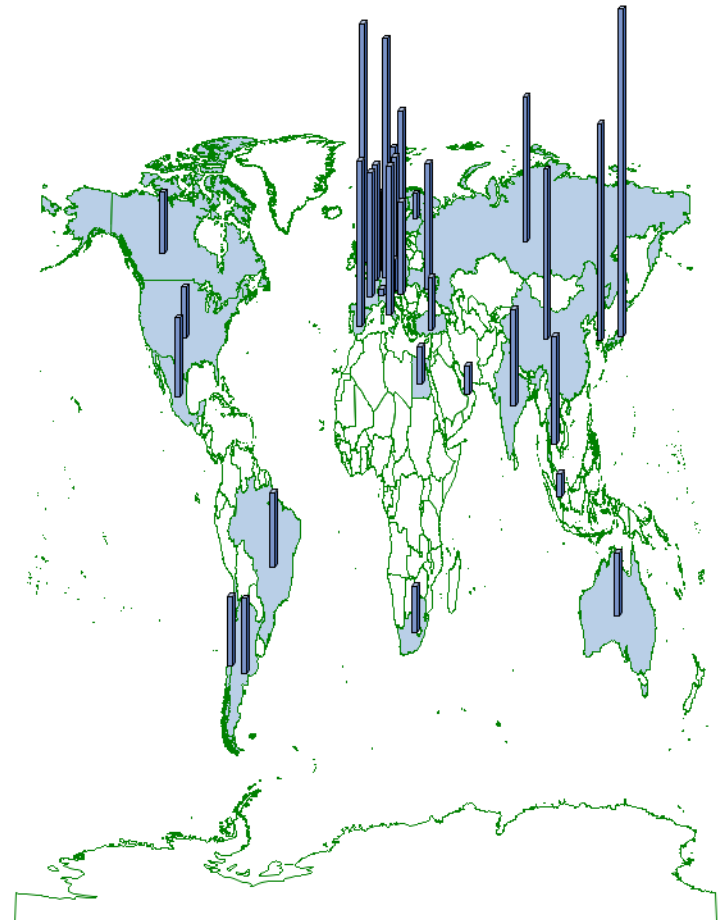

Japan

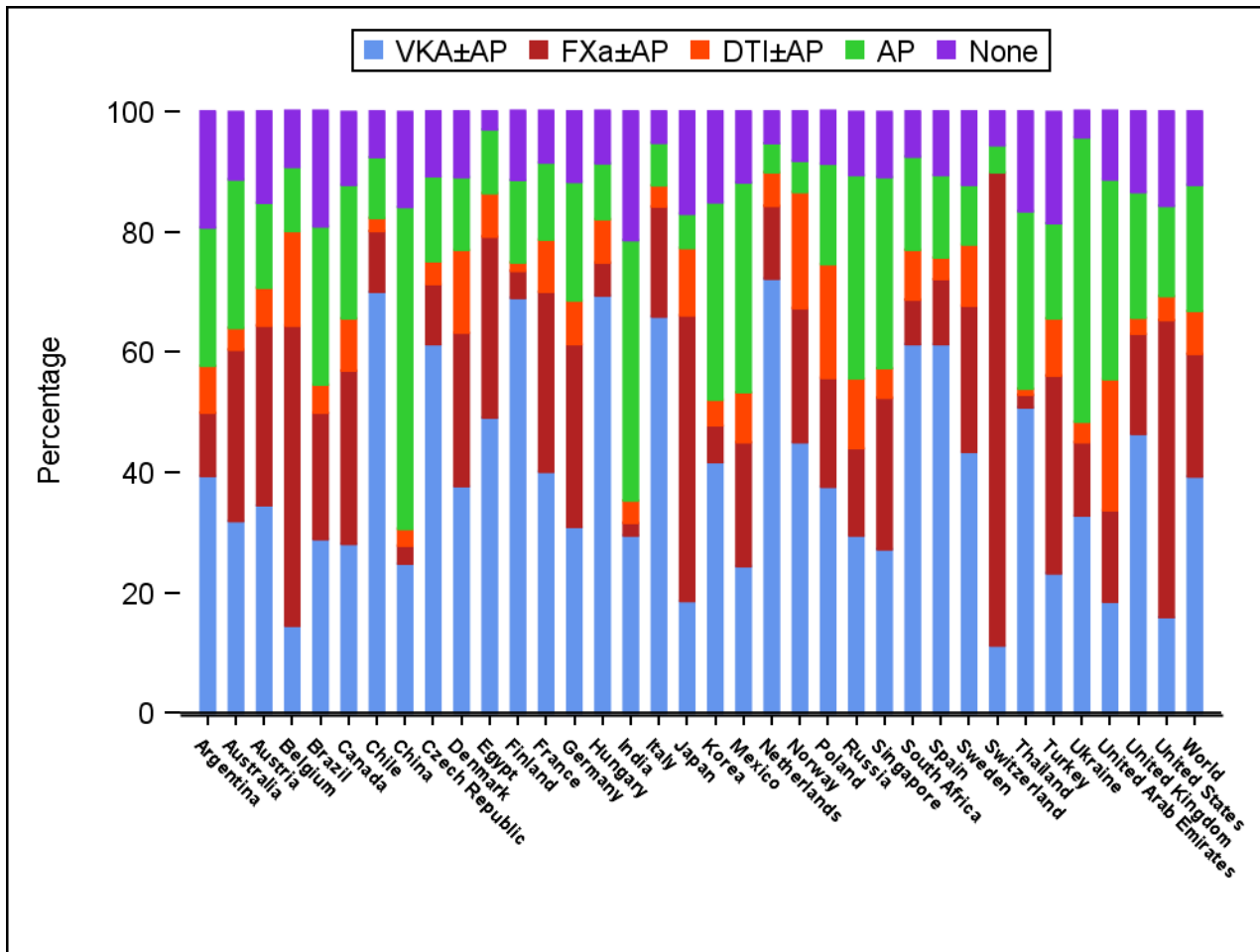
Treatment at diagnosis by country

Global enrolment of Prospective patients

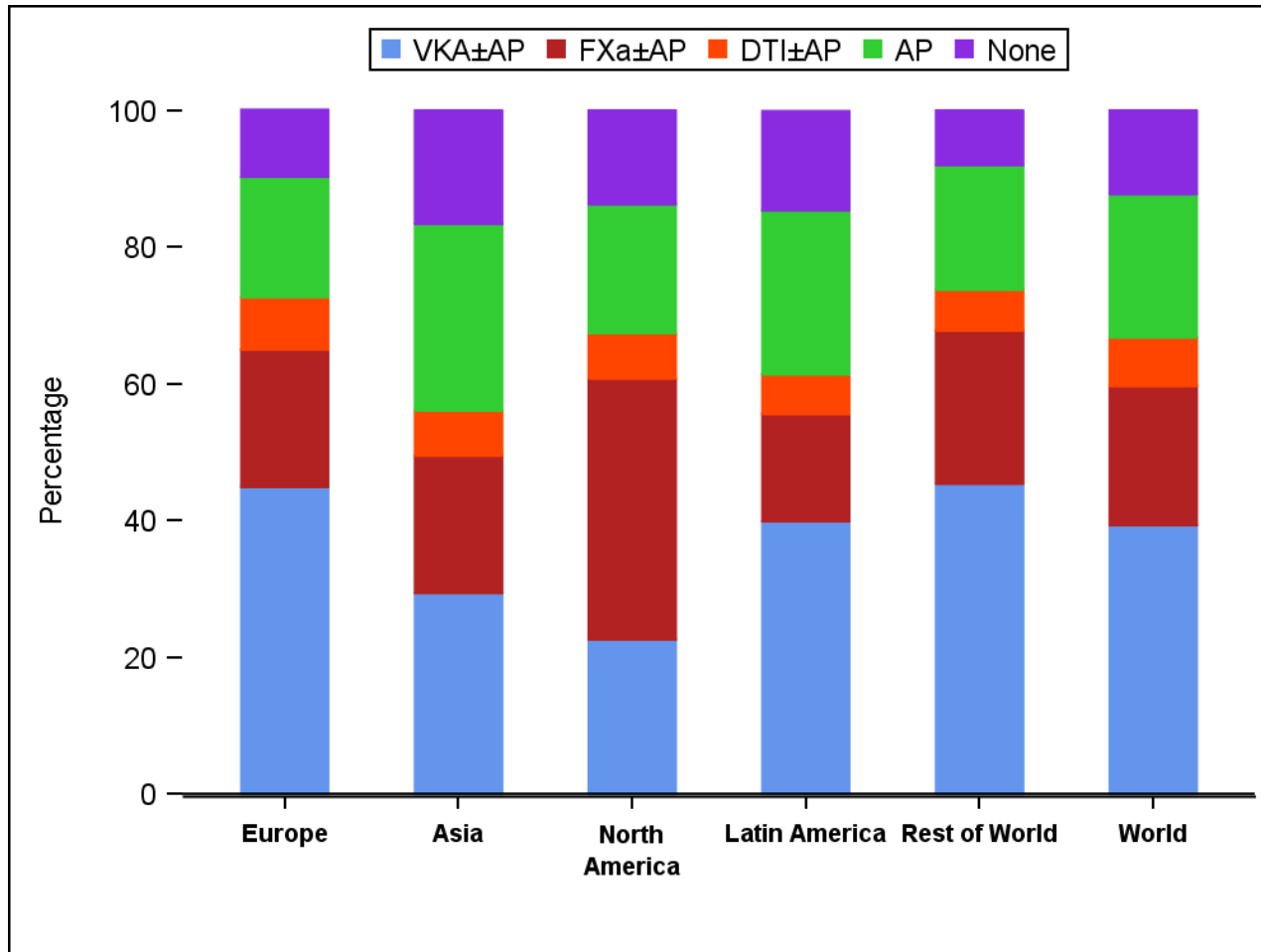
Region	n	%
Europe	29167	56
Asia	14988	28.8
North America	1618	3.1
Latin America	4247	8.2
Rest of World	2061	4
Total	52081	100



