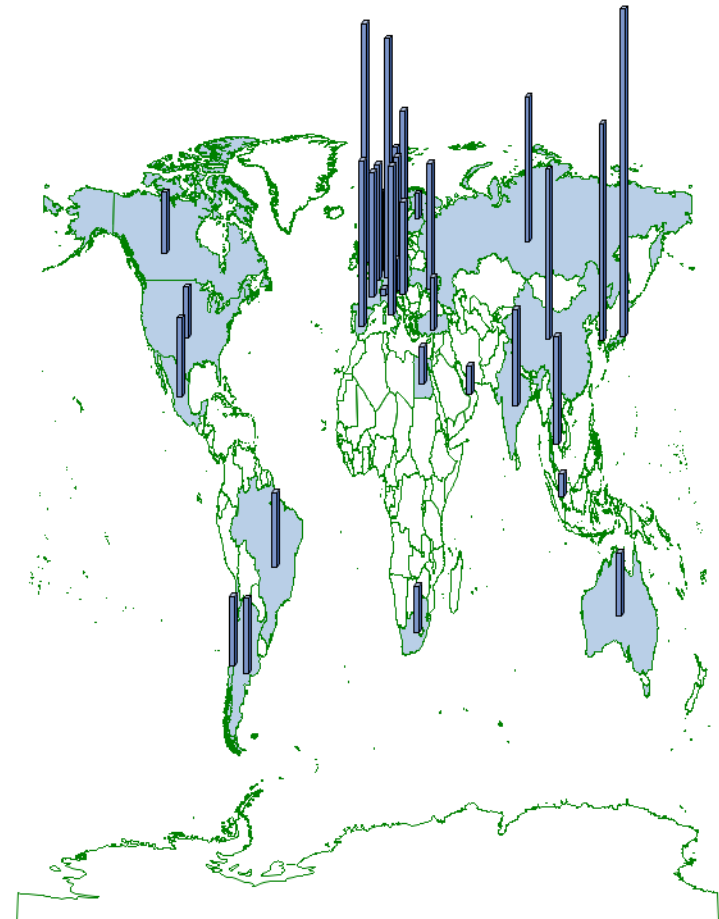

Korea

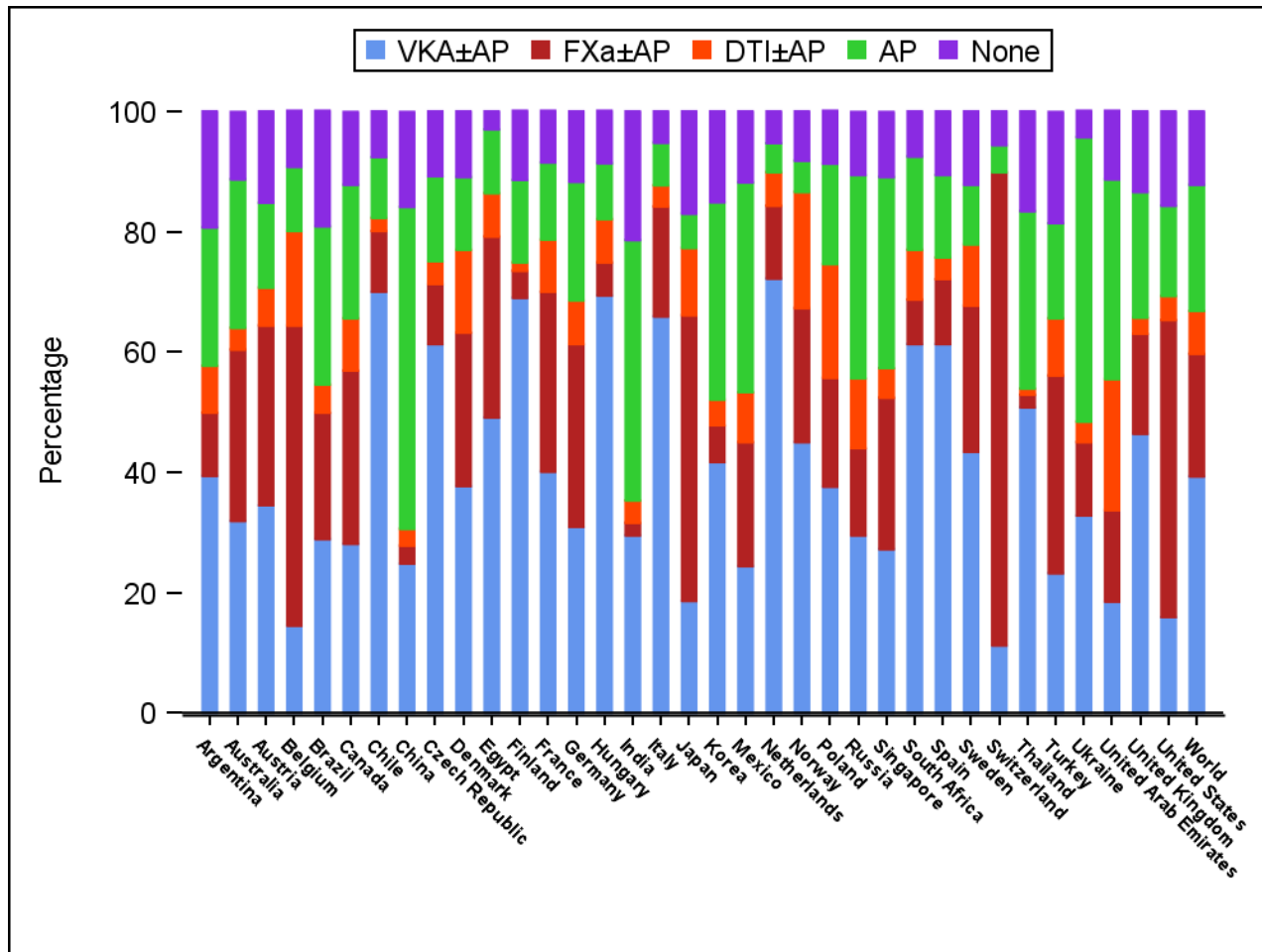
Treatment at diagnosis by country

Global enrolment of Prospective patients

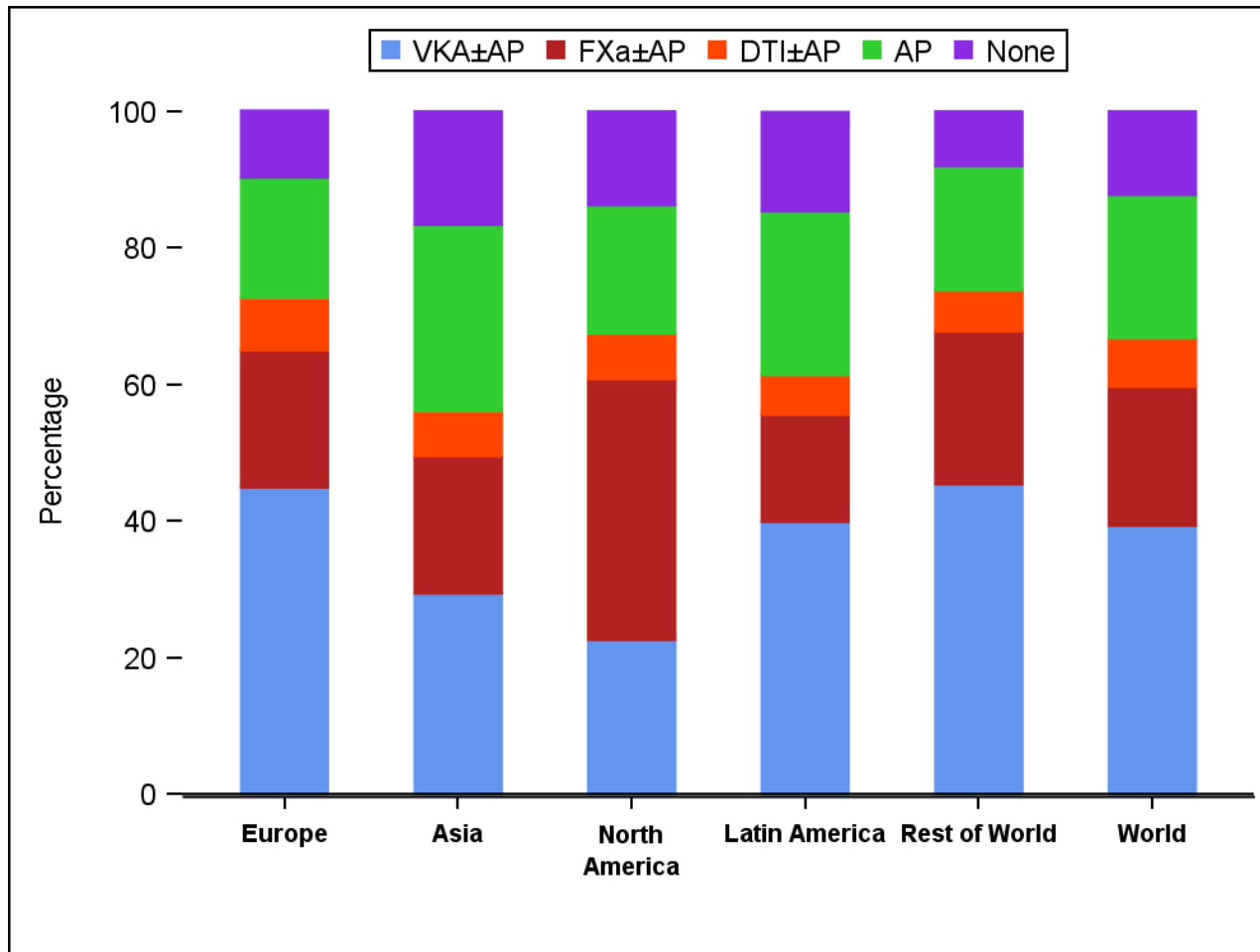
Region	n	%
Europe	29167	56
Asia	14988	28.8
North America	1618	3.1
Latin America	4247	8.2
Rest of World	2061	4
Total	52081	100



