

Supplementary Material:

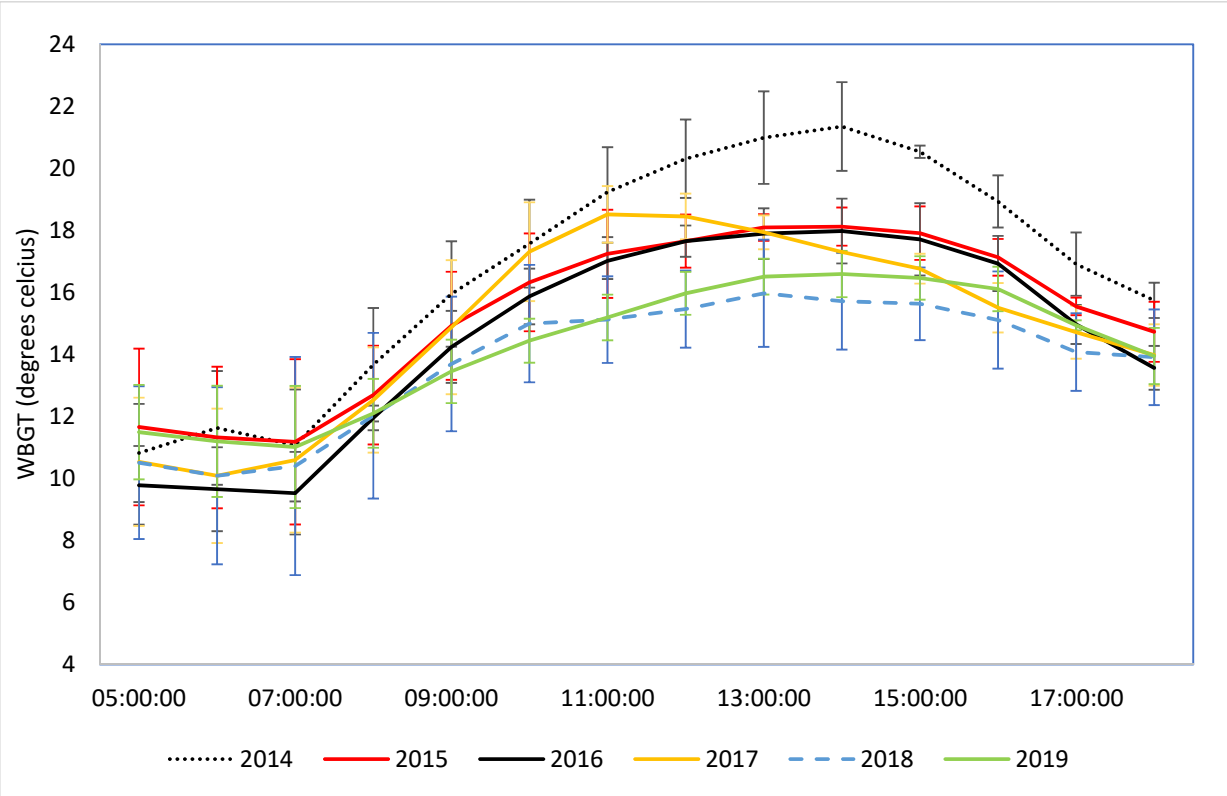


Figure 1: WBGT from 5am to 6pm (the duration of the event) from each of the six years (mean; SD).
*WBGT: wet-bulb globe temperature index

Table 1: Demographics of all race entrants, starters and finishers (by gender, age categories and year of participation)

