

## 6) Beverage intakes

Frequency of beverage intake  
Japanese sake

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	91	68.9	62	60.2	89	58.9	73	57.9	14	53.8	329	61.2
	Once a month	12	9.1	14	13.6	13	8.6	5	4.0	1	3.8	45	8.4
	2 to 3 times a mo.	10	7.6	7	6.8	8	5.3	8	6.3	2	7.7	35	6.5
	Once a week	6	4.5	10	9.7	14	9.3	7	5.6	1	3.8	38	7.1
	2 to 3 times a week	9	6.8	5	4.9	10	6.6	17	13.5	0	0.0	41	7.6
	4 to 6 times a week	3	2.3	1	1.0	6	4.0	7	5.6	2	7.7	19	3.5
	Once a day	1	0.8	4	3.9	11	7.3	8	6.3	6	23.1	30	5.6
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.2
Female	Never	130	94.9	123	93.9	123	91.1	103	92.0	17	85.0	496	92.7
	Once a month	2	1.5	4	3.1	4	3.0	1	0.9	2	10.0	13	2.4
	2 to 3 times a mo.	1	0.7	2	1.5	1	0.7	4	3.6	0	0.0	8	1.5
	Once a week	2	1.5	0	0.0	1	0.7	1	0.9	0	0.0	4	0.7
	2 to 3 times a week	2	1.5	2	1.5	4	3.0	1	0.9	0	0.0	9	1.7
	4 to 6 times a week	0	0.0	0	0.0	2	1.5	0	0.0	1	5.0	3	0.6
	Once a day	0	0.0	0	0.0	0	0.0	2	1.8	0	0.0	2	0.4
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	Never	221	82.2	185	79.1	212	74.1	176	73.9	31	67.4	825	76.9
	Once a month	14	5.2	18	7.7	17	5.9	6	2.5	3	6.5	58	5.4
	2 to 3 times a mo.	11	4.1	9	3.8	9	3.1	12	5.0	2	4.3	43	4.0
	Once a week	8	3.0	10	4.3	15	5.2	8	3.4	1	2.2	42	3.9
	2 to 3 times a week	11	4.1	7	3.0	14	4.9	18	7.6	0	0.0	50	4.7
	4 to 6 times a week	3	1.1	1	0.4	8	2.8	7	2.9	3	6.5	22	2.1
	Once a day	1	0.4	4	1.7	11	3.8	10	4.2	6	13.0	32	3.0
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1

Frequency of beverage intake  
Japanese distilled alcoholic beverages (Shochu)

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	69	52.3	53	51.5	84	55.6	92	73.0	24	92.3	322	59.9
	Once a month	9	6.8	4	3.9	9	6.0	3	2.4	0	0.0	25	4.6
	2 to 3 times a mo.	6	4.5	0	0.0	3	2.0	3	2.4	0	0.0	12	2.2
	Once a week	10	7.6	10	9.7	11	7.3	6	4.8	0	0.0	37	6.9
	2 to 3 times a week	15	11.4	14	13.6	12	7.9	8	6.3	1	3.8	50	9.3
	4 to 6 times a week	6	4.5	6	5.8	13	8.6	5	4.0	0	0.0	30	5.6
	Once a day	17	12.9	16	15.5	19	12.6	8	6.3	1	3.8	61	11.3
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.2
Female	Never	106	77.4	118	90.1	120	88.9	103	92.0	18	90.0	465	86.9
	Once a month	6	4.4	1	0.8	6	4.4	2	1.8	0	0.0	15	2.8
	2 to 3 times a mo.	5	3.6	1	0.8	1	0.7	2	1.8	0	0.0	9	1.7
	Once a week	7	5.1	3	2.3	3	2.2	1	0.9	0	0.0	14	2.6
	2 to 3 times a week	6	4.4	3	2.3	3	2.2	2	1.8	0	0.0	14	2.6
	4 to 6 times a week	4	2.9	1	0.8	0	0.0	1	0.9	0	0.0	6	1.1
	Once a day	3	2.2	4	3.1	2	1.5	1	0.9	2	10.0	12	2.2
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	Never	175	65.1	171	73.1	204	71.3	195	81.9	42	91.3	787	73.3
	Once a month	15	5.6	5	2.1	15	5.2	5	2.1	0	0.0	40	3.7
	2 to 3 times a mo.	11	4.1	1	0.4	4	1.4	5	2.1	0	0.0	21	2.0
	Once a week	17	6.3	13	5.6	14	4.9	7	2.9	0	0.0	51	4.8
	2 to 3 times a week	21	7.8	17	7.3	15	5.2	10	4.2	1	2.2	64	6.0
	4 to 6 times a week	10	3.7	7	3.0	13	4.5	6	2.5	0	0.0	36	3.4
	Once a day	20	7.4	20	8.5	21	7.3	9	3.8	3	6.5	73	6.8
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1