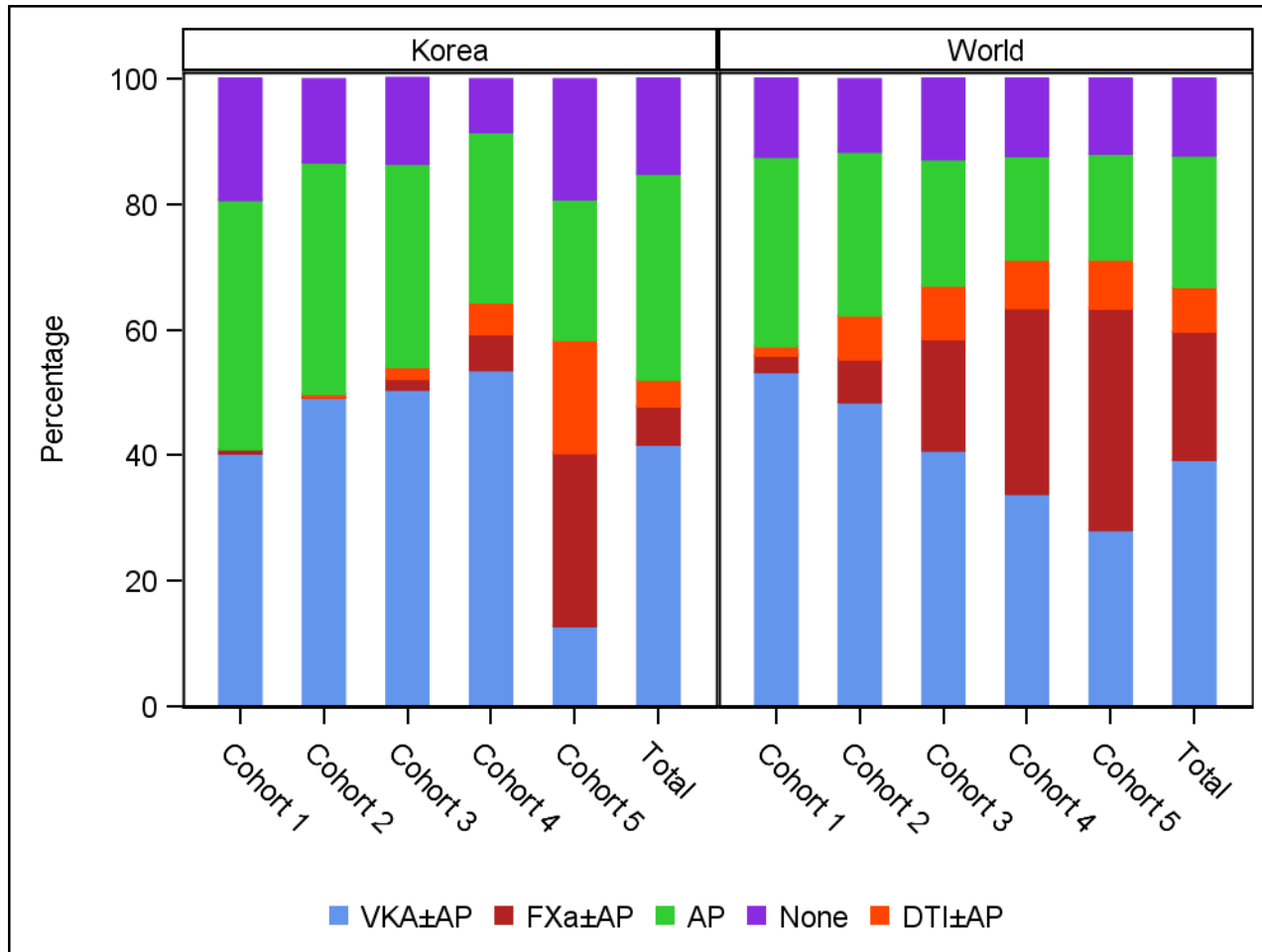
Treatment at diagnosis by country



Treatment at diagnosis by region



Treatment at diagnosis by cohort



Baseline characteristics

		Korea N=(3214)	World N=(52081)
Sex	Female, n (%)	1175 (36.6)	23015 (44.2)
Age at Diagnosis (Years)	mean (sd)	64.9 (11.3)	69.7 (11.5)
Age Group	<65, n (%)	1445 (45.0)	15716 (30.2)
	65-74, n (%)	1110 (34.5)	16956 (32.6)
	>=75, n (%)	659 (20.5)	19409 (37.3)
BMI (kg/m ²)	mean (sd)	24.8 (3.3)	27.8 (5.7)
Pulse (bpm)	mean (sd)	83.7 (21.2)	90.4 (26.7)
Systolic BP (mm Hg)	mean (sd)	125.1 (18.0)	133.5 (19.8)
Diastolic BP (mm Hg)	mean (sd)	77.8 (13.8)	79.7 (12.9)
Congestive heart failure	n (%)	464 (14.4)	10405 (20.0)
Coronary artery disease	n (%)	272 (8.5)	11251 (21.6)
Acute coronary syndrome	n (%)	86 (2.7)	4914 (9.5)
Carotid Occlusive Disease	n (%)	30 (0.9)	1546 (3.0)
Cirrhosis	n (%)	24 (0.8)	296 (0.6)

Baseline characteristics

		Korea N=(3214)	World N=(52081)
Diabetes	n (%)	667 (20.8)	11550 (22.2)
History of Bleeding	n (%)	42 (1.3)	1320 (2.5)
Hypercholesterolaemia	n (%)	584 (18.3)	20975 (41.6)
