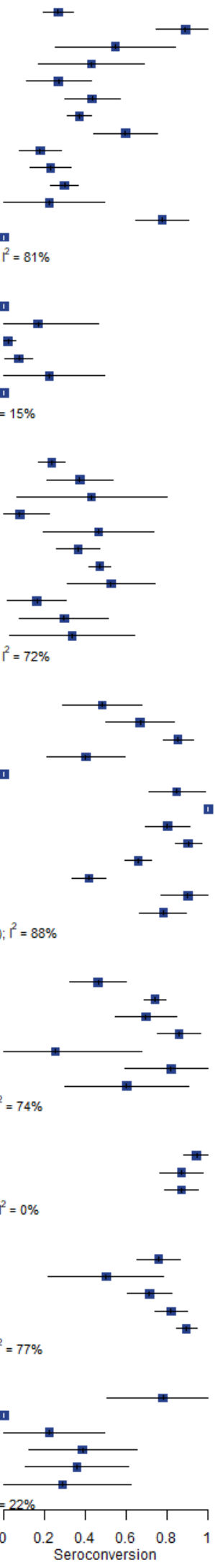Study or Subgroup	Cases, No.	Patients, No.	Response rate (95% CI)
B-cell depleting, any			
Benjamini 2021	38	143	0.27 [0.19; 0.34]
Bergmann 2021	16	18	0.89 [0.74; 1.00]
Chiarucci 2021	6	11	0.55 [0.25; 0.84]
Crombie 2021	6	14	0.43 [0.17; 0.69]
Ehmsen 2021	8	30	0.27 [0.11; 0.42]
Fox 2021	22	51	0.43 [0.30; 0.57]
Greenberger 2021	97	263	0.37 [0.31; 0.43]
Jurgens 2021	22	37	0.59 [0.44; 0.75]
Marasco 2021	9	51	0.18 [0.07; 0.28]
Marchesi 2021	16	70	0.23 [0.13; 0.33]
Perry 2021	52	176	0.30 [0.23; 0.36]
Shen 2021	2	9	0.22 [0.00; 0.49]
Tadmor 2021	31	40	0.78 [0.65; 0.90]
Tzarfati 2021	0	2	0.00 [0.00; 0.00]
Heterogeneity: $Tau^2 = 0.6961$; $Chi^2 = 69.25$, df = 13 (P < 0.01); $I^2 = 81\%$			
B-cell depleting < 12 months			
Crombie 2021	0	6	0.00 [0.00; 0.00]
Jurgens 2021	1	6	0.17 [0.00; 0.46]
Marchesi 2021	1	51	0.02 [0.00; 0.06]
Perry 2021	4	55	0.07 [0.00; 0.14]
Shen 2021	2	9	0.22 [0.00; 0.49]
Tadmor 2021	0	22	0.00 [0.00; 0.00]
Heterogeneity: $Tau^2 = 0.1494$; $Chi^2 = 5.85$, df = 5 (P = 0.32); $I^2 = 15\%$			
B-cell directed, any			
Benjamini 2021	39	168	0.23 [0.17; 0.30]
Bergmann 2021	13	35	0.37 [0.21; 0.53]
Crombie 2021	3	7	0.43 [0.06; 0.80]
Ehmsen 2021	1	13	0.08 [0.00; 0.22]
Fox 2021	6	13	0.46 [0.19; 0.73]
Ghione 2021	28	77	0.36 [0.26; 0.47]
Greenberger 2021	147	314	0.47 [0.41; 0.52]
Marasco 2021	11	21	0.52 [0.31; 0.74]
Shen 2021	4	25	0.16 [0.02; 0.30]
Tadmor 2021	5	17	0.29 [0.08; 0.51]
Tzarfati 2021	3	9	0.33 [0.03; 0.64]
Heterogeneity: $Tau^2 = 0.1763$; $Chi^2 = 36.35$, df = 10 (P < 0.01); $I^2 = 72\%$			
Other targeted novel agents			
Aleman 2021	12	25	0.48 [0.28; 0.68]
Cattaneo 2021	20	30	0.67 [0.50; 0.84]
Chan 2021	75	88	0.85 [0.78; 0.93]
Ehmsen 2021	10	25	0.40 [0.21; 0.59]
Lockmer 2021	0	10	0.00 [0.00; 0.00]
Marasco 2021	22	26	0.85 [0.71; 0.98]
Marchesi 2021	20	20	1.00 [1.00; 1.00]
Marchesi 2021	40	50	0.80 [0.69; 0.91]
Ramasamy 2021	73	81	0.90 [0.84; 0.97]
Schiller 2021	128	195	0.66 [0.59; 0.72]
Stampfer 2021	59	142	0.42 [0.33; 0.50]
Tamari 2021	18	20	0.90 [0.77; 1.00]
Tzarfati 2021	39	50	0.78 [0.67; 0.89]
Heterogeneity: $Tau^2 = 0.9930$; $Chi^2 = 101.58$, df = 12 (P < 0.01); $I^2 = 88\%$			
Chemotherapy			
Ehmsen 2021	23	50	0.46 [0.32; 0.60]
Greenberger 2021	205	277	0.74 [0.69; 0.79]
Marasco 2021	25	36	0.69 [0.54; 0.84]
Marchesi 2021	36	42	0.86 [0.75; 0.96]
Shen 2021	1	4	0.25 [0.00; 0.67]
Tamari 2021	9	11	0.82 [0.59; 1.00]
Tzarfati 2021	6	10	0.60 [0.30; 0.90]
Heterogeneity: $Tau^2 = 0.4004$; $Chi^2 = 23.31$, df = 6 (P < 0.01); $I^2 = 74\%$			
auto HSCT			
Attolico 2021	49	52	0.94 [0.88; 1.00]
Chiarucci 2021	33	38	0.87 [0.76; 0.98]
Tamari 2021	53	61	0.87 [0.78; 0.95]
Heterogeneity: $Tau^2 = < 0.0001$; $Chi^2 = 1.85$, df = 2 (P = 0.40); $I^2 = 0\%$			
allo HSCT			
Attolico 2021	47	62	0.76 [0.65; 0.86]
Chiarucci 2021	6	12	0.50 [0.22; 0.78]
Ram 2021	47	66	0.71 [0.60; 0.82]
Redjoul 2021	72	88	0.82 [0.74; 0.90]
Tamari 2021	133	149	0.89 [0.84; 0.94]
Heterogeneity: $Tau^2 = 0.3590$; $Chi^2 = 17.35$, df = 4 (P < 0.01); $I^2 = 77\%$			
CART			
Aleman 2021	7	9	0.78 [0.51; 1.00]
Bergmann 2021	0	2	0.00 [0.00; 0.00]
Fox 2021	2	9	0.22 [0.00; 0.49]
Greenberger 2021	5	13	0.38 [0.12; 0.65]
Ram 2021	5	14	0.36 [0.11; 0.61]
Tamari 2021	2	7	0.29 [0.00; 0.62]
Heterogeneity: $Tau^2 = 0.0701$; $Chi^2 = 6.44$, df = 5 (P = 0.27); $I^2 = 22\%$