

**Table S1** – Comparison of absolute number of physicians in our first data source across gender groups and the OPHRDC dataset.

Specialty	Primary Data Source Men	Primary Data Source Women	OPHRDC Male	OPHRDC Female	Primary data source total	OPHRDC total	p_value
Family practice and general practice	7675	6639	7595	6752	14314	14347	0.10441599
Psychiatry	1247	941	1219	936	2188	2155	0.70321896
Internal Medicine	1236	561	817	385	1797	1202	0.47661068
Anesthesiology	936	443	916	434	1379	1350	1
Pediatrics	504	702	666	901	1206	1567	0.63833133
Diagnostic Radiology	835	331	756	304	1166	1060	0.85104654
Obstetrics and Gynecology	384	534	360	516	918	876	0.67552753
General Surgery	618	222	525	182	840	707	0.67793325
Orthopedic Surgery	592	58	510	42	650	552	0.23407916
Cardiology	522	119	549	114	641	663	0.38593732
Ophthalmology	375	104	360	100	479	460	1
Neurology	276	146	260	132	422	392	0.72633488
Pathology, microbiology, clinical biochemistry	191	117	346	259	308	605	0.09832414
Urology	281	19	266	17	300	283	0.90738639
Otolaryngology	232	57	227	55	289	282	0.98403932
Gastroenterology	217	70	260	75	287	335	0.45753526
Respiratory Disease	188	96	206	104	284	310	0.97768366
Emergency Medicine	176	79	266	126	255	392	0.74107424
Plastic Surgery	173	67	173	64	240	237	0.8059238
Endocrinology	103	136	115	136	239	251	0.43585887
Dermatology	124	114	115	111	238	226	0.75626949
Therapeutic Radiology	154	62	153	55	216	208	0.49874984
Physical Medicine	135	75	136	77	210	213	0.95241161
Rheumatology	100	104	99	108	204	207	0.78625246
Nephrology	129	55	183	78	184	261	1
Infectious Disease	87	67	93	54	154	147	0.09699344
Hematology	74	68	121	92	142	213	0.29615307

Geriatrics	55	77	67	78	132	145	0.3375637 4
Cardiothoracic Surgery	82	11	84	11	93	95	1
Neurosurgery	81	6	101	9	87	110	0.8089303 7
Medical Oncology	38	30	143	131	68	274	0.6254116 1
Vascular Surgery	62	6	83	7	68	90	0.9238464 6
Nuclear Medicine	42	12	67	21	54	88	0.9018308 8
Thoracic Surgery	37	7	48	8	44	56	0.9264449
Clinical Immunology	21	15	43	32	36	75	1
Genetics	7	22	13	30	29	43	0.6083248