Study	Sample size	Proportion (%)	95% CI	1	1		Meta-a	analysis		1
Study Broaddus RR et al. 2005 Nagle et al. 2018 Maruyama et al. 2001 Mills et al. 2014 Djordjevic et al. 2013 Okoye et al. 2016 Shikama et al. 2016 Total (fixed effects) Total (random effects)	Sample size 138 698 146 605 187 411 221 2406 2406	23.352 36.301 6.612 24.599 27.981 28.054 20.081	95% CI 12.692 to 26.374 20.260 to 26.672 28.511 to 44.660 4.765 to 8.895 18.607 to 31.414 23.691 to 32.590 22.236 to 34.472 18.499 to 21.736 14.852 to 32.116	Broaddus RR et al. 2005 Nagle et al. 2018 Maruyama et al. 2001 Mills et al. 2014 Djordjevic et al. 2013 Okoye et al. 2016 Shikama et al. 2016 Total (fixed effects) Total (random effects)	•		Meta-a	analysis	•	
Q		148.992		L	0.0	0.1	0.2	0.3	0.4	0.5
DF Significance level I ² (inconsistency) 95% CI for I ²		6 P < 0.001 95.97% 93.68 to 97.44		v				ortion		

Supplementary Fig. S6. Subgroup analysis of studies with Lynch syndrome [8,14,17-20,22]. CI, confidence interval.