



**THE DISTRIBUTION FUNCTION $\Phi(z)$ OF
THE NORMAL DISTRIBUTION $N(0, 1)$**

z	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9	ADD
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359	4	8	12	16	20	24	28	32	36	
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753	4	8	12	16	20	24	28	32	36	
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6064	.6103	.6141	4	8	12	15	19	23	27	31	35	
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517	4	7	11	15	19	22	26	30	34	
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879	4	7	11	14	18	22	25	29	32	
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224	3	7	10	14	17	20	24	27	31	
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549	3	7	10	13	16	19	23	26	29	
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852	3	6	9	12	15	18	21	24	27	
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133	3	5	8	11	14	16	19	22	25	
0.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389	3	5	8	10	13	15	18	20	23	
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621	2	5	7	9	12	14	16	19	21	
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830	2	4	6	8	10	12	14	16	18	
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015	2	4	6	7	9	11	13	15	17	
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177	2	3	5	6	8	10	11	13	14	
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9279	.9292	.9306	.9319	1	3	4	6	7	8	10	11	13	
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441	1	2	4	5	6	7	8	10	11	
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545	1	2	3	4	5	6	7	8	9	
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633	1	2	3	4	4	5	6	7	8	
1.8	.9641	.9649	.9656	.9664	.9671	.9678	.9686	.9693	.9699	.9706	1	1	2	3	4	4	5	6	6	
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767	1	1	2	2	3	4	4	5	5	
2.0	.9772	.9778	.9783	.9788	.9793	.9798	.9803	.9808	.9812	.9817	0	1	1	2	2	3	3	4	4	
2.1	.9821	.9826	.9830	.9834	.9838	.9842	.9846	.9850	.9854	.9857	0	1	1	2	2	2	3	3		
2.2	.9861	.9864	.9868	.9871	.9875	.9878	.9881	.9884	.9887	.9890	0	1	1	1	2	2	2	3		
2.3	.9893	.9896	.9898								0	1	1	1	1	2	2	2		
											3	5	8	10	13	15	18	20	23	
2.4	.99180	.99202	.99224	.99245	.99266						2	5	7	9	12	14	16	18	21	
						.99286	.99305	.99324	.99343	.99361	2	4	6	8	11	13	15	17	19	
2.5	.99379	.99396	.99413	.99430	.99446	.99461	.99477	.99492	.99506	.99520	2	3	5	6	8	9	11	12	14	
2.6	.99534	.99547	.99560	.99573	.99585	.99598	.99609	.99621	.99632	.99643	1	2	3	5	6	7	8	9	10	
2.7	.99653	.99664	.99674	.99683	.99693	.99702	.99711	.99720	.99728	.99736	1	2	3	4	5	6	7	8	9	
2.8	.99744	.99752	.99760	.99767	.99774	.99781	.99788	.99795	.99801	.99807	1	1	2	3	4	4	5	6	6	
2.9	.99813	.99819	.99825	.99831	.99836	.99841	.99846	.99851	.99856	.99861	0	1	1	2	2	3	3	4	4	
3.0	.99865	.99869	.99874	.99878	.99882	.99886	.99889	.99893	.99896	.99900	0	1	1	2	2	2	3	3	4	
3.1	.9 ³ 032	.9 ³ 065	.9 ³ 096		.9 ³ 126	.9 ³ 155	.9 ³ 184	.9 ³ 211			3	6	9	13	16	19	22	25	28	
											3	6	8	11	14	17	20	22		
3.2	.9 ³ 313	.9 ³ 336	.9 ³ 359	.9 ³ 381	.9 ³ 402						2	4	7	9	11	13	15	18	20	
						.9 ³ 423	.9 ³ 443	.9 ³ 462	.9 ³ 481	.9 ³ 499	2	4	6	8	9	11	13	15	17	
3.3	.9 ³ 517	.9 ³ 534	.9 ³ 550	.9 ³ 566	.9 ³ 581						2	3	5	6	8	10	11	13	14	
						.9 ³ 596	.9 ³ 610	.9 ³ 624	.9 ³ 638	.9 ³ 651	1	3	4	5	7	8	9	10	12	
3.4	.9 ³ 663	.9 ³ 675	.9 ³ 687	.9 ³ 698	.9 ³ 709	.9 ³ 720	.9 ³ 730	.9 ³ 740	.9 ³ 749	.9 ³ 758	1	2	3	4	5	6	7	8	9	
3.5	.9 ³ 767	.9 ³ 776	.9 ³ 784	.9 ³ 792	.9 ³ 800	.9 ³ 807	.9 ³ 815	.9 ³ 822	.9 ³ 828	.9 ³ 835	1	1	2	3	4	4	5	6	7	
3.6	.9 ³ 841	.9 ³ 847	.9 ³ 853	.9 ³ 858	.9 ³ 864	.9 ³ 869	.9 ³ 874	.9 ³ 879	.9 ³ 883	.9 ³ 888	0	1	1	2	2	3	3	4	5	
3.7	.9 ³ 892	.9 ³ 896	.9 ³ 90	.9 ³ 04	.9 ⁴ 08	.9 ⁴ 12	.9 ⁴ 15	.9 ⁴ 18	.9 ⁴ 22	.9 ⁴ 250										
3.8	.9 ⁴ 28	.9 ⁴ 31	.9 ⁴ 33	.9 ⁴ 36	.9 ⁴ 38	.9 ⁴ 41	.9 ⁴ 43	.9 ⁴ 46	.9 ⁴ 48	.9 ⁴ 500										
3.9	.9 ⁴ 52	.9 ⁴ 54	.9 ⁴ 56	.9 ⁴ 58	.9 ⁴ 59	.9 ⁴ 61	.9 ⁴ 63	.9 ⁴ 64	.9 ⁴ 66	.9 ⁴ 670										

For negative values of z use $\Phi(z) = 1 - \Phi(-z)$