

## Predicted Winning Times for the 2004 Olympic Swimming Events

Men's Events	Predicted Mean Top 8	± S.D.	Winning Time	95% Conf. Int.		World Record
				Lower	Upper	
50 Free	:22.09	0.10	<b>:21.70</b>	:21.60	:21.80	:21.64
100 Free	:48.80	0.08	<b>:48.07</b>	:47.99	:48.15	:47.84
200 Free	1:46.95	0.54	<b>1:45.20</b>	1:44.66	1:45.74	1:44.06
400 Free	3:45.99	2.14	<b>3:43.13</b>	3:40.99	3:45.27	3:40.08
1500 Free	15:01.19	3.13	<b>14:44.93</b>	14:41.80	14:48.06	14:34.56
100 Back	:54.66	0.13	<b>:53.65</b>	:53.52	:53.77	:53.60
200 Back	1:58.59	1.14	<b>1:56.60</b>	1:55.95	1:57.74	1:55.15
100 Breast	1:00.84	0.12	<b>1:00.07</b>	:59.95	1:00.19	:59.78
200 Breast	2:12.35	0.91	<b>2:10.15</b>	2:09.24	2:11.05	2:09.42
100 Fly	:52.47	0.29	<b>:51.75</b>	:51.46	:52.04	:50.98
200 Fly	1:56.98	0.56	<b>1:55.19</b>	1:54.64	1:55.75	1:53.93
200 IM	2:00.58	0.28	<b>1:58.51</b>	1:58.23	1:58.79	1:55.94
400 IM	4:15.65	0.41	<b>4:11.44</b>	4:11.04	4:11.85	4:09.09

Women's Events	Predicted Mean Top 8	± S.D.	Winning Time	95% Conf. Int.		World Record
				Lower	Upper	
50 Free	:24.89	0.09	<b>:24.37</b>	:24.28	:24.46	:24.13
100 Free	:54.66	0.13	<b>:53.78</b>	:53.65	:53.91	:53.77
200 Free	1:59.07	0.36	<b>1:57.49</b>	1:57.12	1:57.85	1:56.64
400 Free	4:08.94	0.84	<b>4:04.54</b>	4:03.70	4:05.38	4:03.85
800 Free	8:28.84	3.32	<b>8:19.43</b>	8:16.10	8:22.75	8:16.22
100 Back	1:01.17	0.37	<b>:59.84</b>	:59.47	1:00.21	:59.58
200 Back	2:10.87	0.84	<b>2:07.17</b>	2:06.33	2:08.02	2:06.62
100 Breast	1:08.17	0.38	<b>1:06.83</b>	1:06.45	1:07.20	1:06.37
200 Breast	2:24.74	0.92	<b>2:22.60</b>	2:21.68	2:23.52	<b>2:22.99</b>
100 Fly	:58.55	0.39	<b>:57.38</b>	:56.99	:57.77	:56.61
200 Fly	2:08.11	0.54	<b>2:05.91</b>	2:05.37	2:06.45	2:05.78
200 IM	2:13.67	0.57	<b>2:10.85</b>	2:10.28	2:11.41	2:09.72
400 IM	4:41.63	1.25	<b>4:35.42</b>	4:34.18	4:36.67	4:33.59

### Legend:

- Column A Event
- Column B Predicted mean time for the Olympic finalists (top 8)  
Times are predicted based on a power curve that fits finalist times for Olympic events going back at least 20 years.
- Column C Standard deviation of the mean listed in Column B
- Column D Predicted winning time for the Olympics  
Time is predicted by using the average number of standard deviations below the mean from Column B for the winner over the past 20 years.
- Columns E and F Upper and Lower limits of the 95% Confidence Interval for the predicted winning time
- Column G Current World Record  
Shaded area indicates that the Lower Limit of the 95% Confidence Interval is faster than the World Record
- Bold** for 200 Br Women indicates that the predicted time is faster than the World Record