Economics of Clean

School Absenteeism Calculator

Improved classroom hygiene may reduce the incidence of illness and absenteeism, resulting in significant savings for your school.

STUDENT ABSENTEEISM

	Example	Your Organization
Total number of students	500[1]	
	X	X
Cost of absenteeism per day per student[2]	$70[2]	$70
	X	X
Average No. of days per year students are absent due to illness[3,4]	4.5	4.5
Total annual cost of absenteeism due to illness	$157,500	$
	X	X
Reduction in absenteeism[3,5]	46%	46%
Potential Savings	= $72,450	=

TEACHER ABSENTEEISM

	Example	Your Organization
Total number of teachers	31[5]	
	X	X
Cost of absenteeism per day per teacher	$105	
	X	X
Average No. of days per year teachers are absent due to illness[4]	5.3	5.3
Total annual cost of absenteeism due to illness	= $ 17,251	= $
	X	X
Reduction in absenteeism[3,5]	46%	46%
Potential Savings	= $ 7,936	= $

	$72,450 + $7,936	Potential Student Savings + Teacher Savings for your school
Total Potential Savings	= $ 80,386	=

According to the National Education Association, the germiest surfaces in schools include water fountain spigots, plastic reusable cafeteria trays and bathroom faucets[7].

A study conducted by Dr. Leonard Krilov at the Association for Children with Downs Syndrome School in Bellmore, New York discovered using volatile organic compounds to clean surfaces reduced days absent from school by 46%[4].

1. 500 Students is an estimate of the average number of students in a national public school. The Center for Educational Reform K-12 fact sheet indicates that as of 2012 there were 98,328 public schools with a total public school enrollment of 50,094,000.
2. This cost varies depending on the type of school, the state the school is in and other factors. The highest spending per pupil is in New York, with the spending per student per year being $19,818 in 2013. The lowest spending is in Utah, with an average spending of $6,555 per pupil in 2013. This roughly equates to $110 in New York ($19,818/180 school days in a year) and $36 in Utah ($6,555/180 school days in a year). For the purposes of this study, an example we will use is $70.
3. "How Dirty is your child's school?" ISSA
4. "Krilov Study Shows Health and Fiscal Impacts of Cleaning," CIRI Science [June 29th, 2008]
5. The National Center For Education Statistics indicates that as of 2013 the public school student to teacher ratio was 16.1:1, so for every 500 students there are approximately 31 teachers
6. National average for a substitute teacher is $105 per full day according to the National Substitute Teachers Alliance.
7. "Eek! There's a germ on my desk!" National Education Association

DO THE MATH. DO THE RIGHT THING FOR YOUR SCHOOL.

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Office Absenteeism Calculator

Illness costs money and takes a toll in countless ways on your business.

	Example	Your Organization
Total number of employees	**2,000**	
	x	**x**
Cost of illness absenteeism per employee	**$1,011[2]**	**$1,011**
Total annual cost of absenteeism due to illness	**= $2,022,000**	**= $**
	x	**x**
Reduction in absenteeism	**46%[3]**	**46%**
Potential Savings	**= $930,120**	**= $**

DO THE MATH. DO THE RIGHT THING.

Infectious diseases cost the U.S. $120 billion[1] and employers $225.8 billion[2] per year.

- On average, workplace absenteeism and presenteeism due to personal illness costs U.S. businesses $1,011 per employee per year.[2]
- A study conducted by Dr. Leonard Krilov at the Association for Children with Downs Syndrome School in Bellmore, New York discovered using volatile organic compounds to clean surfaces reduced days absent from school by 46%.

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1. "Blueprint for a Healthier America," Trust for America's Health [October 19, 2016].
2. "Work Illness and Injury Costs U.S. Employers $225.8 Billion Annually," CDC Foundation [January 28, 2015]. ($1,685 per employee x 60% due to worker illness)
3. "Krilov Study Shows Health and Fiscal Impacts of Cleaning," CIRI Science [June 29th, 2008]