Frequency of beverage intake  
Regular or draft beer

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	60	45.5	37	35.9	70	46.4	74	58.7	16	61.5	257	47.8
	Once a month	22	16.7	10	9.7	13	8.6	6	4.8	4	15.4	55	10.2
	2 to 3 times a mo.	10	7.6	10	9.7	12	7.9	6	4.8	2	7.7	40	7.4
	Once a week	14	10.6	11	10.7	16	10.6	13	10.3	2	7.7	56	10.4
	2 to 3 times a week	13	9.8	15	14.6	19	12.6	10	7.9	2	7.7	59	11.0
	4 to 6 times a week	5	3.8	6	5.8	8	5.3	8	6.3	0	0.0	27	5.0
	Once a day	8	6.1	14	13.6	13	8.6	8	6.3	0	0.0	43	8.0
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.2
Female	Never	104	75.9	104	79.4	104	77.0	96	85.7	17	85.0	425	79.4
	Once a month	11	8.0	12	9.2	8	5.9	8	7.1	2	10.0	41	7.7
	2 to 3 times a mo.	7	5.1	2	1.5	6	4.4	1	0.9	0	0.0	16	3.0
	Once a week	5	3.6	3	2.3	6	4.4	2	1.8	1	5.0	17	3.2
	2 to 3 times a week	4	2.9	6	4.6	6	4.4	3	2.7	0	0.0	19	3.6
	4 to 6 times a week	4	2.9	1	0.8	2	1.5	0	0.0	0	0.0	7	1.3
	Once a day	2	1.5	3	2.3	3	2.2	2	1.8	0	0.0	10	1.9
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	Never	164	61.0	141	60.3	174	60.8	170	71.4	33	71.7	682	63.6
	Once a month	33	12.3	22	9.4	21	7.3	14	5.9	6	13.0	96	8.9
	2 to 3 times a mo.	17	6.3	12	5.1	18	6.3	7	2.9	2	4.3	56	5.2
	Once a week	19	7.1	14	6.0	22	7.7	15	6.3	3	6.5	73	6.8
	2 to 3 times a week	17	6.3	21	9.0	25	8.7	13	5.5	2	4.3	78	7.3
	4 to 6 times a week	9	3.3	7	3.0	10	3.5	8	3.4	0	0.0	34	3.2
	Once a day	10	3.7	17	7.3	16	5.6	10	4.2	0	0.0	53	4.9
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1

Frequency of beverage intake  
Light beer

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	not recorded	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Never	63	47.7	59	57.3	104	68.9	106	84.1	21	80.8	353	65.6
	Once a month	7	5.3	2	1.9	3	2.0	0	0.0	0	0.0	12	2.2
	2 to 3 times a mo.	5	3.8	3	2.9	8	5.3	3	2.4	0	0.0	19	3.5
	Once a week	13	9.8	4	3.9	10	6.6	4	3.2	2	7.7	33	6.1
	2 to 3 times a week	17	12.9	12	11.7	14	9.3	4	3.2	0	0.0	47	8.7
	4 to 6 times a week	10	7.6	5	4.9	4	2.6	3	2.4	0	0.0	22	4.1
	Once a day	17	12.9	18	17.5	8	5.3	6	4.8	3	11.5	52	9.7
Female	not recorded	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
	Never	94	68.6	106	80.9	119	88.1	102	91.1	19	95.0	440	82.2
	Once a month	6	4.4	7	5.3	0	0.0	3	2.7	0	0.0	16	3.0
	2 to 3 times a mo.	6	4.4	3	2.3	3	2.2	2	1.8	0	0.0	14	2.6
	Once a week	10	7.3	3	2.3	3	2.2	2	1.8	0	0.0	18	3.4
	2 to 3 times a week	13	9.5	4	3.1	3	2.2	0	0.0	0	0.0	20	3.7
	4 to 6 times a week	2	1.5	1	0.8	5	3.7	1	0.9	0	0.0	9	1.7
	Once a day	5	3.6	7	5.3	2	1.5	2	1.8	1	5.0	17	3.2
Total	not recorded	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
	Never	157	58.4	165	70.5	223	78.0	208	87.4	40	87.0	793	73.9
	Once a month	13	4.8	9	3.8	3	1.0	3	1.3	0	0.0	28	2.6
	2 to 3 times a mo.	11	4.1	6	2.6	11	3.8	5	2.1	0	0.0	33	3.1
	Once a week	23	8.6	7	3.0	13	4.5	6	2.5	2	4.3	51	4.8
	2 to 3 times a week	30	11.2	16	6.8	17	5.9	4	1.7	0	0.0	67	6.2
	4 to 6 times a week	12	4.5	6	2.6	9	3.1	4	1.7	0	0.0	31	2.9
Once a day	22	8.2	25	10.7	10	3.5	8	3.4	4	8.7	69	6.4	