PE or DVT	n (%)	4 (0.1)	1356 (2.6)
Stroke/TIA	n (%)	310 (9.6)	5961 (11.4)
Treatment Sector	In the private sector, n (%)	1210 (59.9)	12547 (28.5)
	In the public sector, n (%)	809 (40.1)	31431 (71.5)

Baseline characteristics

		Korea N=(3214)	World N=(52081)
CHADS2 Score	mean (sd)	1.5 (1.1)	1.9 (1.1)
CHA2DS2-VASc Score	mean (sd)	2.5 (1.5)	3.2 (1.6)
HAS BLED Score	mean (sd)	1.3 (0.8)	1.4 (0.9)

Baseline characteristics

		Korea N=(3214)	World N=(52081)
Systemic Embolization	n (%)	3 (0.1)	336 (0.6)
Type of AF Diagnosed	New, n (%)	1530 (47.6)	23366 (44.9)
	Paroxysmal, n (%)	824 (25.6)	14313 (27.5)
	Permanent, n (%)	200 (6.2)	6639 (12.7)
Care Setting Speciality at Diagnosis	Persistent, n (%)	660 (20.5)	7761 (14.9)
	Cardiology, n (%)	2715 (84.5)	34219 (65.7)
	Geriatrics, n (%)	5 (0.2)	202 (0.4)
	Internal Medicine, n (%)	282 (8.8)	9372 (18.0)
	Neurology, n (%)	29 (0.9)	876 (1.7)
	Primary Care/General Practice, n (%)	183 (5.7)	7410 (14.2)

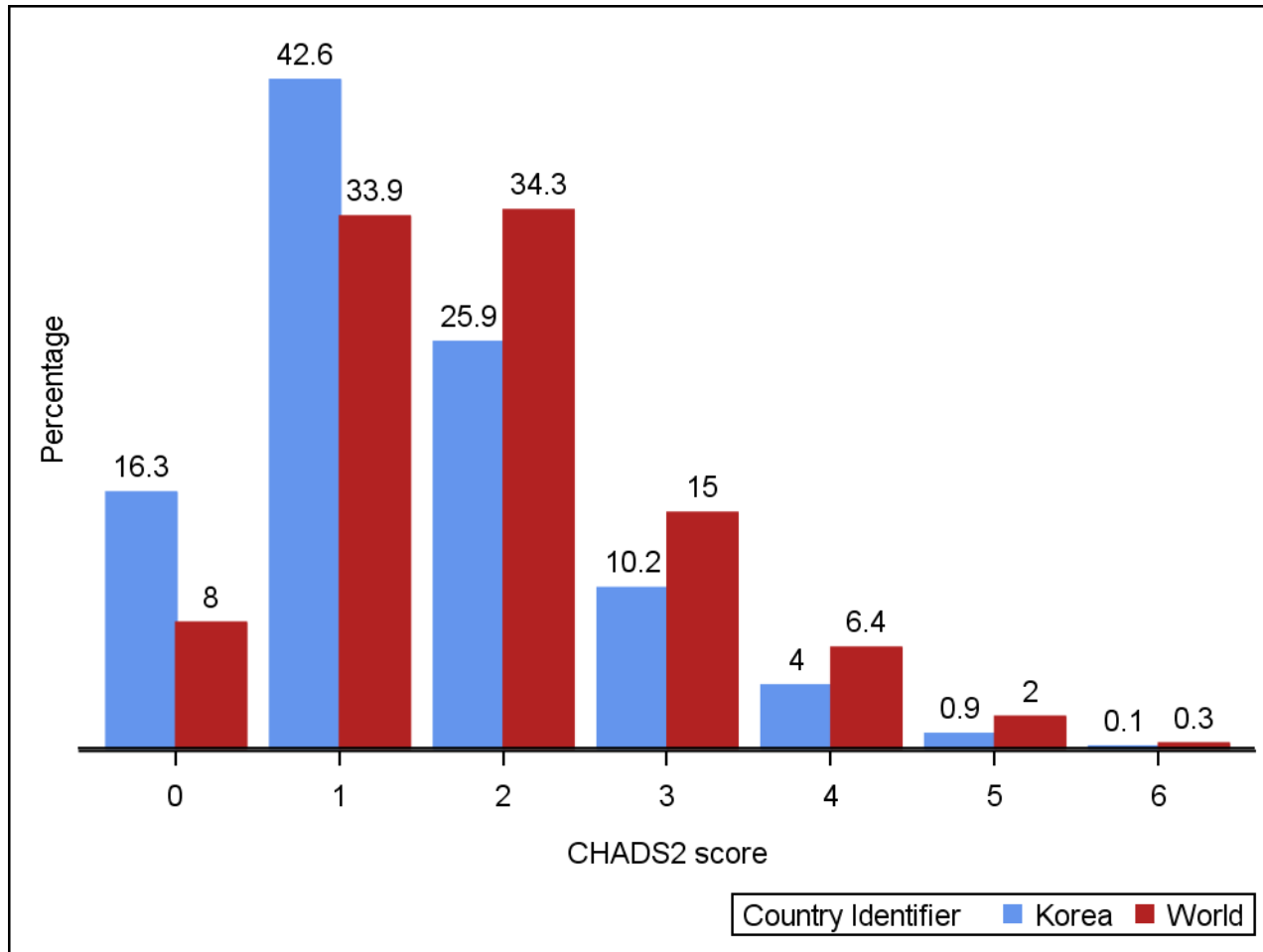
Main reason anticoagulant not used for patients with $CHA_2DS_2-VASc \geq 2$.