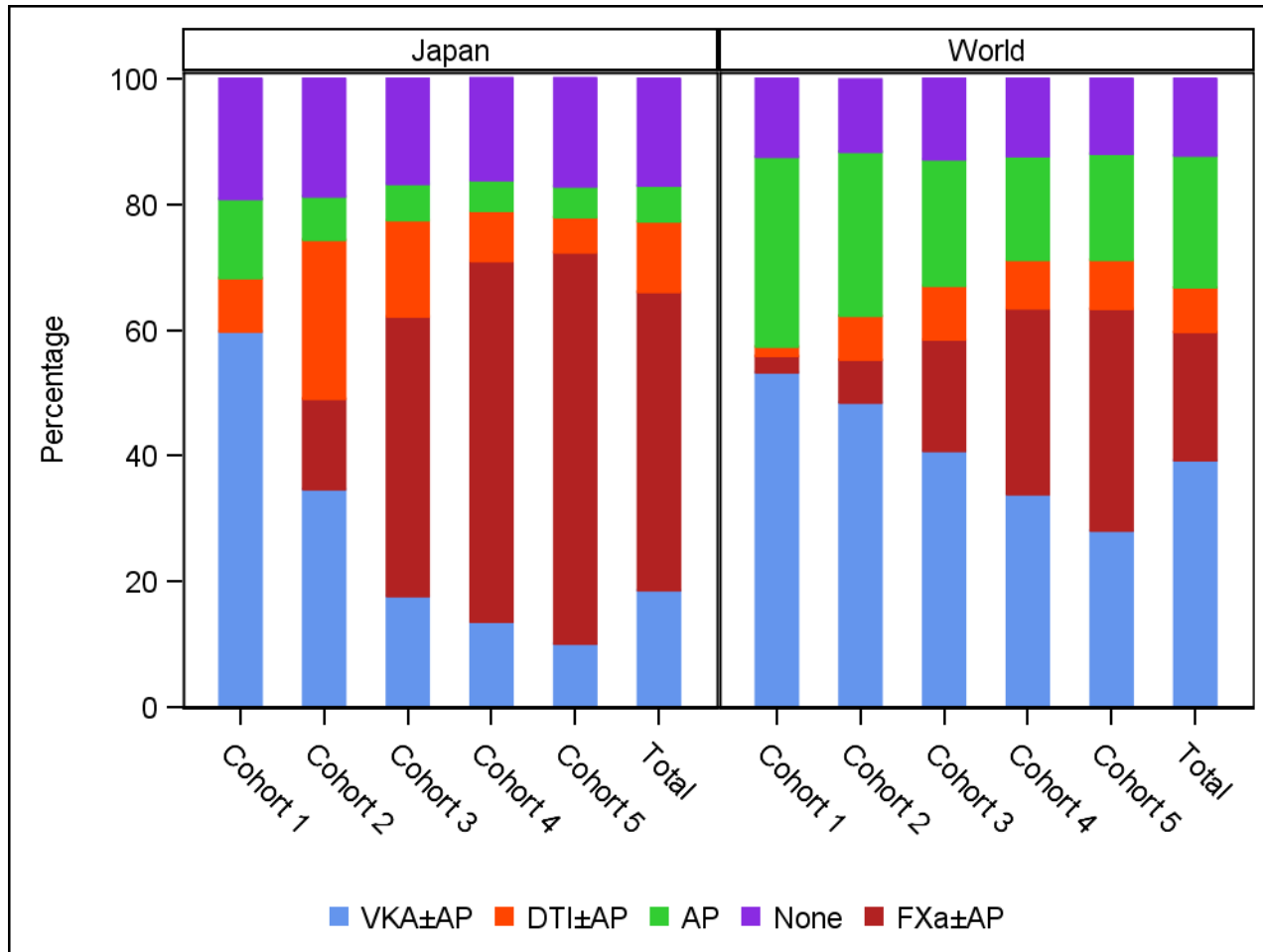
Treatment at diagnosis by country



Treatment at diagnosis by region



Treatment at diagnosis by cohort



Baseline characteristics

		Japan N=(4859)	World N=(52081)
Sex	Female, n (%)	1954 (40.2)	23015 (44.2)
Age at Diagnosis (Years)	mean (sd)	71.2 (11.8)	69.7 (11.5)
Age Group	<65, n (%)	1218 (25.1)	15716 (30.2)
	65-74, n (%)	1601 (32.9)	16956 (32.6)
	>=75, n (%)	2040 (42.0)	19409 (37.3)
BMI (kg/m ²)	mean (sd)	24.0 (3.8)	27.8 (5.7)
Pulse (bpm)	mean (sd)	86.3 (23.2)	90.4 (26.7)
Systolic BP (mm Hg)	mean (sd)	129.4 (18.7)	133.5 (19.8)
Diastolic BP (mm Hg)	mean (sd)	76.6 (13.6)	79.7 (12.9)
Congestive heart failure	n (%)	1197 (24.6)	10405 (20.0)
Coronary artery disease	n (%)	501 (10.3)	11251 (21.6)
Acute coronary syndrome	n (%)	182 (3.7)	4914 (9.5)
Carotid Occlusive Disease	n (%)	101 (2.1)	1546 (3.0)
Cirrhosis	n (%)	18 (0.4)	296 (0.6)

Baseline characteristics

		Japan N=(4859)	World N=(52081)
Diabetes	n (%)	887 (18.3)	11550 (22.2)
History of Bleeding	n (%)	73 (1.5)	1320 (2.5)
Hypercholesterolaemia	n (%)	1416 (29.2)	20975 (41.6)
