10 ⁹
		10 ^{-4/365f}	1.02×10 ³	3.67×10 ²	3.24×10 ³	8.59×10 ⁵	4.00×10 ⁵	2.32×10 ⁶
		10 ⁻⁶ DALY annual	1.06×10 ¹	3.78×10 ⁰	3.34×10 ¹	8.83×10 ³	4.13×10 ³	2.39×10 ⁴
		10 ⁻⁶ DALY per exposure	1.93×10 ⁴	6.91×10 ³	6.10×10 ⁴	1.62×10 ⁷	7.53×10 ⁶	4.37×10 ⁷
		10 ^{-6/365f} DALY per exposure	1.05×10 ¹	3.78×10 ⁰	3.34×10 ¹	8.84×10 ³	4.12×10 ³	2.39×10 ⁴
Toilet-eff	Efficient	10 ⁻⁴ annual	1.68×10 ³	4.30×10 ²	6.70×10 ³	1.44×10 ⁶	4.32×10 ⁵	4.93×10 ⁶
		10 ⁻⁴ per exposure	10 ⁶ 3.07×	7.83×10 ⁵	1.23×10 ⁷	2.62×10 ⁹	7.89×10 ⁸	9.00×10 ⁹
		10 ^{-4/365f}	1.68×10 ³	4.29×10 ²	6.72×10 ³	1.43×10 ⁶	4.32×10 ⁵	4.93×10 ⁶
		10 ⁻⁶ DALY annual	1.73×10 ¹	4.42×10 ⁰	6.92×10 ¹	1.48×10 ⁴	4.46×10 ³	5.09×10 ⁴
		10 ⁻⁶ DALY per exposure	3.16×10 ⁴	8.07×10 ³	1.27×10 ⁵	2.70×10 ⁷	8.13×10 ⁶	9.28×10 ⁷
		10 ^{-6/365f} DALY per exposure	1.73×10 ¹	4.42×10 ⁰	6.93×10 ¹	1.48×10 ⁴	4.46×10 ³	5.09×10 ⁴
Shower-conv	Conventional	10 ⁻⁴ annual	1.64×10 ⁰	5.15×10 ⁻¹	5.27×10 ⁰	1.41×10 ³	5.37×10 ²	3.74×10 ³
		10 ⁻⁴ per exposure	4.13×10 ²	1.30×10 ²	1.33×10 ³	3.53×10 ⁵	1.36×10 ⁵	9.40×10 ⁵
		10 ^{-4/365f}	1.63×10 ⁰	5.14×10 ⁻¹	5.26×10 ⁰	1.40×10 ³	5.37×10 ²	3.73×10 ³
		10 ⁻⁶ DALY annual	1.67×10 ⁻²	5.29×10 ⁻³	5.42×10 ⁻²	1.44×10 ¹	5.52×10 ⁰	3.85×10 ¹
		10 ⁻⁶ DALY per exposure	4.24×10 ⁰	1.34×10 ⁰	1.37×10 ¹	3.64×10 ³	1.40×10 ³	9.69×10 ³
		10 ^{-6/365f} DALY per exposure	1.68×10 ⁻²	5.27×10 ⁻³	5.40×10 ⁻²	1.44×10 ¹	5.51×10 ⁰	3.85×10 ¹
Shower-eff	Efficient	10 ⁻⁴ annual	7.26×10 ⁰	2.55×10 ⁰	2.16×10 ¹	6.20×10 ³	2.73×10 ³	1.51×10 ⁴
		10 ⁻⁴ per exposure	1.84×10 ³	6.42×10 ²	5.42×10 ³	1.57×10 ⁶	6.86×10 ⁵	3.79×10 ⁶
		10 ^{-4/365f}	7.26×10 ⁰	2.54×10 ⁰	2.15×10 ¹	6.20×10 ³	2.72×10 ³	1.50×10 ⁴
		10 ⁻⁶ DALY annual	7.47×10 ⁻²	2.61×10 ⁻²	2.21×10 ⁻¹	6.38×10 ¹	2.80×10 ¹	1.55×10 ²

		10^{-6} DALY per exposure	1.89×10^1	6.60×10^0	5.58×10^1	1.61×10^4	7.07×10^3	3.90×10^4
		$10^{-6/365f}$ DALY per exposure	7.45×10^{-2}	2.61×10^{-2}	2.22×10^{-1}	6.37×10^1	2.80×10^1	1.55×10^2
Total-conv	Conventional	10^{-4} annual	1.38×10^0	3.10×10^{-1}	4.68×10^0	1.20×10^3	3.11×10^2	3.35×10^3
		10^{-6} DALY annual	1.42×10^{-2}	3.17×10^{-3}	4.82×10^{-2}	1.23×10^1	3.19×10^0	3.45×10^1
Total-eff	Efficient	10^{-4} annual	5.32×10^0	4.99×10^{-1}	1.78×10^1	4.67×10^3	4.51×10^2	1.27×10^4
		10^{-6} DALY annual	5.46×10^{-2}	5.12×10^{-3}	1.82×10^{-1}	4.81×10^1	4.63×10^0	1.30×10^2