

Looked at every team's qualified players (batters with the standard 3.1PA/G, SP with 160+IP, RP with 40+ IP) and counted how many players had their best season by WAR that year.

Most of the top results are very old teams where presumably players didn't play for very long, or very recent teams whose players were very young and may have been rookies, therefore it is highly likely it was their best season.

Top 10 excluding pre-WWII and the last 2 seasons:

Season	Team	Qualified SP (160+IP)					Qualified RP (40+IP)		Qualified BAT (3.1PA/G)	
Total Qualified Players			SP Best Seasons			RP Best Seasons		BAT Best Seasons		
Total Best Seasons		% of Qualified								
2014	CHC	1	7	3	11	0	5	3	8	72.7%
1953	PHA	4	2	3	9	3	1	2	6	66.7%
1962	KCA	2	2	5	9	2	0	4	6	66.7%
2017	MIL	2	6	4	12	2	3	3	8	66.7%
1952	CHC	4	3	2	9	3	1	2	6	66.7%
1950	SLB	3	1	2	6	2	1	1	4	66.7%
1957	BAL	2	2	4	8	1	1	3	5	62.5%
1961	WAS	3	3	2	8	2	1	2	5	62.5%
2011	ARI	3	3	4	10	2	0	4	6	60.0%
2011	PHI	3	4	5	12	3	3	1	7	58.3%