PE or DVT	n (%)	25 (0.5)	1356 (2.6)
Stroke/TIA	n (%)	464 (9.5)	5961 (11.4)
Treatment Sector	In the private sector, n (%)	4035 (87.9)	12547 (28.5)
	In the public sector, n (%)	556 (12.1)	31431 (71.5)

Baseline characteristics

		Japan N=(4859)	World N=(52081)
CHADS2 Score	mean (sd)	1.8 (1.2)	1.9 (1.1)
CHA2DS2-VASc Score	mean (sd)	3.0 (1.6)	3.2 (1.6)
HAS BLED Score	mean (sd)	1.2 (0.9)	1.4 (0.9)

Baseline characteristics

		Japan N=(4859)	World N=(52081)
Systemic Embolization	n (%)	14 (0.3)	336 (0.6)
Type of AF Diagnosed	New, n (%)	271 (5.6)	23366 (44.9)
	Paroxysmal, n (%)	2970 (61.1)	14313 (27.5)
	Permanent, n (%)	500 (10.3)	6639 (12.7)
Care Setting Speciality at Diagnosis	Persistent, n (%)	1118 (23.0)	7761 (14.9)
	Cardiology, n (%)	4423 (91.0)	34219 (65.7)
	Geriatrics, n (%)	1 (0.0)	202 (0.4)
	Internal Medicine, n (%)	382 (7.9)	9372 (18.0)
	Neurology, n (%)	14 (0.3)	876 (1.7)
	Primary Care/General Practice, n (%)	39 (0.8)	7410 (14.2)

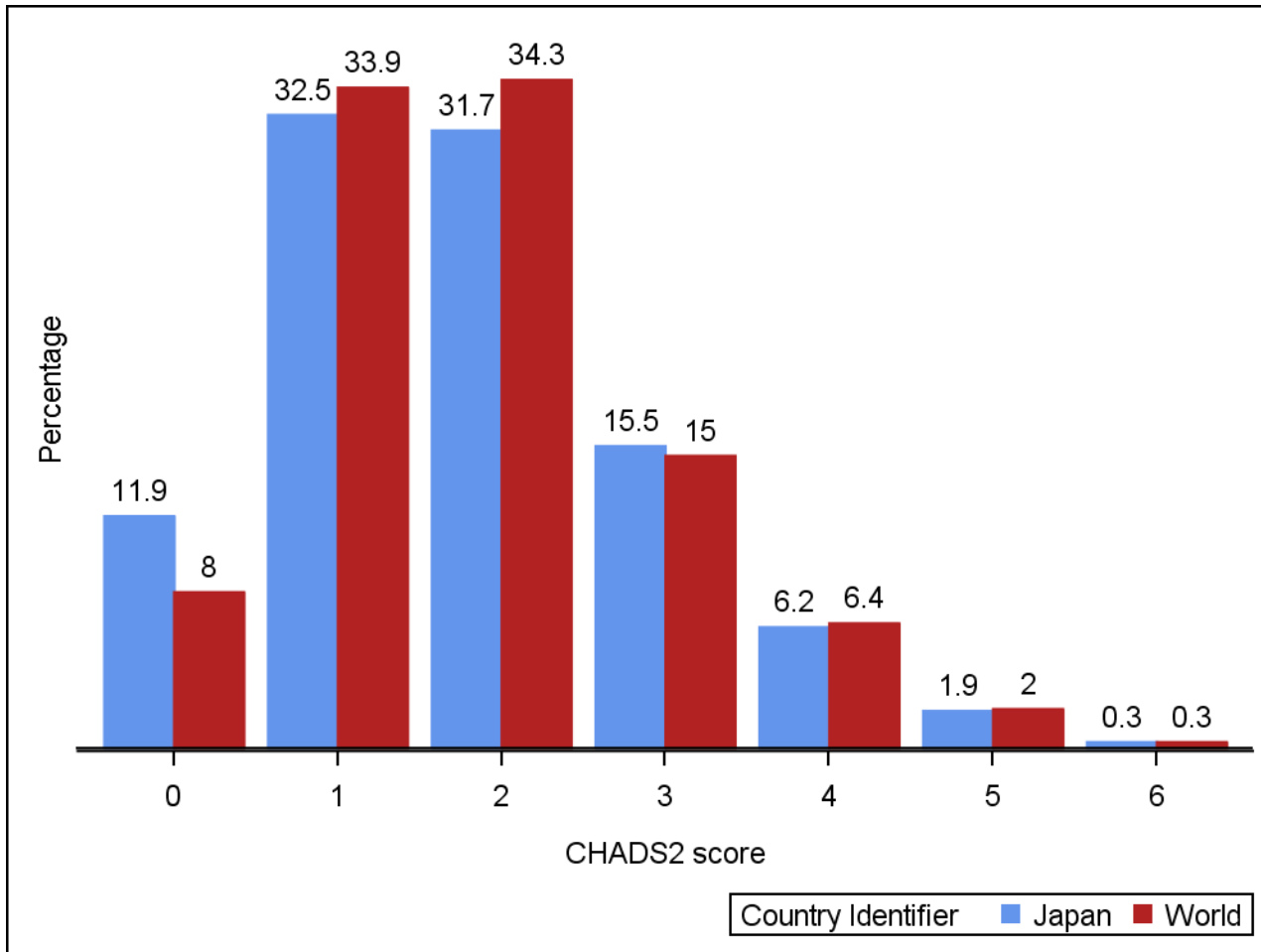
Main reason anticoagulant not used for patients with $CHA_2DS_2-VASc \geq 2$.

