

Survey round 1: Logistic models for mentions (frequencies) of RIA categories

RIA category	model	top 5 list known = true				age/10				language region = non-German				practice location = periurban				practice location = rural				practice type = group practice				practice type = hospital			
		OR	CI lower	CI upper	p	OR	CI lower	CI upper	p	OR	CI lower	CI upper	p	OR	CI lower	CI upper	p	OR	CI lower	CI upper	p	OR	CI lower	CI upper	p	OR	CI lower	CI upper	p
antibiotics	univariate	1.27	0.68	2.56	0.48	0.99	0.80	1.23	0.90	0.80	0.37	1.56	0.53	1.91	1.07	3.44	0.03	1.48	0.79	2.73	0.22	1.56	0.87	2.93	0.15	0.97	0.38	2.32	0.95
	adjusted	1.22	0.64	2.47	0.57	0.98	0.76	1.24	0.84	0.79	0.35	1.61	0.54	1.81	0.99	3.31	0.05	1.41	0.74	2.66	0.29	1.57	0.86	2.99	0.15	1.09	0.39	2.82	0.86
low back pain imaging	univariate	1.17	0.62	2.37	0.64	1.23	0.98	1.55	0.07	1.10	0.54	2.09	0.78	1.12	0.61	2.01	0.71	0.91	0.48	1.69	0.78	1.10	0.63	2.00	0.74	0.58	0.20	1.45	0.27
	adjusted	1.19	0.62	2.49	0.63	1.22	0.95	1.57	0.13	0.91	0.42	1.83	0.81	1.05	0.57	1.92	0.87	0.83	0.42	1.59	0.59	1.20	0.67	2.22	0.55	0.74	0.24	1.96	0.56
routine chest X-ray	univariate	1.56	0.69	4.19	0.33	0.93	0.71	1.22	0.60	0.65	0.22	1.57	0.39	1.45	0.70	2.96	0.31	1.07	0.48	2.30	0.87	0.84	0.42	1.75	0.63	1.05	0.38	2.70	0.92
	adjusted	1.94	0.81	5.77	0.18	0.88	0.65	1.18	0.40	0.74	0.24	1.80	0.54	1.63	0.76	3.46	0.20	1.11	0.48	2.49	0.81	0.78	0.38	1.66	0.50	0.96	0.31	2.77	0.95
routine check-up	univariate	0.79	0.36	1.91	0.57	0.93	0.69	1.25	0.61	1.09	0.40	2.55	0.85	0.83	0.33	1.94	0.68	1.21	0.53	2.67	0.64	0.83	0.40	1.78	0.62	0.15	0.01	0.79	0.07
	adjusted	0.77	0.35	1.89	0.54	0.75	0.52	1.08	0.12	0.94	0.31	2.39	0.90	0.65	0.24	1.58	0.36	0.99	0.42	2.25	0.98	0.71	0.33	1.58	0.39	0.09	0.00	0.55	0.03
routine follow-up encounter	univariate	1.61	0.54	6.95	0.45	1.13	0.78	1.65	0.53	0.22	0.01	1.06	0.14	0.84	0.26	2.40	0.75	1.41	0.53	3.67	0.48	0.74	0.32	1.80	0.48	0.00	NA	8.91E+37	0.99
	adjusted	1.54	0.51	6.69	0.50	0.96	0.62	1.48	0.85	0.25	0.01	1.23	0.18	0.66	0.20	1.92	0.47	1.00	0.37	2.65	1.00	0.71	0.29	1.80	0.45	0.00	NA	3.64E+22	0.99
routine ECG	univariate	2.01E+07	0.00	NA	0.99	1.24	0.87	1.79	0.24	1.27	0.41	3.21	0.64	1.71	0.58	5.10	0.32	3.16	1.24	8.69	0.02	1.18	0.50	3.10	0.72	0.54	0.08	2.32	0.46
	adjusted	1.95E+07	0.00	NA	0.99	1.24	0.84	1.84	0.29	1.97	0.61	5.39	0.21	1.75	0.58	5.33	0.32	3.70	1.37	10.80	0.01	1.38	0.56	3.81	0.50	0.94	0.13	4.42	0.94
iron infusion	univariate	1.68E+07	0.00	NA	0.99	1.01	0.70	1.47	0.97	0.23	0.01	1.12	0.15	1.72	0.62	4.77	0.29	1.32	0.43	3.87	0.62	1.57	0.60	4.87	0.39	0.77	0.11	3.68	0.76
	adjusted	1.57E+07	0.00	NA	0.99	1.05	0.69	1.59	0.83	0.27	0.01	1.36	0.21	1.64	0.58	4.67	0.34	1.15	0.36	3.49	0.80	1.47	0.54	4.74	0.48	0.90	0.12	4.83	0.91
PSA screening	univariate	0.80	0.31	2.48	0.67	1.02	0.70	1.50	0.93	2.58	0.96	6.33	0.05	0.55	0.15	1.61	0.31	0.86	0.30	2.28	0.78	1.21	0.48	3.46	0.70	0.32	0.02	1.89	0.29
	adjusted	0.81	0.31	2.55	0.69	0.96	0.62	1.49	0.86	2.71	0.97	6.98	0.04	0.51	0.14	1.53	0.26	0.95	0.31	2.66	0.92	1.21	0.46	3.57	0.71	0.27	0.01	1.87	0.25
