

**ONE-SIDED 90% CONFIDENCE INTERVAL HALF-WIDTHS (%)
FOR THE BINOMIAL DISTRIBUTION**

SAMPLE SIZE													
%	100	150	200	250	300	350	400	450	500	550	600	650	700
1	1.8	1.4	1.2	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6	0.6
2	2.3	1.8	1.5	1.3	1.2	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8
3	2.7	2.1	1.8	1.6	1.4	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9
4	3.0	2.4	2.0	1.8	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.1	1.0
5	3.3	2.6	2.2	2.0	1.8	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1
6	3.6	2.8	2.4	2.1	1.9	1.8	1.6	1.5	1.5	1.4	1.3	1.3	1.2
7	3.8	3.0	2.6	2.3	2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3
8	4.0	3.2	2.7	2.4	2.2	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4
9	4.2	3.3	2.8	2.5	2.3	2.1	2.0	1.8	1.7	1.7	1.6	1.5	1.5
10	4.4	3.5	3.0	2.6	2.4	2.2	2.0	1.9	1.8	1.7	1.7	1.6	1.5
11	4.5	3.6	3.1	2.7	2.5	2.3	2.1	2.0	1.9	1.8	1.7	1.7	1.6
12	4.7	3.7	3.2	2.8	2.6	2.4	2.2	2.1	2.0	1.9	1.8	1.7	1.6
13	4.8	3.9	3.3	2.9	2.7	2.4	2.3	2.1	2.0	1.9	1.8	1.8	1.7
14	5.0	4.0	3.4	3.0	2.7	2.5	2.4	2.2	2.1	2.0	1.9	1.8	1.8
15	5.1	4.1	3.5	3.1	2.8	2.6	2.4	2.3	2.1	2.0	2.0	1.9	1.8
16	5.2	4.2	3.6	3.2	2.9	2.7	2.5	2.3	2.2	2.1	2.0	1.9	1.8
17	5.3	4.3	3.7	3.3	3.0	2.7	2.5	2.4	2.3	2.1	2.1	2.0	1.9
18	5.4	4.4	3.7	3.3	3.0	2.8	2.6	2.4	2.3	2.2	2.1	2.0	1.9
19	5.6	4.5	3.8	3.4	3.1	2.8	2.6	2.5	2.4	2.2	2.1	2.1	2.0
20	5.7	4.5	3.9	3.4	3.1	2.9	2.7	2.5	2.4	2.3	2.2	2.1	2.0
21	5.7	4.6	4.0	3.5	3.2	2.9	2.7	2.6	2.4	2.3	2.2	2.1	2.0
22	5.8	4.7	4.0	3.6	3.2	3.0	2.8	2.6	2.5	2.4	2.3	2.2	2.1
23	5.9	4.8	4.1	3.6	3.3	3.0	2.8	2.7	2.5	2.4	2.3	2.2	2.1
24	6.0	4.8	4.1	3.7	3.3	3.1	2.9	2.7	2.6	2.4	2.3	2.2	2.1
25	6.1	4.9	4.2	3.7	3.4	3.1	2.9	2.7	2.6	2.5	2.4	2.3	2.2
26	6.1	4.9	4.2	3.8	3.4	3.2	2.9	2.8	2.6	2.5	2.4	2.3	2.2
27	6.2	5.0	4.3	3.8	3.5	3.2	3.0	2.8	2.6	2.5	2.4	2.3	2.2
28	6.3	5.0	4.3	3.8	3.5	3.2	3.0	2.8	2.7	2.5	2.4	2.3	2.2
29	6.3	5.1	4.4	3.9	3.5	3.3	3.0	2.9	2.7	2.6	2.5	2.4	2.3
30	6.4	5.1	4.4	3.9	3.6	3.3	3.1	2.9	2.7	2.6	2.5	2.4	2.3
31	6.5	5.2	4.5	4.0	3.6	3.3	3.1	2.9	2.8	2.6	2.5	2.4	2.3
32	6.5	5.2	4.5	4.0	3.6	3.3	3.1	2.9	2.8	2.6	2.5	2.4	2.3
33	6.6	5.3	4.5	4.0	3.7	3.4	3.1	3.0	2.8	2.7	2.5	2.4	2.4
34	6.6	5.3	4.6	4.0	3.7	3.4	3.2	3.0	2.8	2.7	2.6	2.5	2.4
35	6.6	5.3	4.6	4.1	3.7	3.4	3.2	3.0	2.9	2.7	2.6	2.5	2.4
36	6.7	5.4	4.6	4.1	3.7	3.4	3.2	3.0	2.8	2.7	2.6	2.5	2.4
37	6.7	5.4	4.6	4.1	3.7	3.5	3.2	3.0	2.9	2.7	2.6	2.5	2.4
38	6.8	5.4	4.7	4.1	3.8	3.5	3.2	3.0	2.9	2.7	2.6	2.5	2.4
39	6.8	5.5	4.7	4.2	3.8	3.5	3.3	3.1	2.9	2.8	2.6	2.5	2.4
40	6.8	5.5	4.7	4.2	3.8	3.5	3.3	3.1	2.9	2.8	2.6	2.5	2.4
45	6.9	5.6	4.8	4.2	3.9	3.6	3.3	3.1	3.0	2.8	2.7	2.6	2.5
50	6.9	5.6	4.8	4.3	3.9	3.6	3.3	3.1	3.0	2.8	2.7	2.6	2.5