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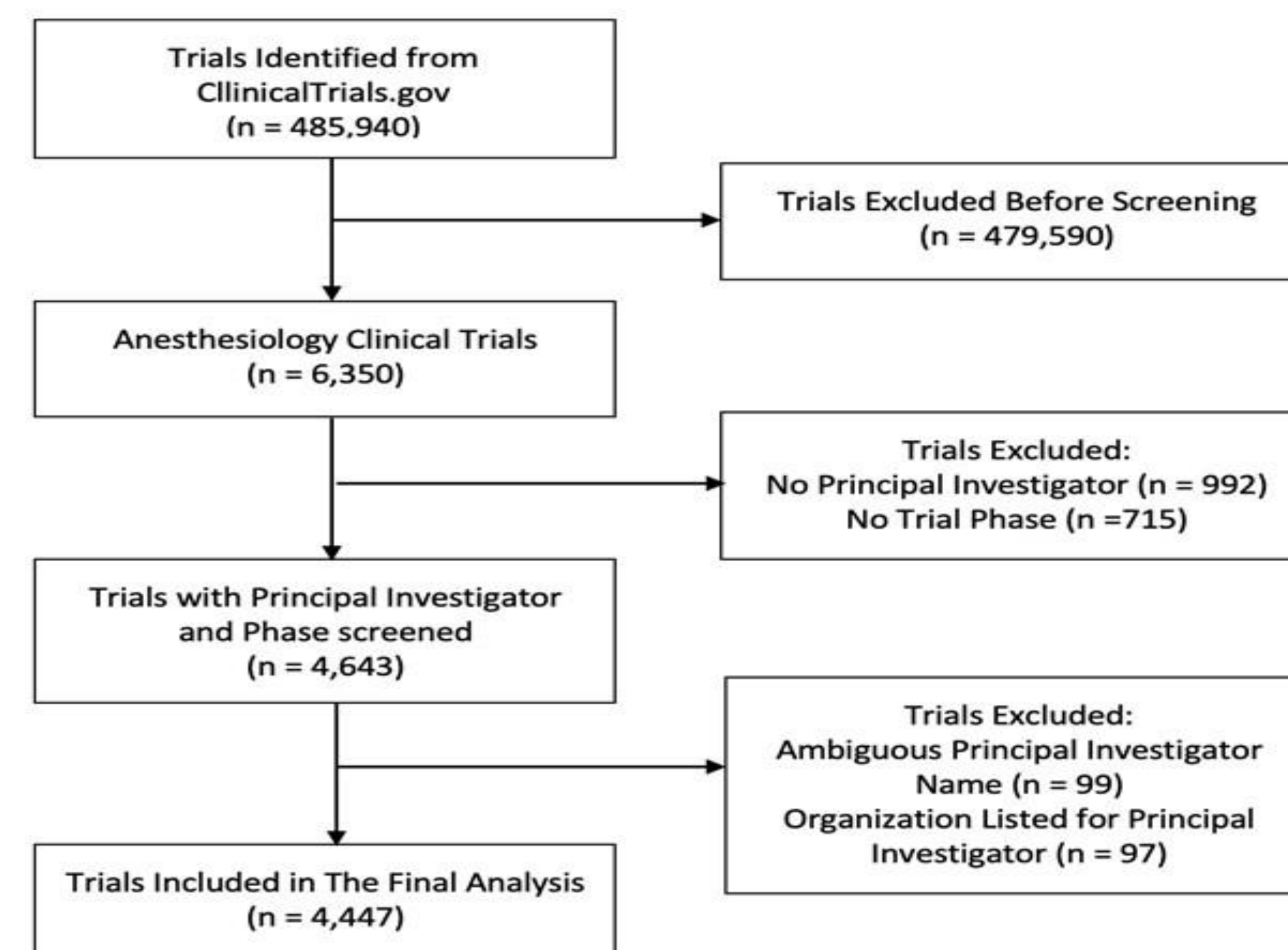