Frequency of beverage intake  
Wine

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	117	88.6	83	80.6	135	89.4	111	88.1	25	96.2	471	87.5
	Once a month	10	7.6	10	9.7	7	4.6	6	4.8	1	3.8	34	6.3
	2 to 3 times a mo.	2	1.5	3	2.9	3	2.0	2	1.6	0	0.0	10	1.9
	Once a week	1	0.8	5	4.9	3	2.0	4	3.2	0	0.0	13	2.4
	2 to 3 times a week	2	1.5	2	1.9	2	1.3	3	2.4	0	0.0	9	1.7
	4 to 6 times a week	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Once a day	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	1	0.2
Female	Never	119	86.9	118	90.1	126	93.3	107	95.5	20	100.0	490	91.6
	Once a month	9	6.6	5	3.8	5	3.7	2	1.8	0	0.0	21	3.9
	2 to 3 times a mo.	4	2.9	4	3.1	1	0.7	2	1.8	0	0.0	11	2.1
	Once a week	1	0.7	0	0.0	0	0.0	0	0.0	0	0.0	1	0.2
	2 to 3 times a week	3	2.2	2	1.5	1	0.7	1	0.9	0	0.0	7	1.3
	4 to 6 times a week	1	0.7	1	0.8	1	0.7	0	0.0	0	0.0	3	0.6
	Once a day	0	0.0	1	0.8	1	0.7	0	0.0	0	0.0	2	0.4
Total	Never	236	87.7	201	85.9	261	91.3	218	91.6	45	97.8	961	89.6
	Once a month	19	7.1	15	6.4	12	4.2	8	3.4	1	2.2	55	5.1
	2 to 3 times a mo.	6	2.2	7	3.0	4	1.4	4	1.7	0	0.0	21	2.0
	Once a week	2	0.7	5	2.1	3	1.0	4	1.7	0	0.0	14	1.3
	2 to 3 times a week	5	1.9	4	1.7	3	1.0	4	1.7	0	0.0	16	1.5
	4 to 6 times a week	1	0.4	1	0.4	1	0.3	0	0.0	0	0.0	3	0.3
	Once a day	0	0.0	1	0.4	2	0.7	0	0.0	0	0.0	3	0.3

Frequency of beverage intake  
 Hard liquors (such as whisky, brandy, gin, vodka, rum, cocktails, etc.)

