

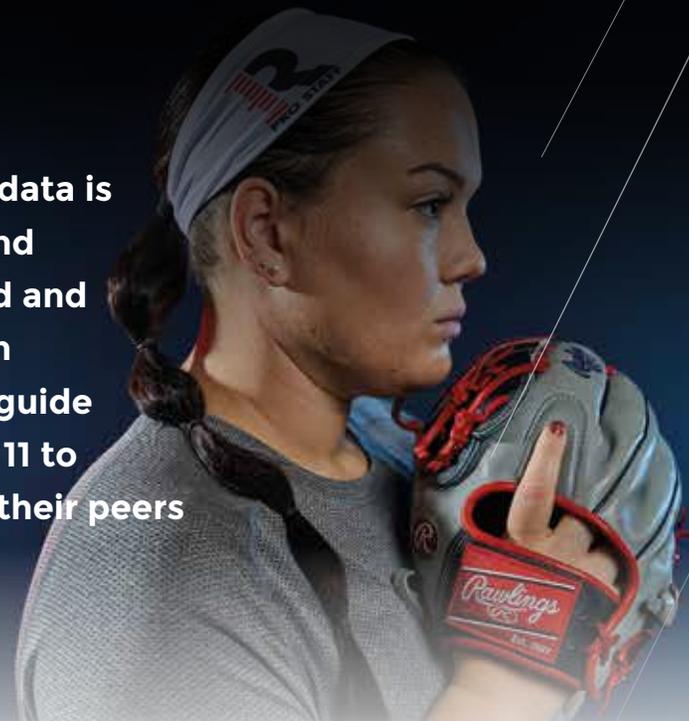
Rapsodo[®]

SOFTBALL PITCHING AVERAGES BY AGE





Rapsodo is on a mission to help athletes reach their full potential. Our data is trusted by coaches and recruiters alike for both player development and evaluation. Over the years, we've analyzed more than 20 million batted and pitched balls collected by Rapsodo Softball technology. We have taken that data and created a Softball Pitching Averages by Age Guide. This guide provides a player development pathway for softball players from ages 11 to professional. Softball pitchers can now see how they stack up against their peers and can get on the right track to take their game to the next level!



125K

Players

900+

Colleges

90%

Of DI Softball
Champions

measure to master.

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AVERAGES: 11-12 YEAR OLDS

● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)			
RH	48.374	LH	46.222
RH	49.499	LH	43.372
RH	40.466	LH	38.621
RH	46.625	LH	44.799
RH	46.373	LH	44.329
RH	47.504	LH	46.778

HORIZONTAL BREAK (IN.)			
RH	0.423	LH	0.082
RH	0.633	LH	0.777
RH	0.180	LH	-0.475
RH	-0.065	LH	-0.115
RH	0.334	LH	-0.035
RH	-0.182	LH	0.455

SPIN RATE (RPM)			
RH	923.252	LH	855.884
RH	1027.136	LH	808.582
RH	816.392	LH	853.902
RH	878.562	LH	748.607
RH	892.826	LH	976.593
RH	938.789	LH	900.341

VERTICAL BREAK (IN.)			
RH	-1.537	LH	-2.596
RH	-1.103	LH	0.646
RH	0.287	LH	-2.422
RH	-0.785	LH	-2.226
RH	-2.203	LH	-3.073
RH	-1.148	LH	-1.331

SPIN EFFICIENCY (%)			
RH	66.842	LH	65.863
RH	63.100	LH	65.230
RH	69.314	LH	75.807
RH	57.177	LH	57.444
RH	73.038	LH	72.126
RH	58.725	LH	54.730

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SPEED
37.5 MPH

SPIN
327 RPM

TRUE SPIN
243 RPM

SPIN EFFICIENCY
74%

H. & V. BREAK (in)
2.4 / 1.2

SPIN AXIS
2H : 20M

PITCH TYPE & COUNT
FB 2

measure to master.