Introduction & Background

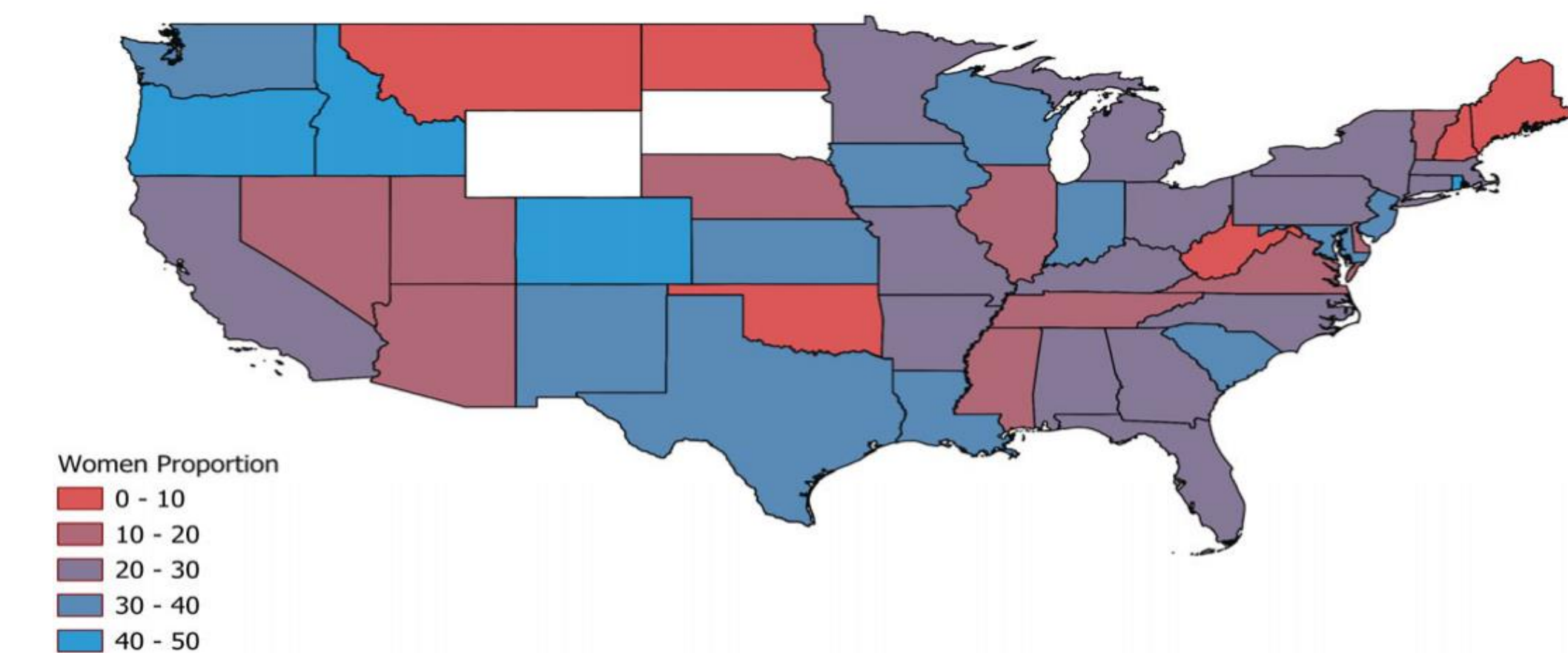
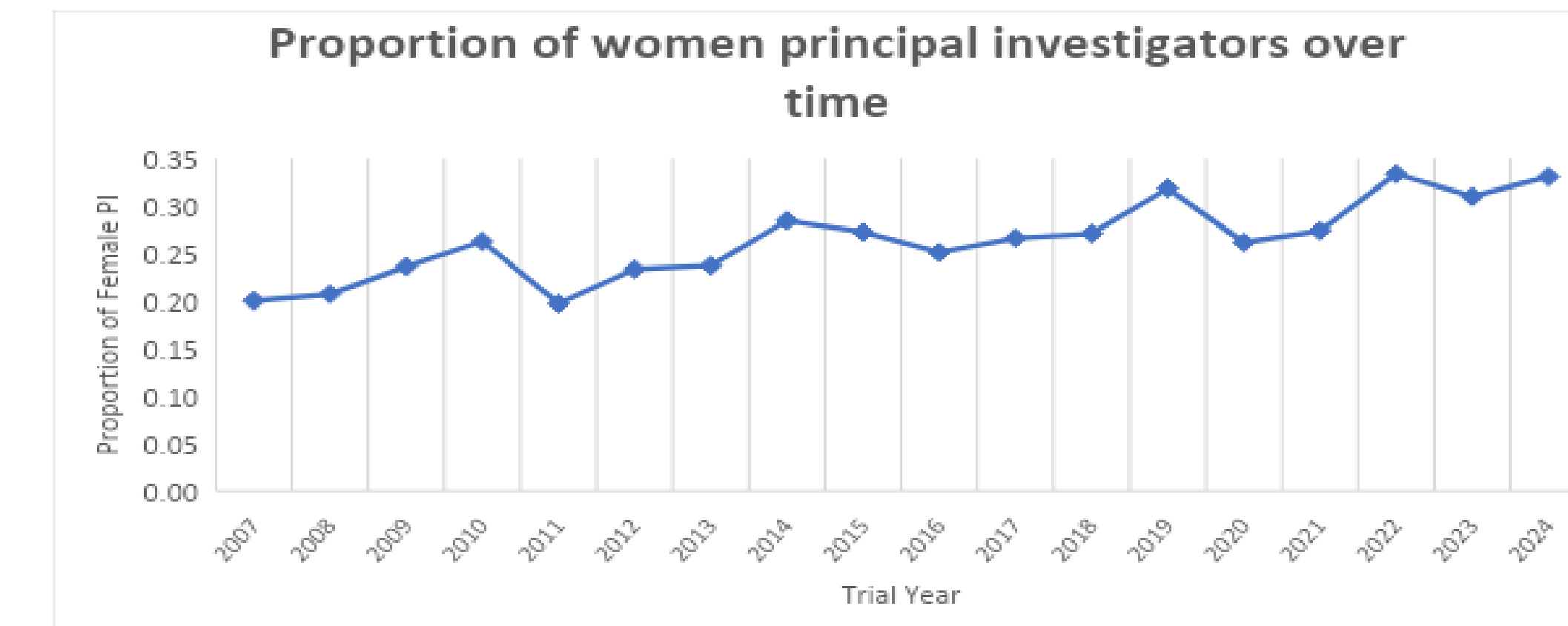
- Despite growing numbers of women among medical students and physicians, they remain significantly underrepresented in leadership roles in anesthesiology.
- Current statistics reveal that only 18% of hospital CEOs, 16% of department chairs, and 7% of editors-in-chief are women.
- Study Objective**
 - Investigate gender representation among principal investigators (PIs) in anesthesiology clinical trials.
 - Assess the extent of gender disparity and explore its implications for the field.
- Implications**
 - Understanding these disparities can inform strategies to promote gender equity in leadership within anesthesiology.
 - Potential to drive systemic change by highlighting areas where interventions are needed.