	Cohort 1&2			
	Japan		World	
	(N=142)	(N=4137)	(N=4137)	(N=4137)
	n	%	n	%
Patients with $CHA_2DS_2-VASc \geq 2$ and no AC treatment at diagnosis				
Alcohol abuse			20	(0.5)
Already taking anti-platelet drugs for other medical condition	5	(3.5)	228	(5.5)
Patient refusal	5	(3.5)	336	(8.1)
Previous bleeding event			63	(1.5)
Taking medication contraindicated or cautioned for use with VKA or AC	1	(0.7)	19	(0.5)
Other	13	(9.2)	505	(12.2)
Unknown	6	(4.2)	889	(21.5)
Physician's choice	112	(78.9)	2077	(50.2)
Physician's choice - Bleeding risk	8	(5.6)	263	(6.4)
Physician's choice - Concern over patient compliance	10	(7.0)	182	(4.4)
Physician's choice - Guideline recommendation			105	(2.5)
Physician's choice - Fall risk	2	(1.4)	197	(4.8)
Physician's choice - Low risk of stroke			326	(7.9)
Physician's choice - Other	92	(64.8)	1004	(24.3)
Total	142	(100.0)	4137	(100.0)

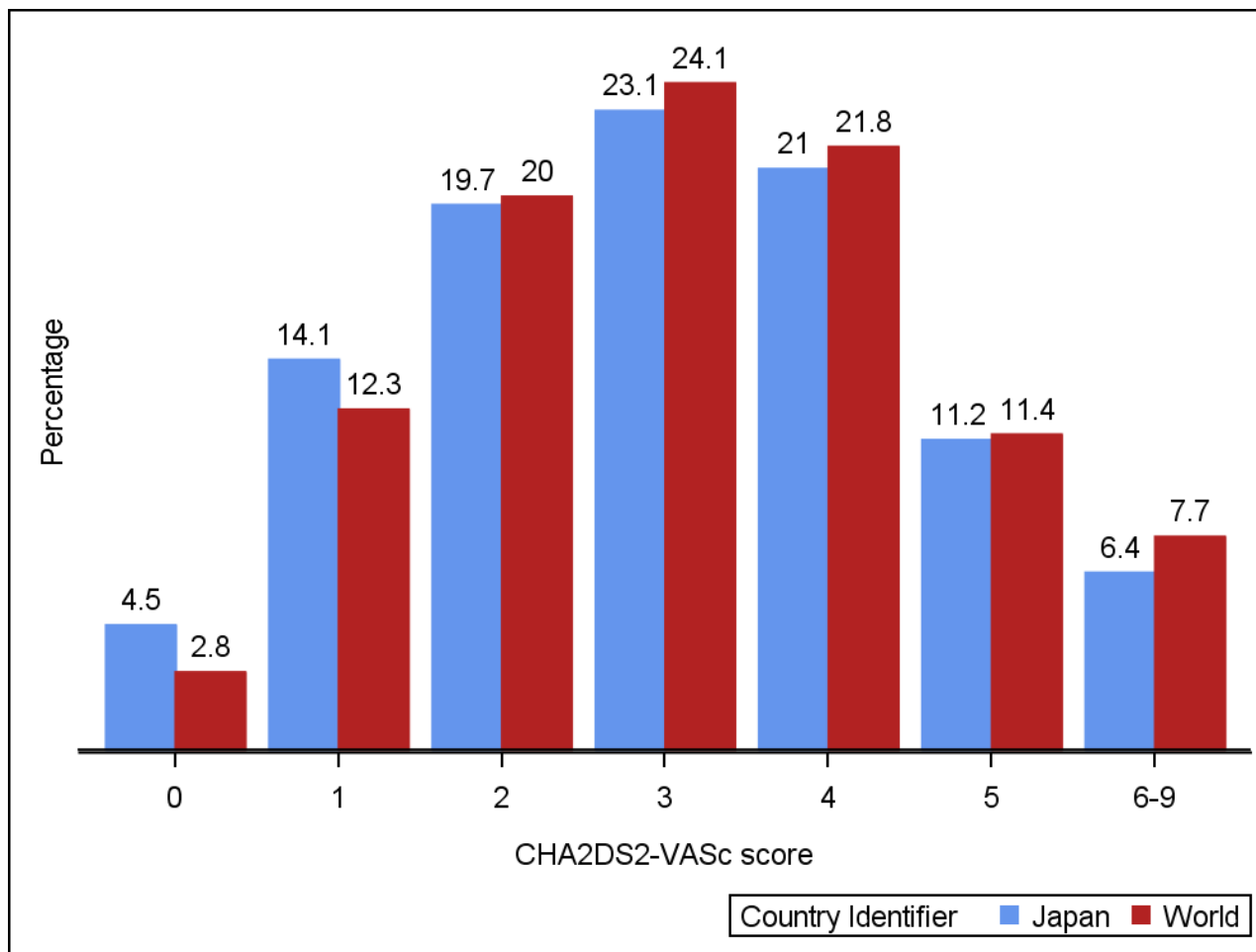
Main reason anticoagulant not used for patients with CHA₂DS₂-VASc ≥2.