	Cohort 1&2			
	Korea (N=508)		World (N=4137)	
	n	%	n	%
Patients with $CHA_2DS_2-VASc \geq 2$ and no AC treatment at diagnosis				
Alcohol abuse	2	(0.4)	20	(0.5)
Already taking anti-platelet drugs for other medical condition	36	(7.1)	228	(5.5)
Patient refusal	5	(1.0)	336	(8.1)
Previous bleeding event	3	(0.6)	63	(1.5)
Taking medication contraindicated or cautioned for use with VKA or AC	1	(0.2)	19	(0.5)
Other	15	(3.0)	505	(12.2)
Unknown	114	(22.4)	889	(21.5)
Physician's choice	332	(65.4)	2077	(50.2)
Physician's choice - Bleeding risk	22	(4.3)	263	(6.4)
Physician's choice - Concern over patient compliance	2	(0.4)	182	(4.4)
Physician's choice - Guideline recommendation	16	(3.1)	105	(2.5)
Physician's choice - Fall risk	3	(0.6)	197	(4.8)
Physician's choice - Low risk of stroke	74	(14.6)	326	(7.9)
Physician's choice - Other	215	(42.3)	1004	(24.3)
Total	508	(100.0)	4137	(100.0)

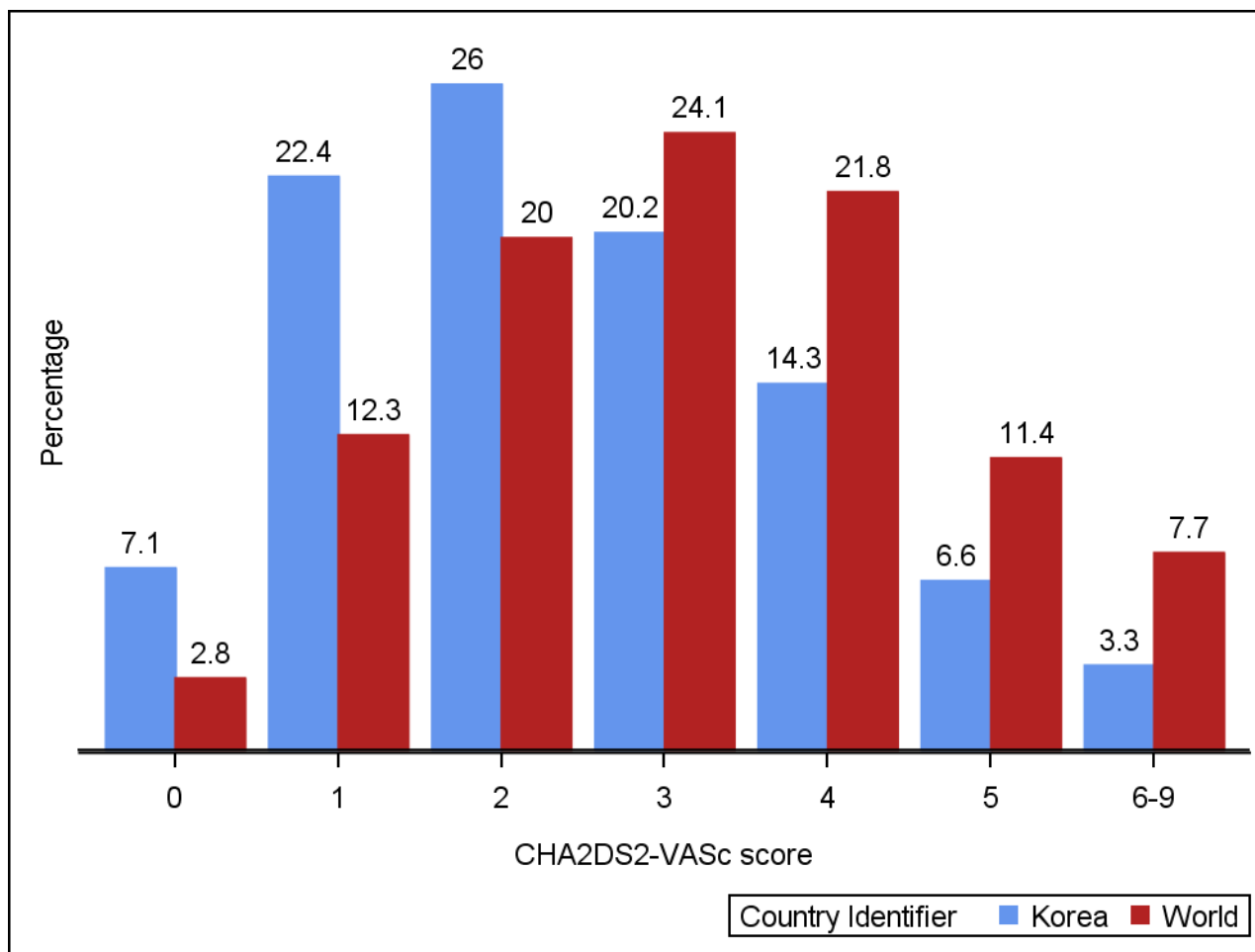
Main reason anticoagulant not used for patients with CHA₂DS₂-VASc ≥2.

