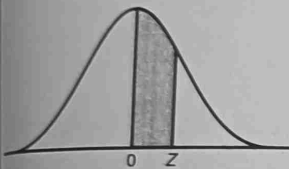


# APPENDIX F

## AREAS OF A STANDARD NORMAL DISTRIBUTION



An entry in the table is the proportion under the entire curve that is between  $Z = 0$  and a positive value of  $Z$ . Areas for negative values of  $Z$  are obtained by symmetry. The areas correspond to probabilities. Thus the area between  $Z = 0$  and  $Z = 2$  is .4772, which leads to a probability of  $.5000 - .4772 = .0228$  that  $Z$  will be larger than 2 in a normally distributed population. By symmetry, the probability that  $Z$  is less than  $-2$  is  $.5000 - .4772 = .0228$ .

Z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
.0	.0000	.0040	.0080	.0120	.0160	.0199	.0239	.0279	.0319	.0359
.1	.0398	.0438	.0478	.0517	.0557	.0596	.0636	.0675	.0714	.0753
.2	.0793	.0832	.0871	.0910	.0948	.0987	.1026	.1064	.1103	.1141
.3	.1179	.1217	.1255	.1293	.1331	.1368	.1406	.1443	.1480	.1517
.4	.1554	.1591	.1628	.1664	.1700	.1736	.1772	.1808	.1844	.1879
.5	.1915	.1950	.1985	.2019	.2054	.2088	.2123	.2157	.2190	.2234
.6	.2257	.2291	.2324	.2357	.2389	.2422	.2454	.2486	.2517	.2549
.7	.2580	.2614	.2642	.2673	.2703	.2734	.2764	.2794	.2823	.2852
.8	.2881	.2910	.2939	.2967	.2995	.3023	.3051	.3078	.3106	.3133
.9	.3159	.3186	.3212	.3238	.3264	.3289	.3315	.3340	.3365	.3389
1.0	.3413	.3438	.3461	.3485	.3508	.3531	.3554	.3577	.3599	.3621
1.1	.3643	.3665	.3686	.3708	.3729	.3749	.3770	.3790	.3810	.3830
1.2	.3849	.3869	.3888	.3907	.3925	.3944	.3962	.3980	.3997	.4015
1.3	.4032	.4049	.4066	.4082	.4099	.4115	.4131	.4147	.4162	.4177
1.4	.4192	.4207	.4222	.4236	.4251	.4265	.4279	.4292	.4306	.4319

Z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
1.5	.4332	.4345	.4357	.4370	.4382	.4394	.4406	.4418	.4429	.4441
1.6	.4452	.4463	.4474	.4484	.4495	.4505	.4515	.4525	.4535	.4545
1.7	.4554	.4564	.4573	.4582	.4591	.4599	.4608	.4616	.4625	.4633
1.8	.4641	.4649	.4656	.4664	.4671	.4678	.4686	.4693	.4699	.4706
1.9	.4713	.4719	.4726	.4732	.4738	.4744	.4750	.4756	.4761	.4767
2.0	.4772	.4778	.4783	.4788	.4793	.4798	.4803	.4808	.4812	.4817
2.1	.4821	.4826	.4830	.4834	.4838	.4842	.4846	.4850	.4854	.4857
2.2	.4861	.4864	.4868	.4871	.4875	.4878	.4881	.4884	.4887	.4890
2.3	.4893	.4896	.4898	.4901	.4904	.4906	.4909	.4911	.4913	.4916
2.4	.4918	.4920	.4922	.4925	.4927	.4929	.4931	.4932	.4934	.4936
2.5	.4938	.4940	.4941	.4943	.4945	.4946	.4948	.4949	.4951	.4952
2.6	.4953	.4955	.4956	.4957	.4959	.4960	.4961	.4962	.4963	.4964
2.7	.4965	.4966	.4967	.4968	.4969	.4970	.4971	.4972	.4973	.4974
2.8	.4974	.4975	.4976	.4977	.4977	.4978	.4979	.4979	.4980	.4981
2.9	.4981	.4982	.4982	.4983	.4984	.4984	.4985	.4985	.4986	.4986
3.0	.4987	.4987	.4987	.4988	.4988	.4989	.4989	.4989	.4990	.4990

The area under the normal curve to the left of a given Z value is the proportion of the area under the curve to the left of Z. The area to the right of Z is the proportion of the area under the curve to the right of Z. The area between Z and the mean is the proportion of the area under the curve between Z and the mean. The area to the left of Z is the proportion of the area under the curve to the left of Z. The area to the right of Z is the proportion of the area under the curve to the right of Z. The area between Z and the mean is the proportion of the area under the curve between Z and the mean. The area to the left of Z is the proportion of the area under the curve to the left of Z. The area to the right of Z is the proportion of the area under the curve to the right of Z. The area between Z and the mean is the proportion of the area under the curve between Z and the mean.

.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
.0000	.0040	.0080	.0120	.0160	.0200	.0240	.0280	.0320	.0360
.0400	.0440	.0480	.0520	.0560	.0600	.0640	.0680	.0720	.0760
.0800	.0840	.0880	.0920	.0960	.1000	.1040	.1080	.1120	.1160
.1200	.1240	.1280	.1320	.1360	.1400	.1440	.1480	.1520	.1560
.1600	.1640	.1680	.1720	.1760	.1800	.1840	.1880	.1920	.1960
.2000	.2040	.2080	.2120	.2160	.2200	.2240	.2280	.2320	.2360
.2400	.2440	.2480	.2520	.2560	.2600	.2640	.2680	.2720	.2760
.2800	.2840	.2880	.2920	.2960	.3000	.3040	.3080	.3120	.3160
.3200	.3240	.3280	.3320	.3360	.3400	.3440	.3480	.3520	.3560
.3600	.3640	.3680	.3720	.3760	.3800	.3840	.3880	.3920	.3960
.4000	.4040	.4080	.4120	.4160	.4200	.4240	.4280	.4320	.4360
.4400	.4440	.4480	.4520	.4560	.4600	.4640	.4680	.4720	.4760
.4800	.4840	.4880	.4920	.4960	.5000	.5040	.5080	.5120	.5160
.5200	.5240	.5280	.5320	.5360	.5400	.5440	.5480	.5520	.5560
.5600	.5640	.5680	.5720	.5760	.5800	.5840	.5880	.5920	.5960
.6000	.6040	.6080	.6120	.6160	.6200	.6240	.6280	.6320	.6360
.6400	.6440	.6480	.6520	.6560	.6600	.6640	.6680	.6720	.6760
.6800	.6840	.6880	.6920	.6960	.7000	.7040	.7080	.7120	.7160
.7200	.7240	.7280	.7320	.7360	.7400	.7440	.7480	.7520	.7560
.7600	.7640	.7680	.7720	.7760	.7800	.7840	.7880	.7920	.7960
.8000	.8040	.8080	.8120	.8160	.8200	.8240	.8280	.8320	.8360
.8400	.8440	.8480	.8520	.8560	.8600	.8640	.8680	.8720	.8760
.8800	.8840	.8880	.8920	.8960	.9000	.9040	.9080	.9120	.9160
.9200	.9240	.9280	.9320	.9360	.9400	.9440	.9480	.9520	.9560
.9600	.9640	.9680	.9720	.9760	.9800	.9840	.9880	.9920	.9960
.9900	.9940	.9980	.9990	.9995	.9997	.9998	.9999	.9999	.9999