vitamin D3 measurement	univariate	1.45	0.48	6.26	0.56	0.87	0.60	1.28	0.48	0.25	0.01	1.24	0.18	0.50	0.14	1.45	0.24	0.52	0.15	1.51	0.26	1.97	0.71	6.98	0.23	0.00	NA	1.09E+58	0.99
	adjusted	2.13	0.59	13.80	0.32	0.71	0.44	1.12	0.14	0.25	0.01	1.26	0.18	0.47	0.13	1.41	0.21	0.38	0.10	1.16	0.11	1.53	0.52	5.56	0.47	0.00	NA	2.13E+24	0.99
CRP or blood count	univariate	1.45	0.48	6.26	0.56	0.65	0.44	0.96	0.03	0.54	0.09	1.92	0.42	0.98	0.36	2.49	0.97	0.28	0.04	1.05	0.10	0.96	0.33	3.13	0.94	2.45	0.72	8.77	0.15
	adjusted	1.63	0.53	7.19	0.45	0.66	0.42	1.01	0.07	0.47	0.07	1.71	0.33	1.16	0.41	3.10	0.77	0.28	0.04	1.11	0.11	0.76	0.26	2.54	0.63	1.15	0.26	5.04	0.85
lipid measurements	univariate	2.06	0.58	13.10	0.34	0.90	0.61	1.36	0.62	0.61	0.10	2.18	0.51	0.96	0.25	3.23	0.95	2.05	0.72	5.96	0.18	0.82	0.32	2.24	0.68	0.00	NA	1.15E+43	0.99
	adjusted	2.06	0.57	13.20	0.34	0.74	0.46	1.18	0.20	0.74	0.11	2.80	0.70	0.82	0.21	2.80	0.76	1.51	0.52	4.54	0.45	0.69	0.26	1.96	0.46	0.00	NA	3.85E+25	0.99
MRI of the knee joint	univariate	1.36	0.45	5.91	0.63	0.86	0.58	1.27	0.44	0.57	0.09	2.04	0.46	1.32	0.46	3.63	0.59	0.77	0.21	2.40	0.66	2.65	0.87	11.50	0.13	0.64	0.03	5.13	0.71
	adjusted	1.31	0.42	5.74	0.68	0.77	0.48	1.21	0.26	0.55	0.09	2.02	0.44	1.26	0.43	3.51	0.66	0.62	0.16	1.99	0.44	2.31	0.73	10.20	0.20	0.42	0.02	3.85	0.48
duplicated tests	univariate	1.81	0.50	11.60	0.44	1.01	0.66	1.56	0.97	1.13	0.26	3.56	0.85	1.46	0.46	4.48	0.51	0.99	0.26	3.35	0.99	1.16	0.42	3.70	0.79	0.00	NA	6.47E+51	0.99
	adjusted	1.86	0.51	12.00	0.42	0.84	0.51	1.38	0.48	1.19	0.26	3.89	0.80	1.29	0.41	4.00	0.66	0.82	0.21	2.88	0.77	1.04	0.36	3.39	0.95	0.00	NA	3.45E+27	0.99
statins	univariate	1.11	0.36	4.90	0.87	1.16	0.76	1.81	0.51	0.32	0.02	1.60	0.27	2.06	0.61	7.26	0.24	2.14	0.63	7.53	0.22	0.79	0.29	2.37	0.66	0.32	0.02	1.89	0.29
	adjusted	1.07	0.34	4.73	0.92	1.06	0.65	1.72	0.81	0.38	0.02	1.94	0.35	1.80	0.52	6.44	0.35	1.74	0.51	6.29	0.38	0.85	0.30	2.62	0.76	0.41	0.02	2.79	0.44
intramuscular injection	univariate	0.71	0.24	2.57	0.55	0.49	0.30	0.76	0.00	0.75	0.12	2.73	0.70	3.46	0.90	16.60	0.08	4.22	1.15	19.80	0.04	1.46	0.50	5.29	0.52	0.00	NA	2.01E+58	0.99
	adjusted	0.57	0.18	2.20	0.38	0.28	0.14	0.52	0.00	1.03	0.15	4.24	0.97	4.52	1.08	23.60	0.05	3.18	0.81	15.90	0.12	0.75	0.23	2.93	0.65	0.00	NA	1.15E+24	0.99
cerebral imaging	univariate	1.44	0.39	9.34	0.64	1.76	1.07	3.04	0.03	0.40	0.02	2.03	0.38	0.41	0.06	1.67	0.27	0.87	0.23	2.80	0.82	0.39	0.11	1.32	0.13	0.97	0.20	3.80	0.97
	adjusted	1.21	0.31	8.00	0.81	1.79	1.07	3.09	0.03	0.44	0.02	2.34	0.43	0.37	0.05	1.55	0.22	0.78	0.20	2.63	0.70	0.51	0.14	1.80	0.29	1.57	0.30	6.87	0.56

Legend: Presented are raw (univariate) and adjusted odds ratios (OR) with 95% confidence intervals (CI) and p-values (odds: mention of specific RIA category vs. no mention; ratio: covariate level vs. reference level\*, or for an age increase by 10 years, respectively). Adjustment was performed for all of remaining variables.  
 \*Reference levels: top 5 list known = false, language region = German, practice location = urban, practice type = single practice.  
 Colours indicate (formal) significance with thresholds of  $\alpha_1 = 0.05$  (yellow) and  $\alpha_2 = 0.05 / (16 * 7) = 0.000446$  (red).