

APPENDIX

Supplementary Table 1. Year-by-year counts and proportions										
Year	Total	Completed	Terminated	Ongoing	Other/suspended	% completed (of all)	Randomized (n non-miss.)	% randomized	Industry (n non-miss.)	% industry
2002	2	2	0	0	0	100.0	2	0.0	2	0.0
2003	3	3	0	0	0	100.0	3	66.7	3	0.0
2004	7	4	3	0	0	57.1	7	14.3	7	14.3
2005	2	1	0	1	0	50.0	2	50.0	2	0.0
2006	2	1	0	0	1	50.0	2	0.0	2	0.0
2007	1	0	1	0	0	0.0	1	0.0	1	0.0
2008	2	0	0	0	2	0.0	2	50.0	2	0.0

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2009	2	1	1	0	0	50.0	2	0.0	2	50.0
2010	3	2	0	0	1	66.7	3	0.0	3	33.3
2011	1	1	0	0	0	100.0	1	0.0	1	0.0
2013	5	4	0	1	0	80.0	5	20.0	5	60.0
2014	3	2	0	1	0	66.7	3	0.0	3	33.3
2015	7	1	4	2	0	14.3	7	14.3	7	28.6
2016	7	1	3	2	1	14.3	7	0.0	7	28.6
2017	4	2	1	1	0	50.0	4	50.0	4	75.0
2018	5	3	0	2	0	60.0	5	0.0	5	20.0
2019	4	1	0	1	2	25.0	4	25.0	4	25.0

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2020	4	3	0	1	0	75.0	4	0.0	4	50.0
2021	1	0	0	1	0	0.0	1	0.0	1	0.0
2022	5	1	0	4	0	20.0	5	0.0	5	20.0
2023	5	0	0	3	2	0.0	5	0.0	5	0.0
2024	4	0	0	4	0	0.0	4	0.0	4	25.0
2025	4	0	0	4	0	0.0	4	25.0	4	50.0

Supplementary Table 2. Kendall's rank correlation analyses of temporal trends in trial characteristics (2000–2025)					
Population/subgroup	Metric	Kendall's τ	p	n years	Interpretation
Overall	Trials per year	0.264	0.095	23	No significant trend
	% Completed (of all trials)	−0.388	0.013	23	Significant decline over time
	% Randomized (non-missing)	−0.166	0.318	23	No significant trend
	% Industry-funded (non-missing)	0.252	0.112	23	No significant trend
Penile cancer trials	Trials per year	0.30	0.18	23	No significant trend
	% Randomized	0.23	0.32	23	No significant trend
Testicular cancer trials	Trials per year	−0.16	0.32	23	No significant trend
	% Randomized	−0.35	0.039	23	Significant decline over time
Industry-funded trials	Trials per year	0.08	0.71	23	No significant trend
Non-industry-funded trials	Trials per year	0.10	0.54	23	No significant trend
All other metrics	—	—	—	—	Not estimable (no temporal variation)