	Cohort 3&4&5			
	Korea		World	
	(N=347)		(N=6117)	
	n	%	n	%
Patients with CHA ₂ DS ₂ -VASc ≥2 and no AC treatment at diagnosis				
Alcohol abuse			32	(0.5)
Already taking anti-platelet drugs for other medical condition	31	(8.9)	422	(6.9)
Patient refusal	8	(2.3)	645	(10.5)
Previous bleeding event	1	(0.3)	151	(2.5)
Taking medication contraindicated or cautioned for use with VKA or AC	5	(1.4)	63	(1.0)
Other	47	(13.5)	1326	(21.7)
Unknown	138	(39.8)	1597	(26.1)
Physician's choice	117	(33.7)	1881	(30.8)
Physician's choice - Bleeding risk	12	(3.5)	611	(10.0)
Physician's choice - Concern over patient compliance	7	(2.0)	248	(4.1)
Physician's choice - Guideline recommendation	6	(1.7)	189	(3.1)
Physician's choice - Fall risk	20	(5.8)	205	(3.4)
Physician's choice - Low risk of stroke	72	(20.7)	628	(10.3)
Total	347	(100.0)	6117	(100.0)

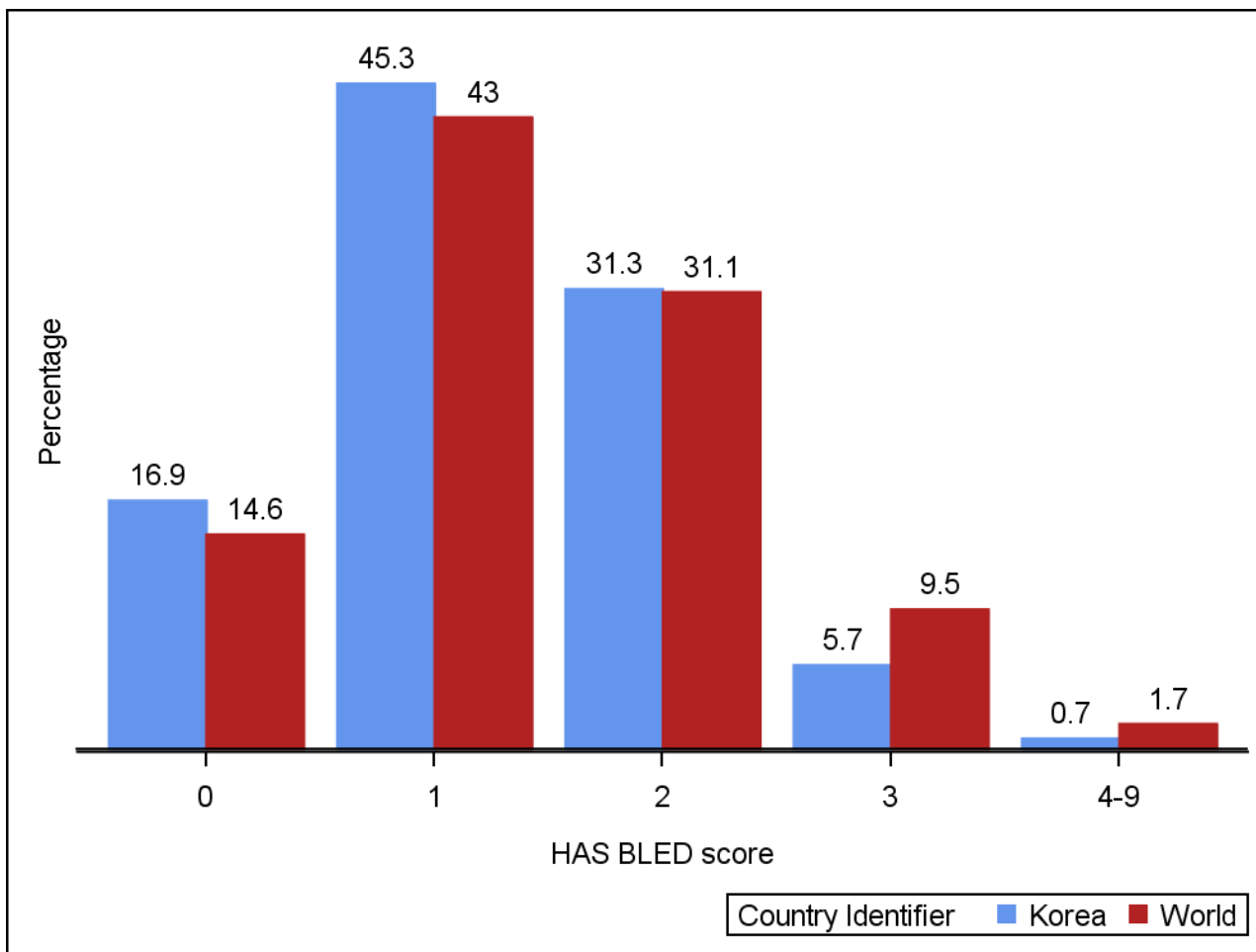
Stroke risk profile: CHADS₂



Stroke risk profile: CHA₂DS₂ VASc



Stroke risk profile: HAS BLED



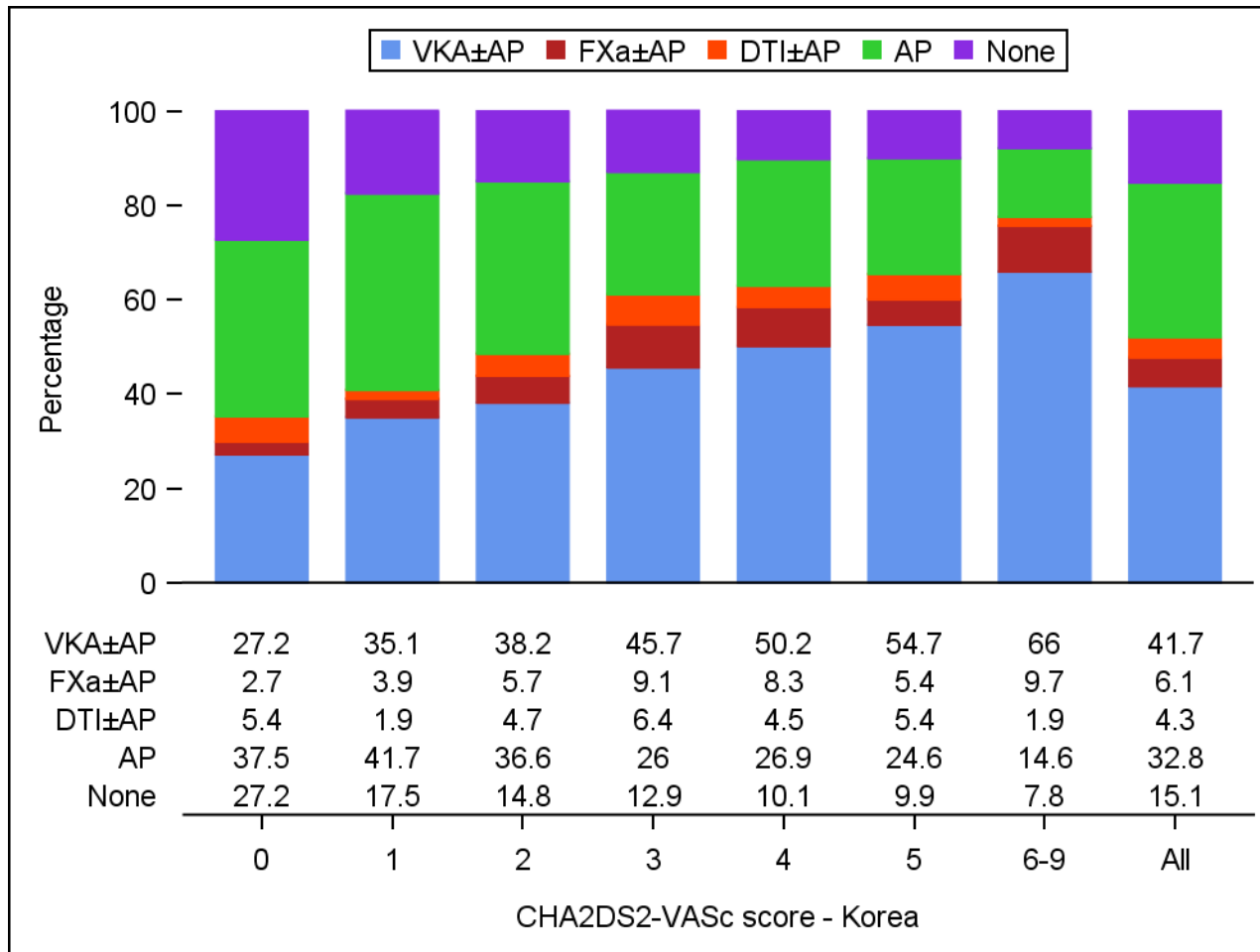
Treatment at diagnosis by CHA₂DS₂-VASc score - Korea

CHA ₂ DS ₂ -VASc		VKA±AP	DTI±AP	AP	None	FXa±AP	Unknown	Total
		n	n	n	n	n	n	n
Korea	Unknown	25	1	29	25	0	0	80
	0	61	12	84	61	6	0	224
	1	246	13	292	123	27	2	703
	2	308	38	295	119	46	9	815
	3	287	40	163	81	57	4	632
	4	224	20	120	45	37	3	449
	5	111	11	50	20	11	4	207
	6-9	68	2	15	8	10	1	104

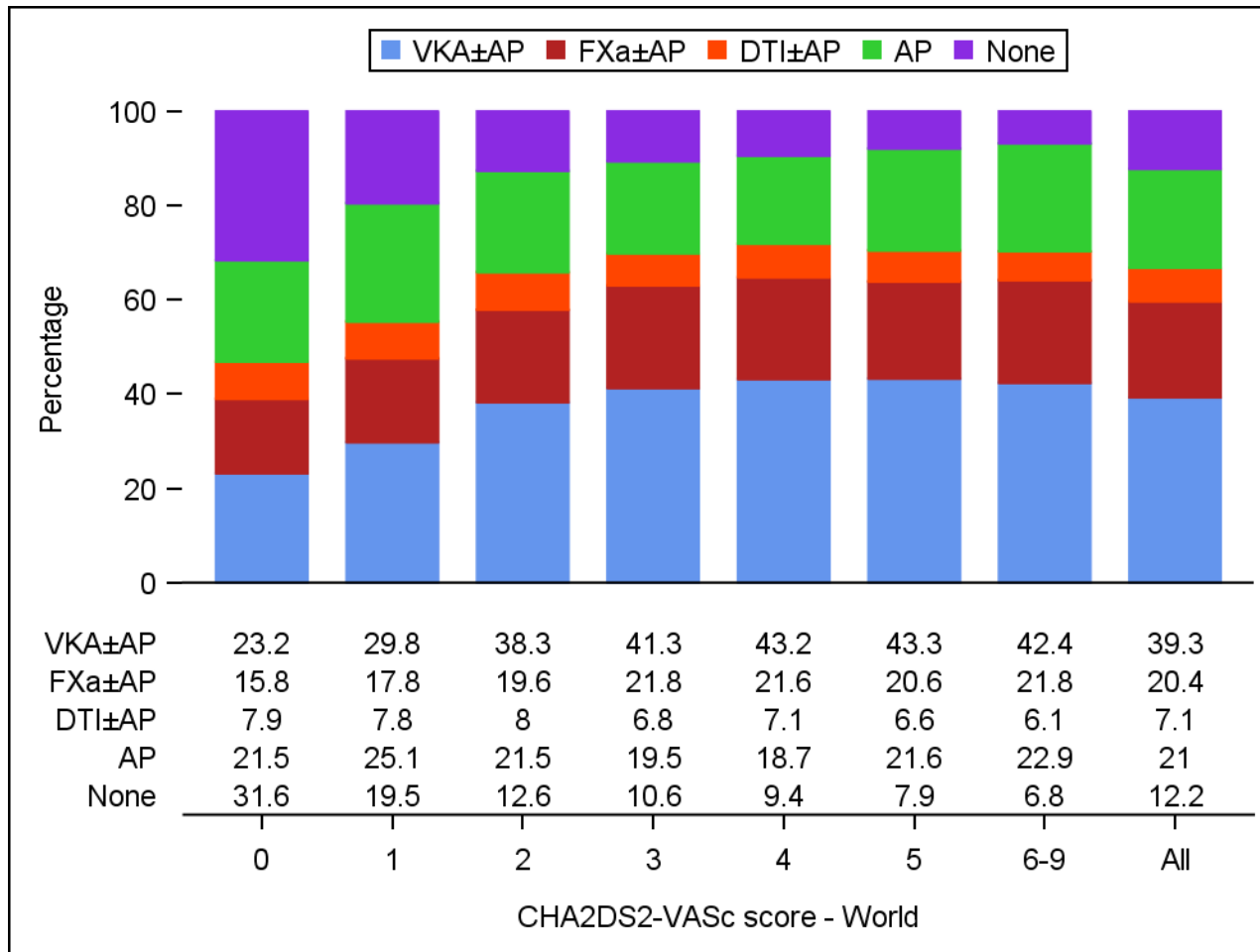
Treatment at diagnosis by CHA₂DS₂-VASc score - World

