

## Attrition by Study Exclusion Criteria

Exclusion Criteria Category	Exclusion Criteria Details	Number of deleted registrars or units of treatment (n)	Number of subjects remaining in cohort after exclusion (N)
Initial Count	Registrars from whom we collected public information		8104
Two levels of units per state	<b>County and municipality</b>		
	Delete registrars at county level - Wisconsin	(72)	8032
	Delete registrars at county level - Michigan	(83)	7949
	<b>State and county</b>		
	Delete registrars at state level - Delaware	(2)	7947
Missing emails	Delete registrars at county level with no email address - California, Idaho, Indiana, Maine, Missouri, Mississippi, New York, Pennsylvania	(652)	7295
	Delete registrars at municipality level with no email address - Connecticut, Michigan, New Hampshire, Rhode Island, Wisconsin	(183)	7112
Multiple registrars per unit of treatment	Randomly select one registrar per county and delete remaining duplicates:		
	Alabama	(3)	7109
	Arkansas	(19)	7090
	Connecticut	(79)	7011
	Louisiana	(15)	6996
	New Hampshire	(4)	6992
	Keep registrar with name and delete registrar with no name - Nevada	(2)	6990
	Keep registrar with job title "County Director" and delete registrar with job title "Deputy County" - Delaware	(6)	6984
	Keep registrar with job title "City Clerks" and delete registrars with job title "Town Clerks" - Michigan	(68)	6916
	For registrars with no job title, randomly select one and delete remaining duplicates - Michigan	(33)	6883
	Randomly select registrar based on ranking of job title (1- "city clerk", 2- "town clerk", 3- "village clerk"), delete remaining duplicates - Wisconsin	(230)	6653
Spillover - Registrars responsible of multiple units of treatment or registrars sharing email address	Randomly select one county, delete remaining counties for each registrar:		
	Georgia	(155)	6498
	Hawaii	(3)	6495
	Michigan	(31)	6464
	New York	(4)	6460
	South Dakota	(2)	6458
	West Virginia	(1)	6457
	Winsconsin	(7)	6450
Missing data	Unable to assign to treatment due to missing covariate data	(11)	6439
Total		(1665)	6,439