	Cohort 3&4&5			
	Japan		World	
	(N=564)		(N=6117)	
	n	%	n	%
Patients with CHA ₂ DS ₂ -VASc ≥2 and no AC treatment at diagnosis				
Alcohol abuse	1	(0.2)	32	(0.5)
Already taking anti-platelet drugs for other medical condition	46	(8.2)	422	(6.9)
Patient refusal	32	(5.7)	645	(10.5)
Previous bleeding event	8	(1.4)	151	(2.5)
Taking medication contraindicated or cautioned for use with VKA or AC			63	(1.0)
Other	213	(37.8)	1326	(21.7)
Unknown	146	(25.9)	1597	(26.1)
Physician's choice	118	(20.9)	1881	(30.8)
Physician's choice - Bleeding risk	49	(8.7)	611	(10.0)
Physician's choice - Concern over patient compliance	15	(2.7)	248	(4.1)
Physician's choice - Guideline recommendation	4	(0.7)	189	(3.1)
Physician's choice - Fall risk	4	(0.7)	205	(3.4)
Physician's choice - Low risk of stroke	46	(8.2)	628	(10.3)
Total	564	(100.0)	6117	(100.0)

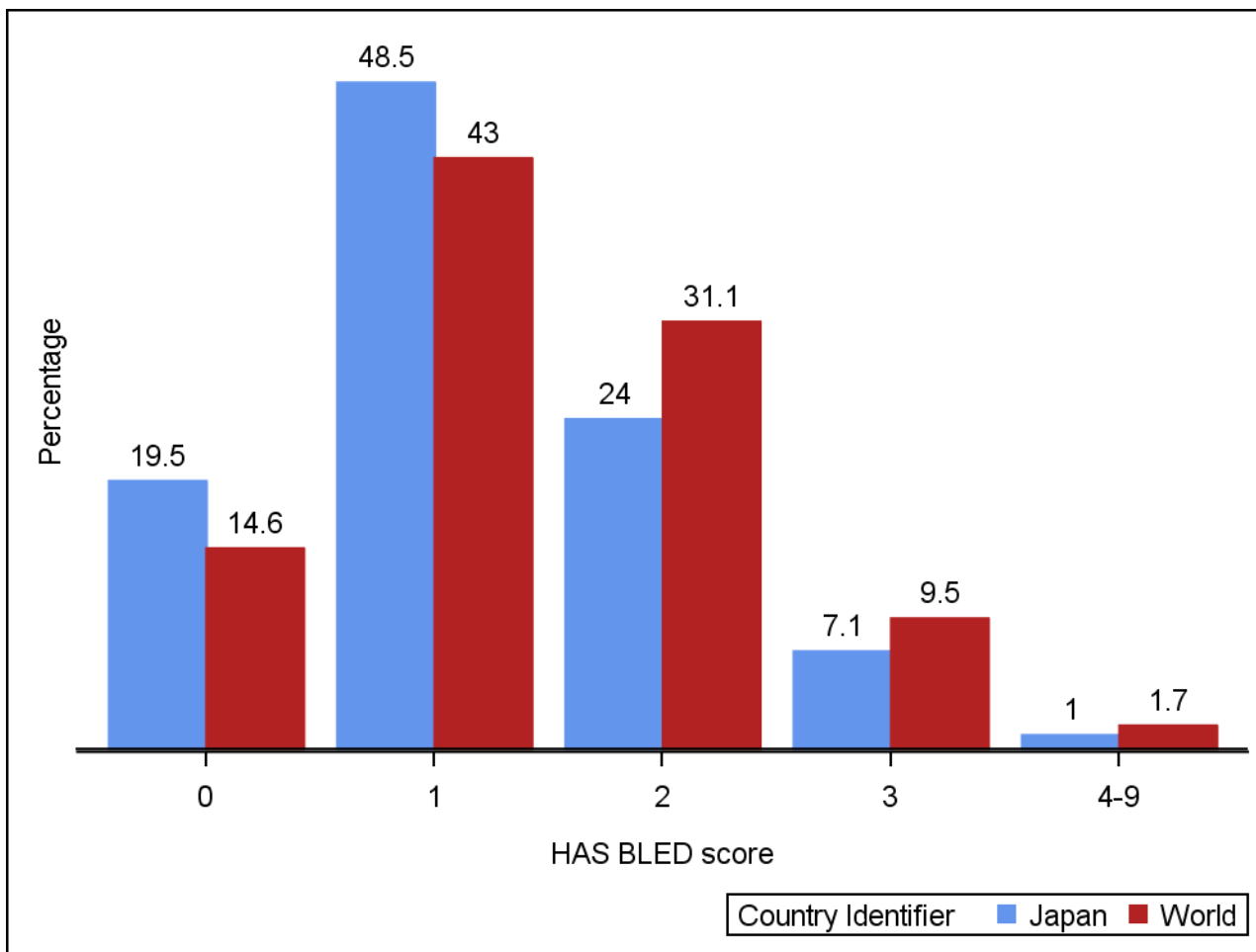
Stroke risk profile: CHADS₂



Stroke risk profile: CHA₂DS₂ VASc



Stroke risk profile: HAS BLED



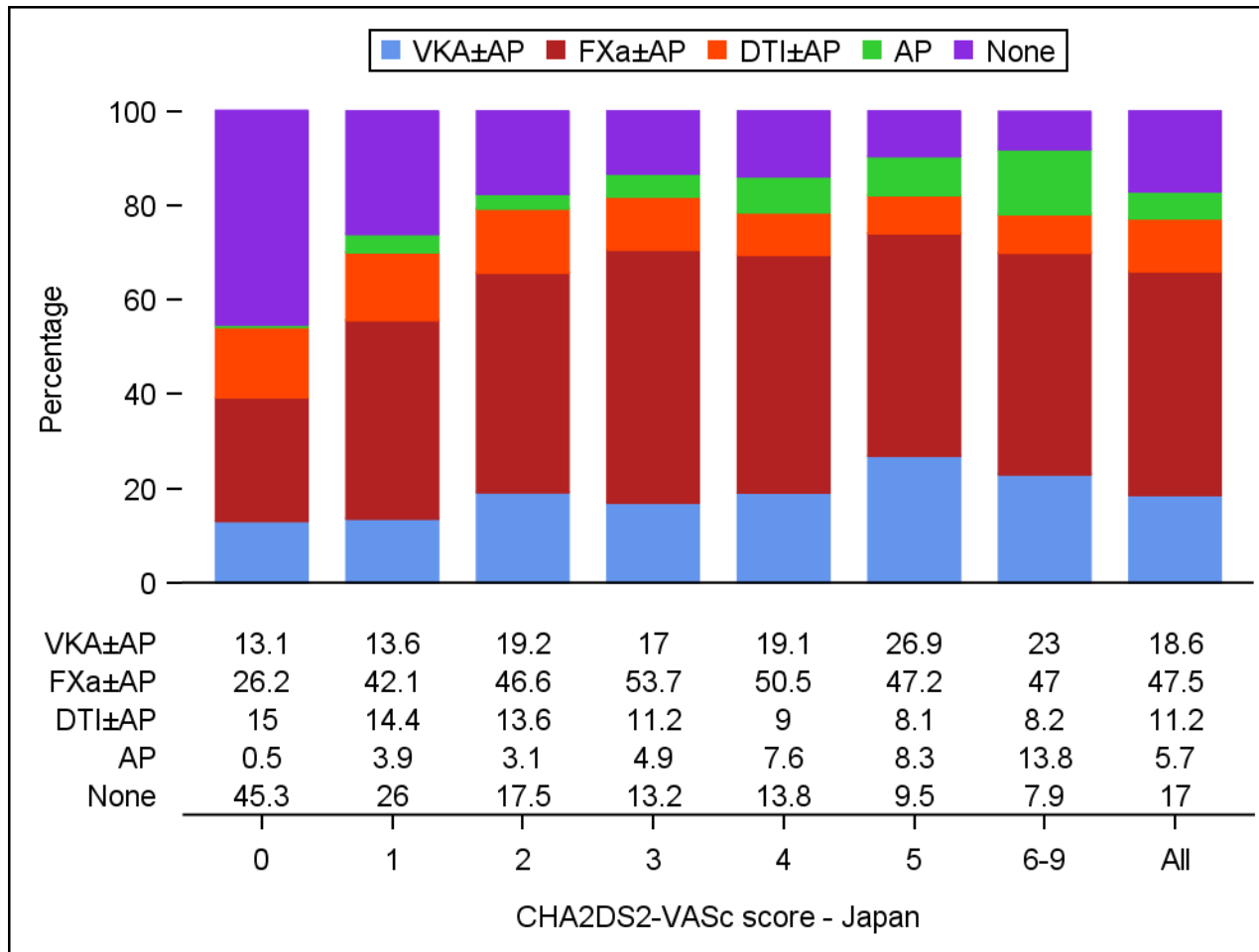
Treatment at diagnosis by CHA₂DS₂-VASc score - Japan

CHA ₂ DS ₂ -VASc		VKA±AP	FXa±AP	DTI±AP	AP	None	Unknown	Total
		n	n	n	n	n	n	n
Japan	Unknown	12	43	6	5	31	1	98
	0	28	56	32	1	97	1	215
	1	91	281	96	26	174	2	670
	2	180	437	127	29	164	1	938
	3	186	586	122	54	144	6	1098
	4	190	503	90	76	138	5	1002
	5	142	249	43	44	50	3	531
	6-9	70	143	25	42	24	3	307

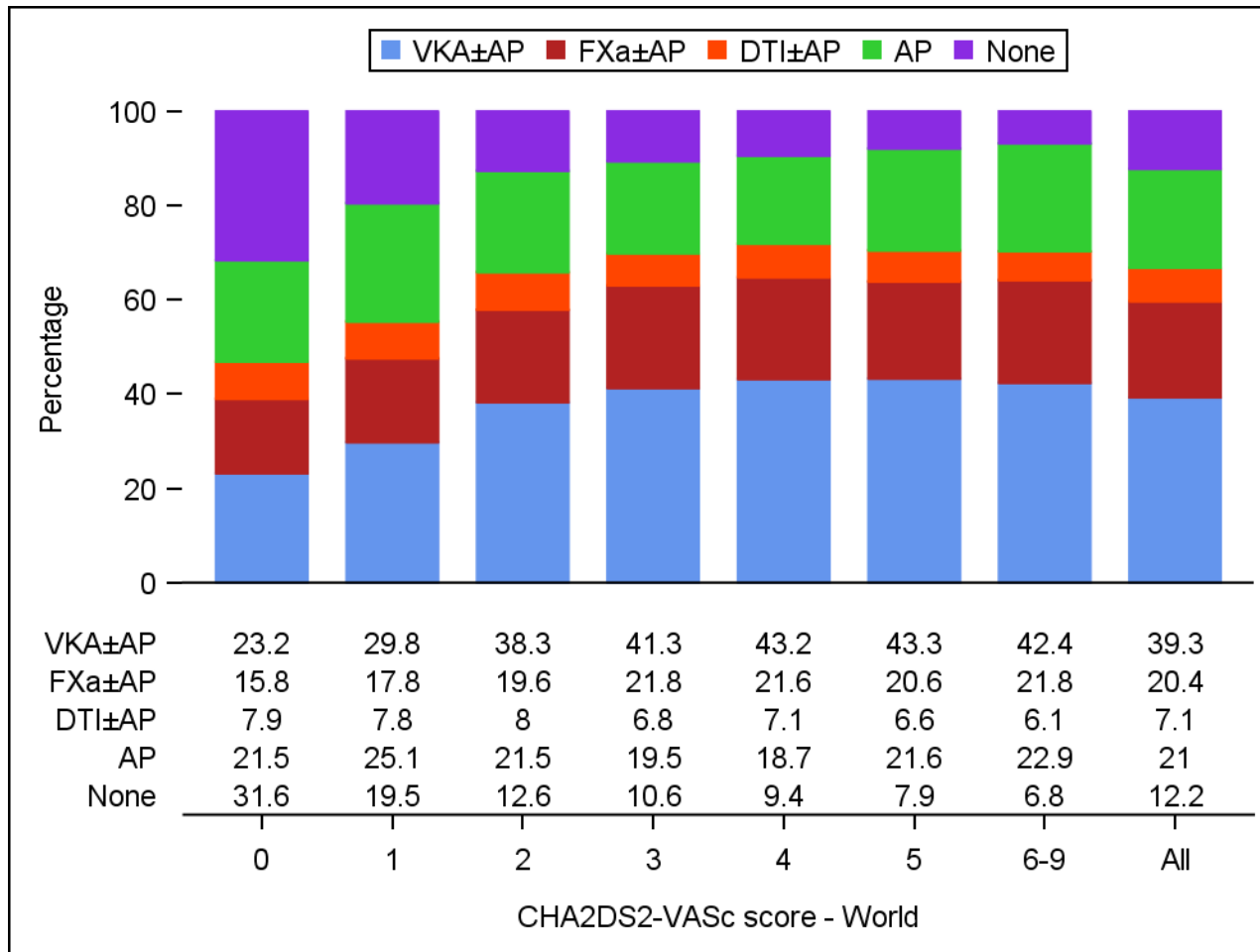
Treatment at diagnosis by CHA2DS2-VASc score - World