CHA ₂ DS ₂ -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



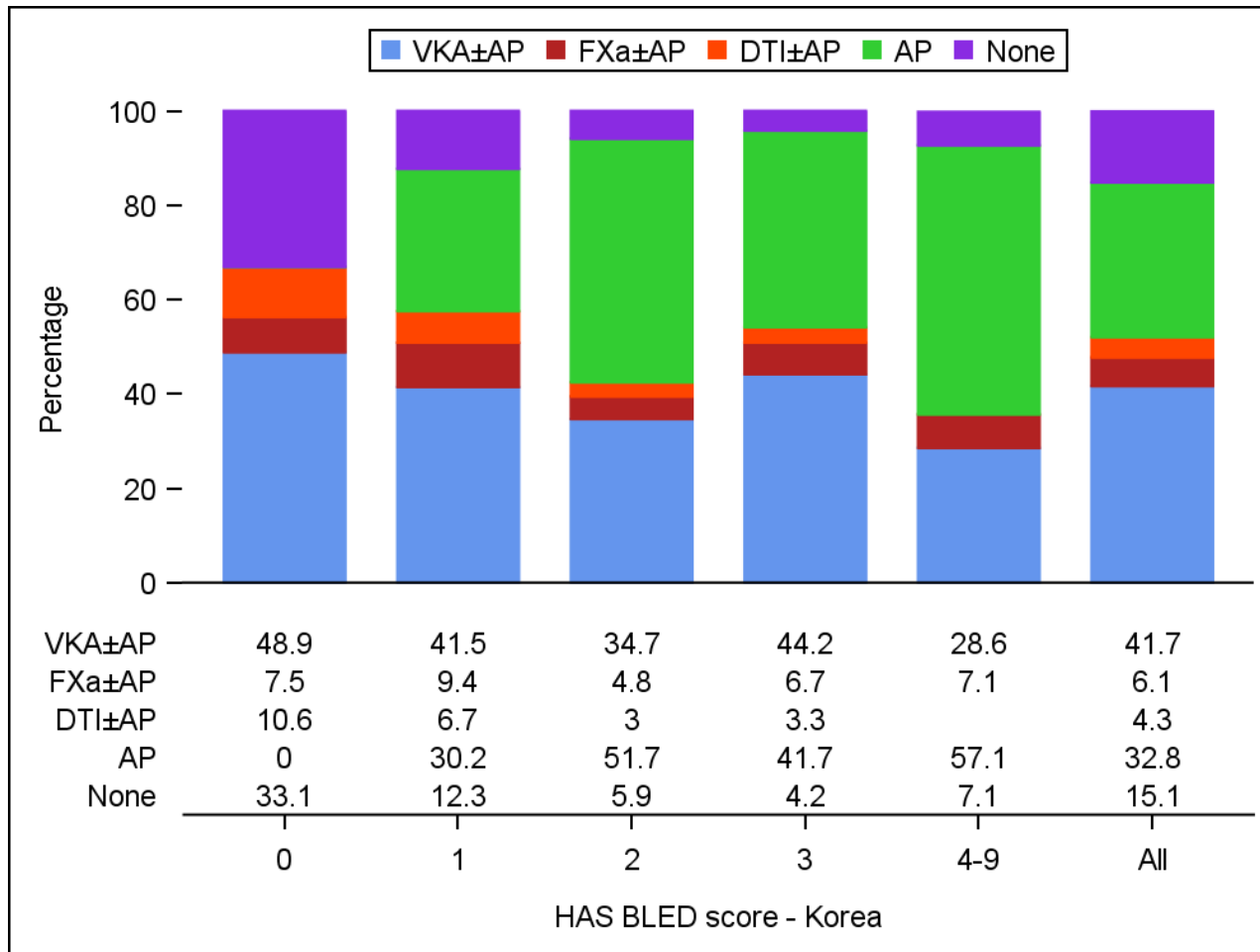
Treatment at diagnosis by HAS BLED score - Korea

HASBLED		VKA±AP	FXa±AP	DTI±AP	AP	None	Unknown	Total	
		n	n	n	n	n	n	N	n
Korea	Unknown	467	36	11	355	200	4	1073	1073
	0	176	27	38	0	119	2	362	362
	1	399	90	64	291	118	7	969	969
	2	231	32	20	344	39	5	671	671
	3	53	8	4	50	5	3	123	123
	4-9	4	1	0	8	1	2	16	16