AVERAGES: 13-14 YEAR OLDS

● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)			
RH	52.103	LH	51.992
RH	52.034	LH	49.705
RH	42.728	LH	42.812
RH	50.710	LH	49.154
RH	50.783	LH	50.007
RH	51.708	LH	51.578

HORIZONTAL BREAK (IN.)			
RH	-0.622	LH	1.391
RH	-1.282	LH	1.624
RH	-1.160	LH	0.874
RH	-0.727	LH	-0.199
RH	-0.900	LH	0.593
RH	-0.768	LH	0.995

SPIN RATE (RPM)			
RH	987.685	LH	955.991
RH	1019.210	LH	995.823
RH	895.577	LH	938.282
RH	963.577	LH	949.128
RH	976.819	LH	931.860
RH	1033.573	LH	1068.611

VERTICAL BREAK (IN.)			
RH	-2.122	LH	-3.825
RH	-0.292	LH	-1.504
RH	-0.163	LH	-0.741
RH	-0.951	LH	-1.266
RH	-0.3.085	LH	-4.032
RH	-0.512	LH	0.015

SPIN EFFICIENCY (%)			
RH	64.902	LH	64.586
RH	60.664	LH	62.079
RH	72.269	LH	71.680
RH	59.049	LH	59.331
RH	70.880	LH	71.150
RH	55.413	LH	63.975

Rapsodo

SPEED
50.3 MPH

SPIN
651 RPM

TRUE SPIN
635 RPM

SPIN EFFICIENCY
97%

H. & V. BREAK (in)
-3.0 / -6.8

SPIN AXIS
6H : 52M

PITCH TYPE & COUNT
FB 13

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"Rapsodo gives me spin direction, video, and metrics to help me and my pitchers understand why good pitches move and bad pitches don't."

Cindy Bristow
Softball Excellence



AVERAGES: 15-16 YEAR OLDS

● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)			
RH	55.350	LH	53.674
RH	53.947	LH	53.358
RH	44.188	LH	43.644
RH	52.972	LH	51.477
RH	53.120	LH	51.906
RH	53.662	LH	52.275

HORIZONTAL BREAK (IN.)			
RH	-0.573	LH	1.213
RH	-1.429	LH	0.365
RH	-1.599	LH	0.596
RH	-1.062	LH	0.456
RH	-0.728	LH	1.281
RH	-0.973	LH	0.542

SPIN RATE (RPM)			
RH	1025.640	LH	938.281
RH	1066.260	LH	1076.043
RH	897.761	LH	781.265
RH	1001.845	LH	919.049
RH	995.173	LH	954.437
RH	1078.671	LH	895.158

VERTICAL BREAK (IN.)			
RH	-2.169	LH	-3.336
RH	-0.782	LH	-1.216
RH	-0.280	LH	-0.870
RH	0.704	LH	-1.936
RH	-3.250	LH	-3.942
RH	-0.711	LH	-0.531

SPIN EFFICIENCY (%)			
RH	66.265	LH	67.444
RH	61.341	LH	59.421
RH	73.791	LH	69.636
RH	56.235	LH	61.655
RH	69.552	LH	72.711
RH	55.782	LH	58.311



SPEED
50.9 MPH

SPIN
880 RPM

TRUE SPIN
657 RPM

SPIN EFFICIENCY
74%

H. & V. BREAK (in)
-4.1 / -7.6

SPIN AXIS
6H : 40M

PITCH TYPE & COUNT
FB 10

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AVERAGES: 17-18 YEAR OLDS

● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)			
RH	56.756	LH	58.630
RH	56.823	LH	56.573
RH	45.483	LH	47.816
RH	55.966	LH	56.878
RH	56.567	LH	56.848
RH	56.133	LH	57.026

HORIZONTAL BREAK (IN.)			
RH	-0.147	LH	-0.581
RH	-0.884	LH	0.331
RH	-0.536	LH	-0.113
RH	-0.394	LH	0.115
RH	-0.340	LH	0.735
RH	0.093	LH	0.859