CHA2DS2-VASc		VKA±AP	FXa±AP	DTI±AP	AP	None	Unknown	Total
		n	n	n	n	n	n	n
World	Unknown	461	227	62	286	330	14	1380
	0	325	221	111	302	443	16	1418
	1	1830	1097	479	1545	1196	66	6213
	2	3835	1960	806	2154	1261	125	10141
	3	4969	2625	817	2345	1275	164	12195
	4	4711	2352	772	2043	1028	168	11074
	5	2458	1169	375	1224	449	98	5773
	6-9	1616	831	234	872	261	73	3887

Treatment at diagnosis



Treatment at diagnosis



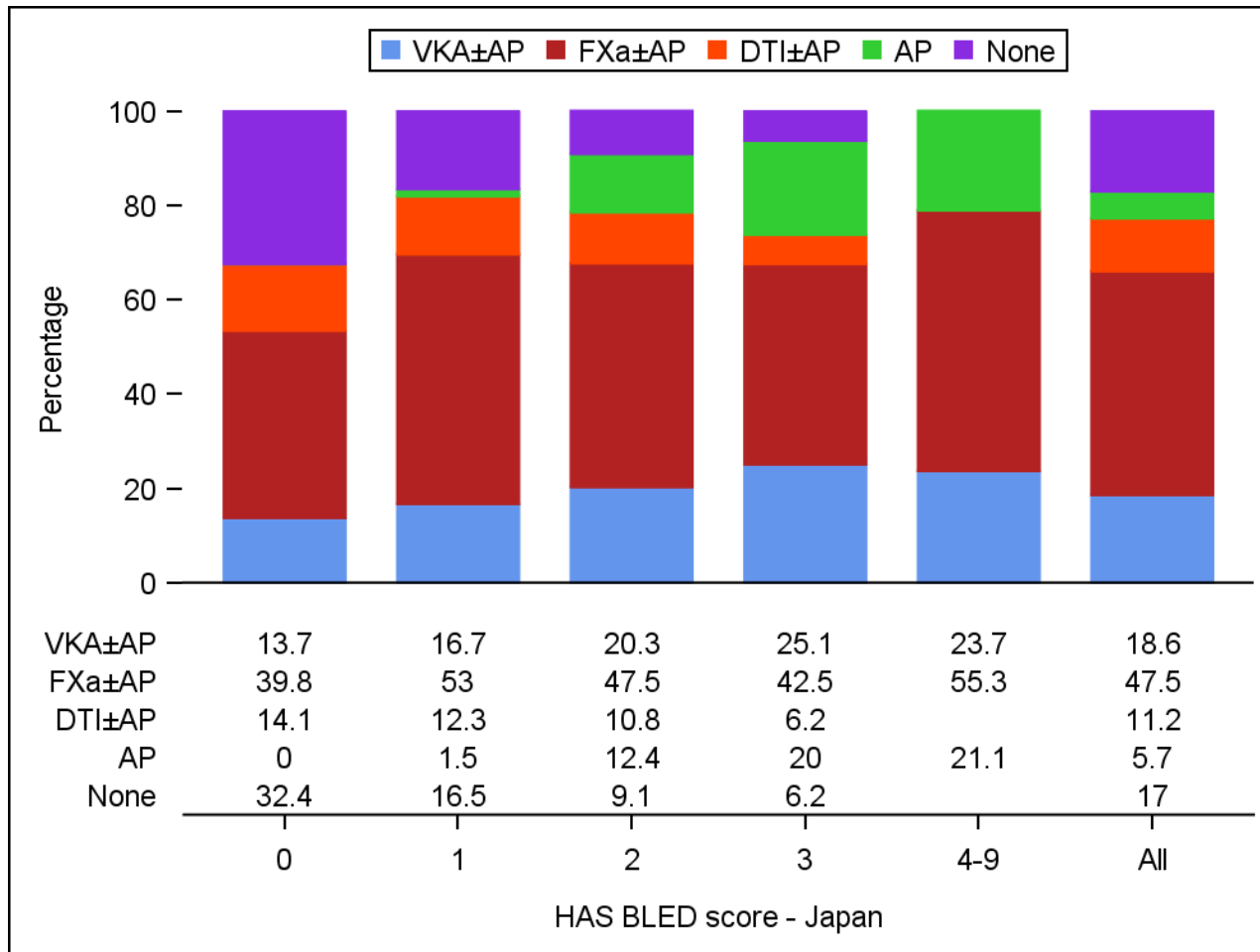
Treatment at diagnosis by HAS BLED score - Japan

HASBLED		VKA±AP	FXa±AP	DTI±AP	AP	None	Unknown	Total	
		n	n	n	n	n	n	N	n
Japan	Unknown	208	398	81	69	157	4	917	917
	0	105	305	108	0	248	3	769	769
	1	318	1011	234	29	315	4	1911	1911
	2	190	446	101	116	85	8	946	946
	3	69	117	17	55	17	3	278	278
	4-9	9	21	0	8	0	0	38	38

