

**Standard Normal TABLE P(Z < z)**

<b>z</b>	<b>.00</b>	<b>.01</b>	<b>.02</b>	<b>.03</b>	<b>.04</b>	<b>.05</b>	<b>.06</b>	<b>.07</b>	<b>.08</b>	<b>.09</b>
<b>0.0</b>	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
<b>0.1</b>	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
<b>0.2</b>	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141
<b>0.3</b>	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
<b>0.4</b>	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
<b>0.5</b>	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
<b>0.6</b>	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
<b>0.7</b>	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
<b>0.8</b>	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
<b>0.9</b>	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
<b>1.0</b>	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
<b>1.1</b>	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
<b>1.2</b>	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
<b>1.3</b>	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
<b>1.4</b>	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319
<b>1.5</b>	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
<b>1.6</b>	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
<b>1.7</b>	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
<b>1.8</b>	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706
<b>1.9</b>	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
<b>2.0</b>	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817
<b>2.1</b>	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857
<b>2.2</b>	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890
<b>2.3</b>	.9893	.9896	.9898	.9901	.9904	.9906	.9909	.9911	.9913	.9916
<b>2.4</b>	.9918	.9920	.9922	.9925	.9927	.9929	.9931	.9932	.9934	.9936
<b>2.5</b>	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
<b>2.6</b>	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
<b>2.7</b>	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
<b>2.8</b>	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
<b>2.9</b>	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.9986	.9986
<b>3.0</b>	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
<b>3.1</b>	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
<b>3.2</b>	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
<b>3.3</b>	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
<b>3.4</b>	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998

For z values greater than 3.49, use 1.000 to approximate the area.

<b>(b) Confidence Interval, Critical Values <math>z_c</math></b>	
<b>Level of Confidence c</b>	<b>Critical Value <math>z_c</math></b>
0.85, or 85%	1.44
0.90, or 90%	1.645
0.95, or 95%	1.96
0.99, or 99%	2.58

<b>(c) Hypothesis Testing, Critical Values <math>z_0</math></b>			
<b>Level of Significance</b>	<b><math>\alpha = 0.05</math></b>	<b><math>\alpha = 0.01</math></b>	<b><math>\alpha = 0.1</math></b>
Critical value for a left-tailed test	-1.645	-2.33	-1.28
Critical value for a right-tailed test	1.645	2.33	1.28
Critical value for a two-tailed test	$\pm 1.96$	$\pm 2.58$	$\pm 1.645$