SPIN RATE (RPM)			
RH	1035.939	LH	966.500
RH	1041.550	LH	1012.450
RH	872.791	LH	883.800
RH	1050.289	LH	965.521
RH	976.412	LH	987.466
RH	1070.918	LH	1062.416

VERTICAL BREAK (IN.)			
RH	-1.799	LH	-1.401
RH	-0.107	LH	-0.618
RH	-0.047	LH	-0.503
RH	0.630	LH	-0.095
RH	-2.852	LH	-2.307
RH	0.588	LH	2.398

SPIN EFFICIENCY (%)			
RH	59.932	LH	56.621
RH	56.470	LH	60.424
RH	72.008	LH	71.445
RH	54.370	LH	51.415
RH	68.697	LH	71.001
RH	52.002	LH	54.214

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SPEED
54.8 MPH

SPIN
1448 RPM

TRUE SPIN
1414 RPM

SPIN EFFICIENCY
97%

H. & V. BREAK (in)
-11.9 / 0.1

SPIN AXIS
8H : 58M

PITCH TYPE & COUNT
FB 5

measure to master.

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"Rapsodo has become a vital part of our recruiting strategy. With our inability to travel to see players this year, we have relied heavily on Rapsodo data and video to gauge our recruits' levels of performance."

JT Gasso
Assistant Coach, University of Oklahoma

AVERAGES: COLLEGE LEVEL

● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)			
RH	57.368	LH	57.973
RH	56.208	LH	58.006
RH	46.092	LH	46.985
RH	55.478	LH	57.918
RH	56.610	LH	57.508
RH	56.295	LH	58.472

HORIZONTAL BREAK (IN.)			
RH	-1.164	LH	0.530
RH	-3.544	LH	1.952
RH	-3.544	LH	0.968
RH	-2.015	LH	0.899
RH	-1.925	LH	2.502
RH	-1.332	LH	0.650

SPIN RATE (RPM)			
RH	1056.263	LH	1096.216
RH	1123.687	LH	1072.801
RH	933.691	LH	867.875
RH	1096.482	LH	1071.275
RH	1008.927	LH	972.321
RH	1169.059	LH	1001.883

VERTICAL BREAK (IN.)			
RH	-1.034	LH	-0.703
RH	2.332	LH	3.249
RH	0.600	LH	1.143
RH	2.605	LH	3.079
RH	-3.190	LH	-0.784
RH	2.852	LH	1.906

SPIN EFFICIENCY (%)			
RH	63.497	LH	52.955
RH	63.531	LH	52.801
RH	76.745	LH	68.090
RH	62.283	LH	44.897
RH	71.078	LH	62.553
RH	56.259	LH	41.225

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SPEED
55.9 MPH

SPIN
1001 RPM

TRUE SPIN
458 RPM

SPIN EFFICIENCY
45%

H. & V. BREAK (in)
2.4 / 4.6

SPIN AXIS
OH : 40M

PITCH TYPE & COUNT
CB 21

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AVERAGES: PRO LEVEL

● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)			
RH	58.608	LH	59.860
RH	59.665	LH	59.818
RH	45.873	LH	49.884
RH	56.298	LH	59.157
RH	59.796	LH	58.904
RH	60.328	LH	60.564

HORIZONTAL BREAK (IN.)			
RH	-1.752	LH	-0.085
RH	-2.345	LH	7.677
RH	-3.095	LH	5.810
RH	-2.183	LH	1.999
RH	-2.969	LH	1.120
RH	-1.819	LH	5.223

SPIN RATE (RPM)			
RH	1059.881	LH	1240.445
RH	1218.253	LH	1362.319
RH	868.749	LH	704.588
RH	1111.435	LH	1278.110
RH	1149.815	LH	897.662
RH	961.034	LH	922.895