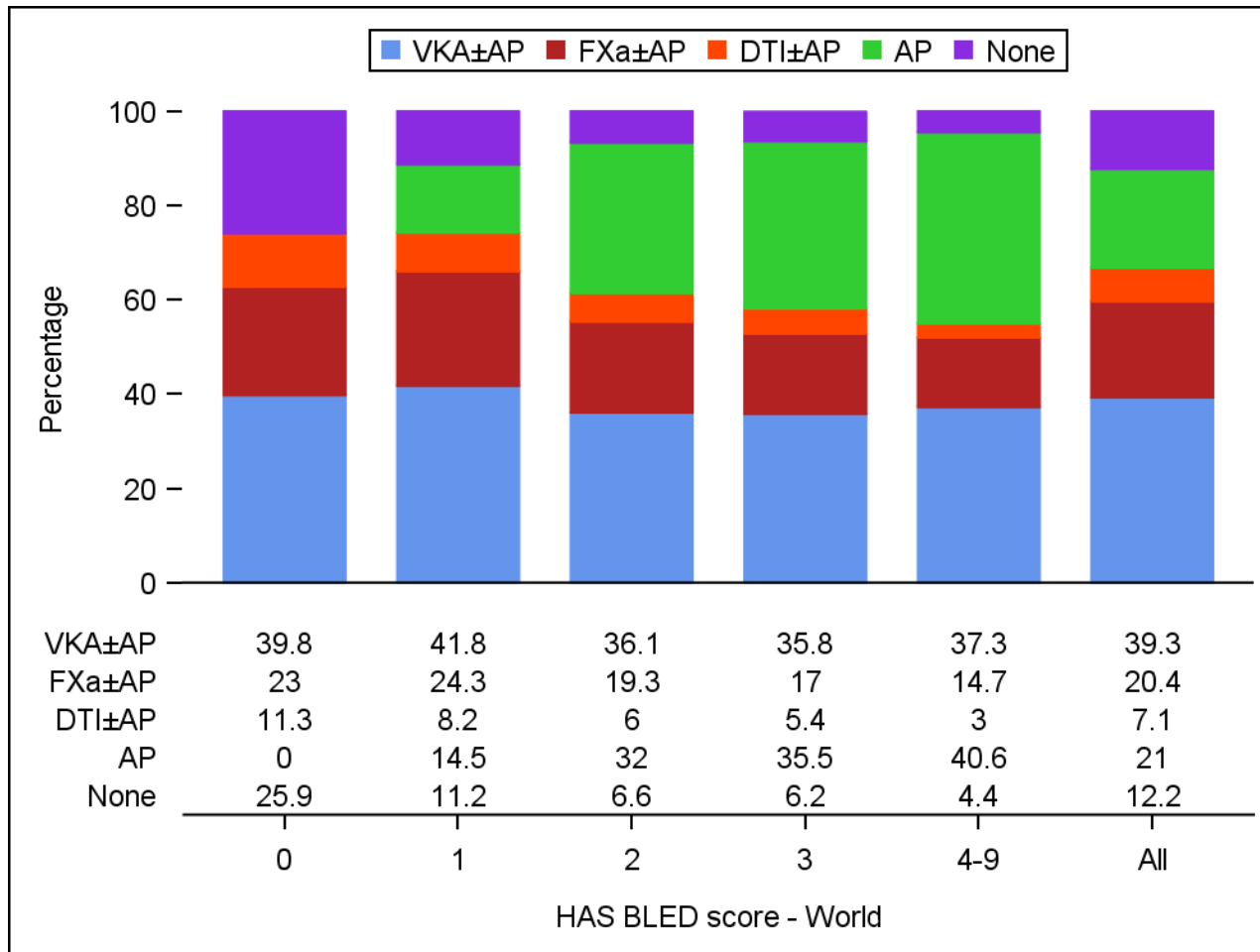
Treatment at diagnosis by HAS BLED score - World

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	Korea (N = 1330) n %	World (N = 20205) n %
INR value, n(%)	n (missing)	7393 (356)	157134 (8319)
	<2	4326 (58.5)	50514 (32.1)
	2-3	2279 (30.8)	81056 (51.6)
	>3	788 (10.7)	25564 (16.3)
INR value	n (missing)	7393 (356)	157134 (8319)
	Mean (SD)	2.0 (0.9)	2.4 (0.9)
	Median (IQR)	1.8 (1.4 to 2.4)	2.3 (1.8 to 2.8)
	Min to Max	0.8 to 18.6	0.8 to 20.0
TTR, n(%)	n (missing)	957 (373)	11485 (8720)
	<65	814 (85.1)	6734 (58.6)
	>=65	143 (14.9)	4751 (41.4)
TTR	n (missing)	957 (373)	11485 (8720)
	Mean (SD)	34.4 (26.5)	55.2 (27.3)
	Median (IQR)	32.6 (11.2 to 53.2)	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)

	Korea		World	
	Events	Rate (95% CI)	Events	Rate (95% CI)
Death	27	0.97 (0.66 to 1.41)	2103	4.38 (4.20 to 4.57)
Cardiovascular Death	8	0.29 (0.14 to 0.57)	789	1.64 (1.53 to 1.76)
Non-cardiovascular death	13	0.47 (0.27 to 0.80)	771	1.61 (1.50 to 1.72)
Undetermined Cause	6	0.22 (0.10 to 0.48)	543	1.13 (1.04 to 1.23)
Stroke/SE	31	1.12 (0.78 to 1.59)	650	1.36 (1.26 to 1.47)
Major Bleeding	14	0.50 (0.30 to 0.85)	407	0.85 (0.77 to 0.94)
Acute coronary syndrome	9	0.32 (0.17 to 0.62)	378	0.79 (0.71 to 0.87)
Congestive hearth failure	29	1.04 (0.73 to 1.50)	1052	2.22 (2.09 to 2.35)

Cause of death during the first year of follow-up

	Korea		World	
	n	%	n	%
Cardiovascular causes				
Congestive heart failure	2	25.0	262	33.2
Sudden or unwitnessed death	2	25.0	127	16.1
Myocardial infarction	0		89	11.3
Non-haemorrhagic stroke (Ischemic Stroke)	0		86	10.9
Non Cardiovascular causes				
Malignancy	3	23.1	233	30.2
Respiratory failure	5	38.5	142	18.4
Infection	0		81	10.5
Sepsis	0		74	9.6

Type of stroke during the first year of follow-up

	Korea		World	
	n	%	n	%
Stroke (not including systemic embolism)	29	0.90	585	1.12
Primary Ischemic	16	0.50	406	0.78
of which secondary hemorrhagic ischemic	1	0.03	22	0.04
Primary intracerebral hemorrhage	5	0.16	71	0.14
Intracerebral	1	0.03	44	0.08
Intraventricular	1	0.03	9	0.02
Subarachnoid			13	0.02
Undetermined	8	0.25	108	0.21

Severity of bleeding during the first year of follow-up

Outcome	Korea		World	
	n	%	n	%
Major Bleed	14	0.03	407	0.78
Non-Major Clinically Relevant	26	0.05	645	1.24
Minor	48	0.09	1167	2.24
Unknown	11	0.02	136	0.26