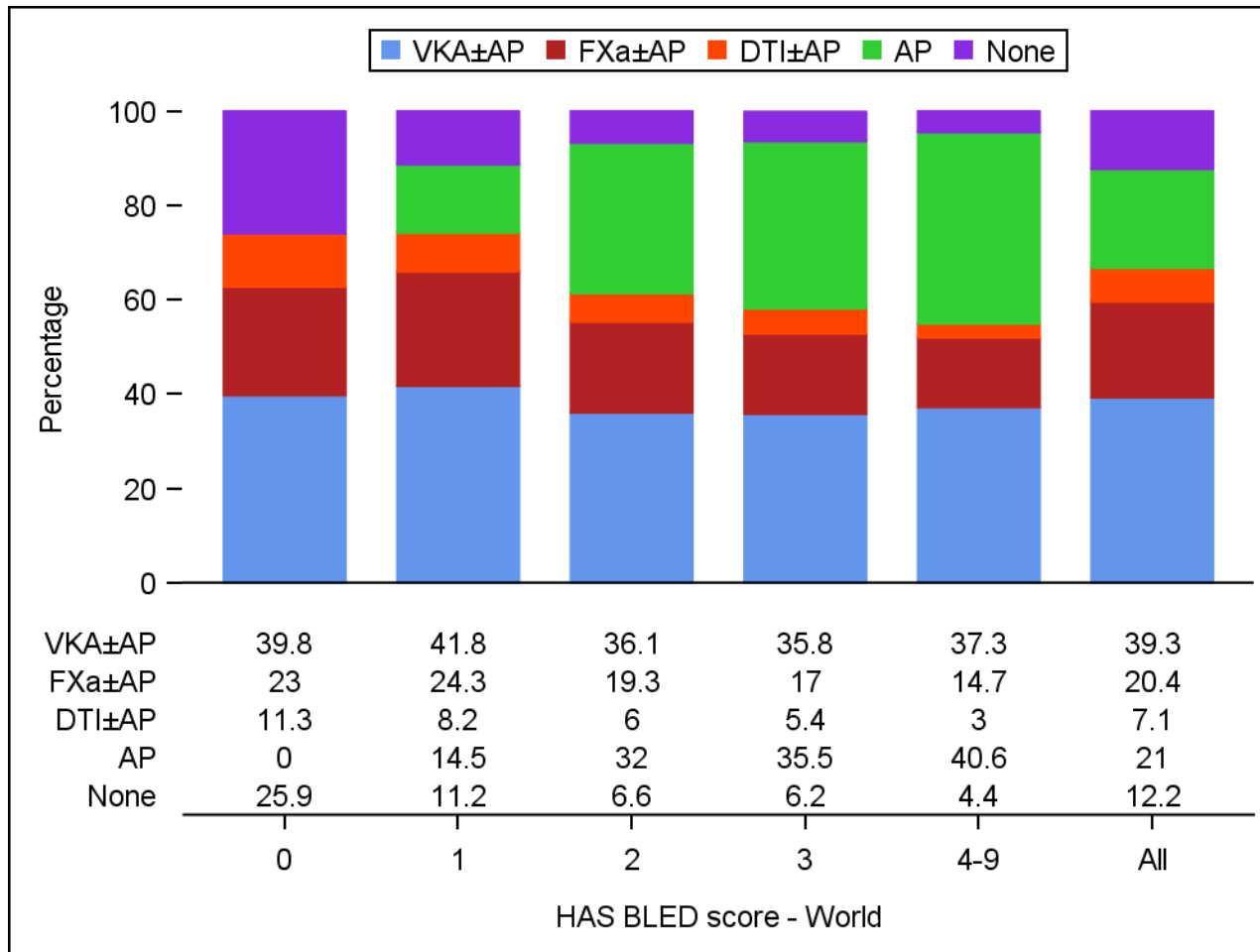
Treatment at diagnosis by HAS BLED score - World

HASBLED		VKA±AP	FXa±AP	DTI±AP	AP	None	Unknown	Total
		n	n	n	n	n	n	n
World	Unknown	5750	2456	843	3271	2060	147	14527
	0	2144	1242	611	0	1394	96	5487
	1	6650	3866	1303	2302	1779	254	16154
	2	4165	2225	689	3689	763	163	11694
	3	1258	599	191	1250	219	53	3570
	4-9	238	94	19	259	28	11	649

Treatment at diagnosis



Treatment at diagnosis



INR values and time in therapeutic range

Variable	Statistics	Japan (N = 899) n %	World (N = 20205) n %
INR value, n(%)	n (missing)	5028 (315)	157134 (8319)
	<2	3404 (67.7)	50514 (32.1)
	2-3	1451 (28.9)	81056 (51.6)
	>3	173 (3.4)	25564 (16.3)
INR value	n (missing)	5028 (315)	157134 (8319)
	Mean (SD)	1.8 (0.6)	2.4 (0.9)
	Median (IQR)	1.7 (1.4 to 2.1)	2.3 (1.8 to 2.8)
	Min to Max	0.8 to 12.0	0.8 to 20.0
TTR, n(%)	n (missing)	573 (326)	11485 (8720)
	<65	486 (84.8)	6734 (58.6)
	>=65	87 (15.2)	4751 (41.4)
TTR	n (missing)	573 (326)	11485 (8720)
	Mean (SD)	29.0 (29.0)	55.2 (27.3)
	Median (IQR)	20.9 (0.0 to 49.2)	59.0 (37.0 to 76.1)
	Min to Max	0.0 to 100.0	0.0 to 100.0

Event rates during the first year of follow-up (rates per 100 person-years)

	Japan		World	
	Events	Rate (95% CI)	Events	Rate (95% CI)
Death	95	2.13 (1.74 to 2.61)	2103	4.38 (4.20 to 4.57)
Cardiovascular Death	27	0.61 (0.42 to 0.88)	789	1.64 (1.53 to 1.76)
Non-cardiovascular death	38	0.85 (0.62 to 1.17)	771	1.61 (1.50 to 1.72)
Undetermined Cause	30	0.67 (0.47 to 0.96)	543	1.13 (1.04 to 1.23)
Stroke/SE	56	1.26 (0.97 to 1.64)	650	1.36 (1.26 to 1.47)
Major Bleeding	14	0.32 (0.19 to 0.53)	407	0.85 (0.77 to 0.94)
Acute coronary syndrome	15	0.34 (0.20 to 0.56)	378	0.79 (0.71 to 0.87)
Congestive hearth failure	67	1.51 (1.19 to 1.92)	1052	2.22 (2.09 to 2.35)

Cause of death during the first year of follow-up

	Japan		World	
	n	%	n	%
Cardiovascular causes				
Congestive heart failure	12	44.4	262	33.2
Sudden or unwitnessed death	2	7.4	127	16.1
Myocardial infarction	3	11.1	89	11.3
Non-haemorrhagic stroke (Ischemic Stroke)	2	7.4	86	10.9
Non Cardiovascular causes				
Malignancy	11	28.9	233	30.2
Respiratory failure	6	15.8	142	18.4
Infection	5	13.2	81	10.5
Sepsis	1	2.6	74	9.6

Type of stroke during the first year of follow-up

	Japan		World	
	n	%	n	%
Stroke (not including systemic embolism)	55	1.13	585	1.12
Primary Ischemic	35	0.72	406	0.78
of which secondary hemorrhagic ischemic	4	0.08	22	0.04
Primary intracerebral hemorrhage	8	0.16	71	0.14
Intracerebral	5	0.10	44	0.08
Intraventricular			9	0.02
Subarachnoid	3	0.06	13	0.02
Undetermined	12	0.25	108	0.21

Severity of bleeding during the first year of follow-up

Outcome	Japan		World	
	n	%	n	%
Major Bleed	14	0.03	407	0.78
Non-Major Clinically Relevant	37	0.07	645	1.24
Minor	91	0.18	1167	2.24
Unknown	14	0.03	136	0.26