Methods

- Data from ClinicalTrials.gov (2007–2022) were analyzed to examine anesthesiology trials.
- PI gender was identified using Genderize.io.
- Key trial features analyzed included phase, funding source, and geographic distribution.
- Trends in female PI representation, trial characteristics, and regional differences were assessed.



Results



Discussion & Conclusion

- The **proportion of female PIs** in anesthesiology trials has grown over time, yet overall representation remains **low**.
- Differences in trial characteristics and geographic distribution highlight ongoing **inequalities**.
- Targeted interventions and policies are needed** to promote inclusivity and diversity in research leadership.
- Continuous monitoring and evaluation of gender equity strategies are crucial** to ensuring progress in anesthesiology clinical trial leadership.

US state	Women principal investigators	Total principal investigators (men and women)	Proportion of women principal investigators
Alabama	33	153	22%
Alaska	1	3	33%
Arizona	25	131	19%
Arkansas	9	36	25%
California	160	572	28%
Colorado	24	55	44%
Connecticut	26	96	27%
Delaware	1	5	20%
District of Columbia	8	30	27%
Florida	42	201	21%
Georgia	18	66	27%
Hawaii	2	3	67%
Idaho	3	6	50%
Illinois	38	217	18%
Indiana	14	36	39%
Iowa	18	49	37%
Kansas	8	26	31%
Kentucky	16	56	29%
Louisiana	7	22	32%
Maine	0	5	0%
Maryland	41	133	31%
Massachusetts	71	234	30%
Michigan	24	112	21%
Minnesota	33	135	24%
Mississippi	1	6	17%
Missouri	27	117	23%
Montana	0	1	0%
Nebraska	2	11	18%
Nevada	1	6	17%
New Hampshire	1	11	9%
New Jersey	20	61	33%
New Mexico	6	18	33%
New York	106	431	25%
North Carolina	52	194	27%
North Dakota	0	3	0%
Ohio	58	242	24%
Oklahoma	1	10	10%
Oregon	18	42	43%
Pennsylvania	69	232	30%
Rhode Island	9	21	43%
South Carolina	15	39	38%
Tennessee	16	79	20%
Texas	105	298	35%
Utah	7	46	15%
Vermont	1	7	14%
Virginia	12	71	17%
Washington	22	61	36%
West Virginia	1	12	8%
Wisconsin	18	53	34%