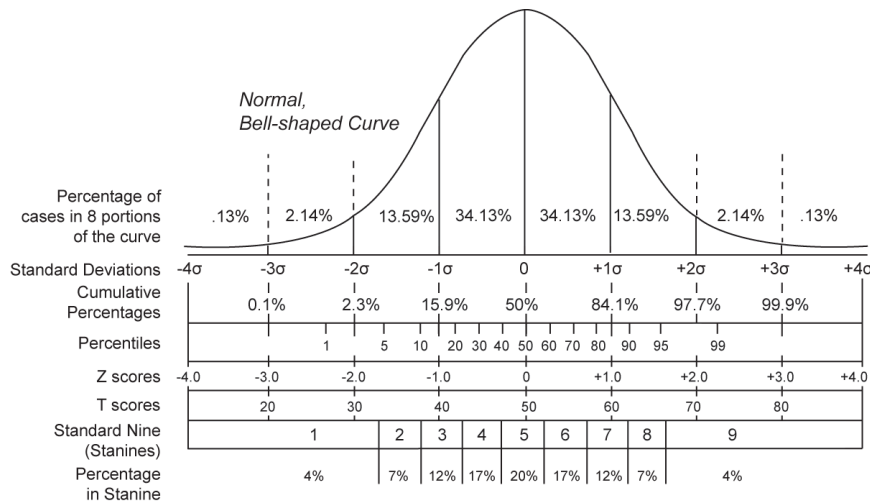


**Draft Columbus & Franklin County, OH Influenza indicator Intensity Designation Definition
(11/12/2010)**

To help determine how intense the current weeks Columbus & Franklin County, OH influenza indicator values are (are values low, high, similar, etc. to what we have seen in the past?), influenza intensity is calculated by comparing weekly indicator values to the distribution of weekly values during a baseline period. Intensity is based on selected weekly influenza indicator historical data available during the influenza monitoring seasons, except for the 2009-2010 pandemic season. The historical weekly indicator data is used to produce a distribution of values for the historical time period. Based on the average and standard deviation of the historical indicators distribution, the z-score (standard score indicates how many standard deviations an observation or datum is above or below the mean) for the current week's value is calculated along with the location under the normal distribution curve of the historical values. The following table shows the z-score, corresponding proportion under the curve, and corresponding influenza intensity level.



Intensity	From*	To*	Z-score
High	0.9999682	1.0000000	>=4
	0.9986502	0.9999682	3 to 4
	0.9772497	0.9986502	2 to 3
Moderate	0.9331930	0.9772497	1.5 to 2
	0.8413450	0.9331930	1 to 1.5
Low	0.5000000	0.8413450	0 to 1
	0.1586550	0.5000000	-1 to 0
Minimal	0.0227500	0.1586550	-2 to -1
	0.0013490	0.0227500	-3 to -2
	0	0.0013490	<-3

*Proportion under normal curve