			2014		2015		2016		2017		2018		2019		All years		
			n	%	n	%	n	%	n	%	n	%	n	%	n	%	
Total entrants	All		20189	100	22399	100	21566	100	21489	100	23412	100	24586	100	133641	100	
	Males	All	15701	77.8	17464	78	16833	78.1	16884	78.6	18136	77.5	19457	79.1	104475	78.2	
		≤ 30 yrs	1710	8.5	1701	7.6	1567	7.3	1434	6.7	1293	5.5	1310	5.3	9015	6.7	
		31-40 yrs	5552	27.5	6116	27.3	5939	27.5	6103	28.4	6681	28.5	7043	28.6	37434	28	
		41-50 yrs	5383	26.7	6052	27	5914	27.4	6020	28	6604	28.2	7254	29.5	37227	27.9	
		>50 yrs	3056	15.1	3595	16	3413	15.8	3327	15.5	3558	15.2	3850	15.7	20799	15.6	
		Females	All	4488	22.2	4935	22	4733	21.9	4605	21.4	5276	22.5	5129	20.9	29166	21.8
		≤ 30 yrs	534	2.6	557	2.5	516	2.4	495	2.3	502	2.1	454	1.8	3058	2.3	
		31-40 yrs	1740	8.6	1860	8.3	1824	8.5	1843	8.6	2153	9.2	2100	8.5	11520	8.6	
		41-50 yrs	1606	8	1782	8	1694	7.9	1641	7.6	1869	8	1844	7.5	10436	7.8	
	>50 yrs	608	3	736	3.3	699	3.2	626	2.9	752	3.2	731	3	4152	3.1		
Total starters	All		14341	100	16579	100	16846	100	17092	100	19106	100	19167	100	103131	100	
	Males	All	11333	79	13122	79.1	13286	78.9	13541	79.2	14924	78.1	15374	80.2	81580	79.1	
		≤ 30 yrs	1167	8.1	1252	7.6	1189	7.1	1136	6.6	1054	5.5	1030	5.4	6828	6.6	
		31-40 yrs	4100	28.6	4673	28.2	4793	28.5	4985	29.2	5644	29.5	5689	29.7	29884	29	
		41-50 yrs	3972	27.7	4629	27.9	4740	28.1	4912	28.7	5442	28.5	5813	30.3	29508	28.6	
		>50 yrs	2094	14.6	2568	15.5	2564	15.2	2508	14.7	2784	14.6	2842	14.8	15360	14.9	
		Females	All	3008	21	3457	20.9	3560	21.1	3551	20.8	4182	21.9	3793	19.8	21551	20.9
		≤ 30 yrs	343	2.4	372	2.2	371	2.2	371	2.2	399	2.1	348	1.8	2204	2.1	
		31-40 yrs	1159	8.1	1306	7.9	1395	8.3	1463	8.6	1724	9	1590	8.3	8637	8.4	
		41-50 yrs	1109	7.7	1271	7.7	1297	7.7	1263	7.4	1486	7.8	1346	7	7772	7.5	
	>50 yrs	397	2.8	508	3.1	497	3	454	2.7	573	3	509	2.7	2938	2.8		
Total finishers	All		11917	100	13000	100	14594	100	13852	100	16482	100	16439	100	86284	100	
	Males	All	9491	79.6	10433	80.3	11587	79.4	11151	80.5	13110	79.5	13384	81.4	69156	80.1	
		≤ 30 yrs	1026	8.6	1045	8	1070	7.3	981	7.1	956	5.8	922	5.6	6000	7	
		31-40 yrs	3597	30.2	3984	30.6	4338	29.7	4299	31	5118	31.1	5124	31.2	26460	30.7	
		41-50 yrs	3307	27.8	3662	28.2	4159	28.5	4069	29.4	4824	29.3	5102	31	25123	29.1	
		>50 yrs	1561	13.1	1742	13.4	2020	13.8	1802	13	2212	13.4	2236	13.6	11573	13.4	
		Females	All	2426	20.4	2567	19.7	3007	20.6	2701	19.5	3372	20.5	3055	18.6	17128	19.9
		≤ 30 yrs	289	2.4	284	2.2	314	2.2	286	2.1	334	2	289	1.8	1796	2.1	
		31-40 yrs	966	8.1	1023	7.9	1218	8.3	1165	8.4	1437	8.7	1327	8.1	7136	8.3	
		41-50 yrs	902	7.6	964	7.4	1116	7.6	950	6.9	1194	7.2	1074	6.5	6200	7.2	
	>50 yrs	269	2.3	296	2.3	359	2.5	300	2.2	407	2.5	365	2.2	1996	2.3		

Table 2: Serious / life-threatening illness-related medical encounters (n; IR, 95% CIs) by main organ system over the six years

Main Organ System	All Starters (n = 103 131)	
	n	IR (95%CI)
Multiple Organs	81	0.8 (0.6-1.0)
Cardiovascular	50	0.5 (0.4-0.6)
Respiratory / ENT	2	-
Central Nervous System	28	0.3 (0.2-0.4)
Gastrointestinal	5	-
Genitourinary	13	0.1 (0.1-0.2)
Endocrine / Metabolic	7	-
Drug use / Overdose	1	-
Medical Illness (Other or undiagnosed)	2	-

*n<10 did not have IRs or 95% CI due to small numbers