VERTICAL BREAK (IN.)			
RH	-2.676	LH	1.184
RH	4.110	LH	7.413
RH	-1.542	LH	-0.587
RH	3.770	LH	7.636
RH	-5.022	LH	-7.594
RH	1.611	LH	2.347

SPIN EFFICIENCY (%)			
RH	59.239	LH	40.999
RH	51.435	LH	64.315
RH	75.527	LH	75.568
RH	61.047	LH	55.682
RH	81.889	LH	88.191
RH	50.209	LH	58.907



SPEED
58.4 MPH

SPIN
1311 RPM

TRUE SPIN
1062 RPM

SPIN EFFICIENCY
80%

H. & V. BREAK (in)
1.5 / -8.5

SPIN AXIS
5H : 50M

PITCH TYPE & COUNT
DB 40

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● Fast Ball ● Curve Ball ● Change Up ● Rise Ball ● Drop Ball ● Screw Ball

SPEED (MPH)													
11 - 12		13 - 14		15 - 16		17 - 18		College		Pro			
48.154	46.467	52.090	50.508	55.156	52.775	56.985	56.072	57.474	55.858	59.025	57.115		
48.871	46.059	51.699	51.685	53.887	52.972	56.790	56.605	56.512	56.755	59.716	59.573		
40.328	47.413	42.739	51.691	44.128	53.519	45.776	56.213	46.241	56.694	46.876	60.407		

H. BREAK (IN.)													
11 - 12		13 - 14		15 - 16		17 - 18		College		Pro			
0.388	-0.069	-0.379	-0.658	-0.366	-0.862	-0.200	-0.335	-0.866	-1.561	-1.197	-0.988		
0.648	0.277	-0.864	-0.712	-1.245	78.199	-0.724	-0.394	-2.615	-1.211	0.995	-1.947		
0.131	-0.103	-0.907	-0.537	-1.357	-0.484	-0.483	0.162	-2.792	-0.968	-0.869	0.528		

SPIN RATE													
11 - 12		13 - 14		15 - 16		17 - 18		College		Pro			
916.378	819.205	983.868	961.697	1015.544	990.938	1027.436	1040.492	1063.282	1092.553	1120.069	1159.056		
10004.720	867.359	1015.839	971.158	1067.265	990.226	1037.713	977.900	1115.087	1003.023	1266.275	1086.777		
819.205	933.983	900.884	1038.161	884.889	1058.281	874.174	1070.151	922.722	1138.353	827.709	948.321		

V. BREAK (IN.)													
11 - 12		13 - 14		15 - 16		17 - 18		College		Pro			
-1.645	-0.909	-2.327	-0.992	-2.304	0.356	-1.750	0.546	-0.976	2.679	-1.390	4.875		
-0.924	-2.337	-0.467	-3.204	-0.827	-3.334	-0.175	-2.779	2.487	-2.802	5.211	-5.665		
0.084	-1.171	-0.051	0.447	-0.345	-0.691	-0.104	0.751	0.690	2.678	-1.303	1.956		

SPIN EFFICIENCY (FT.)													
11 - 12		13 - 14		15 - 16		17 - 18		College		Pro			
66.742	57.200	64.864	59.086	66.401	56.949	59.932	54.370	61.645	59.573	56.159	59.514		
63.318	72.897	60.868	70.914	61.143	69.936	56.470	68.697	61.718	69.703	55.728	83.465		
69.801	58.226	72.195	56.535	73.332	56.063	72.008	52.002	75.303	53.498	75.537	53.108		

measure to master.

Rapsodo
 **RAPSCORE**

A STANDARDIZED TEST FOR GAUGING PLAYER PERFORMANCE AT ALL LEVELS



Rapsodo RapScore is a standardized test for softball scouting and recruiting. Coaches and scouts rely on RapScore to identify and evaluate softball players at all levels. Compare athletes of all ages within the RapScore 20/80 scale and put a data-driven number on player evaluation and development.

R60
 YOUTH

R45
 HIGH SCHOOL

R32
 COLLEGE

R20
 PRO



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