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	115	87.1	88	85.4	134	88.7	104	82.5	24	92.3	465	86.4
	Once a month	10	7.6	4	3.9	3	2.0	9	7.1	1	3.8	27	5.0
	2 to 3 times a mo.	4	3.0	3	2.9	4	2.6	4	3.2	0	0.0	15	2.8
	Once a week	2	1.5	2	1.9	5	3.3	2	1.6	0	0.0	11	2.0
	2 to 3 times a week	1	0.8	3	2.9	2	1.3	4	3.2	0	0.0	10	1.9
	4 to 6 times a week	0	0.0	2	1.9	0	0.0	0	0.0	0	0.0	2	0.4
	Once a day	0	0.0	1	1.0	2	1.3	3	2.4	1	3.8	7	1.3
	2 to 3 times a day	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	1	0.2
Female	Never	128	93.4	130	99.2	132	97.8	108	96.4	20	100.0	518	96.8
	Once a month	3	2.2	1	0.8	0	0.0	1	0.9	0	0.0	5	0.9
	2 to 3 times a mo.	3	2.2	0	0.0	0	0.0	1	0.9	0	0.0	4	0.7
	Once a week	3	2.2	0	0.0	0	0.0	1	0.9	0	0.0	4	0.7
	2 to 3 times a week	0	0.0	0	0.0	2	1.5	0	0.0	0	0.0	2	0.4
	4 to 6 times a week	0	0.0	0	0.0	0	0.0	1	0.9	0	0.0	1	0.2
	Once a day	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	1	0.2
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	Never	243	90.3	218	93.2	266	93.0	212	89.1	44	95.7	983	91.6
	Once a month	13	4.8	5	2.1	3	1.0	10	4.2	1	2.2	32	3.0
	2 to 3 times a mo.	7	2.6	3	1.3	4	1.4	5	2.1	0	0.0	19	1.8
	Once a week	5	1.9	2	0.9	5	1.7	3	1.3	0	0.0	15	1.4
	2 to 3 times a week	1	0.4	3	1.3	4	1.4	4	1.7	0	0.0	12	1.1
	4 to 6 times a week	0	0.0	2	0.9	0	0.0	1	0.4	0	0.0	3	0.3
	Once a day	0	0.0	1	0.4	3	1.0	3	1.3	1	2.2	8	0.7
	2 to 3 times a day	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	1	0.1

Frequency of beverage intake  
Regular coffee

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	5	3.8	9	8.7	17	11.3	15	11.9	5	19.2	51	9.5
	Once a month	1	0.8	0	0.0	2	1.3	8	6.3	2	7.7	13	2.4
	2 to 3 times a mo.	4	3.0	2	1.9	4	2.6	9	7.1	0	0.0	19	3.5
	Once a week	2	1.5	3	2.9	8	5.3	5	4.0	2	7.7	20	3.7
	2 to 3 times a week	4	3.0	7	6.8	16	10.6	8	6.3	4	15.4	39	7.2
	4 to 6 times a week	7	5.3	3	2.9	2	1.3	4	3.2	0	0.0	16	3.0
	Once a day	19	14.4	23	22.3	40	26.5	37	29.4	9	34.6	128	23.8
	2 to 3 times a day	65	49.2	44	42.7	51	33.8	31	24.6	4	15.4	195	36.2
	4 or more times	25	18.9	12	11.7	11	7.3	9	7.1	0	0.0	57	10.6
Female	Never	10	7.3	13	9.9	23	17.0	15	13.4	5	25.0	66	12.3
	Once a month	4	2.9	0	0.0	5	3.7	5	4.5	1	5.0	15	2.8
	2 to 3 times a mo.	5	3.6	7	5.3	5	3.7	13	11.6	1	5.0	31	5.8
	Once a week	1	0.7	3	2.3	8	5.9	8	7.1	2	10.0	22	4.1
	2 to 3 times a week	10	7.3	12	9.2	11	8.1	15	13.4	3	15.0	51	9.5
	4 to 6 times a week	3	2.2	5	3.8	4	3.0	4	3.6	1	5.0	17	3.2
	Once a day	30	21.9	33	25.2	40	29.6	37	33.0	3	15.0	143	26.7
	2 to 3 times a day	54	39.4	51	38.9	31	23.0	15	13.4	4	20.0	155	29.0
	4 or more times	20	14.6	7	5.3	8	5.9	0	0.0	0	0.0	35	6.5
Total	Never	15	5.6	22	9.4	40	14.0	30	12.6	10	21.7	117	10.9
	Once a month	5	1.9	0	0.0	7	2.4	13	5.5	3	6.5	28	2.6
	2 to 3 times a mo.	9	3.3	9	3.8	9	3.1	22	9.2	1	2.2	50	4.7
	Once a week	3	1.1	6	2.6	16	5.6	13	5.5	4	8.7	42	3.9
	2 to 3 times a week	14	5.2	19	8.1	27	9.4	23	9.7	7	15.2	90	8.4
	4 to 6 times a week	10	3.7	8	3.4	6	2.1	8	3.4	1	2.2	33	3.1
	Once a day	49	18.2	56	23.9	80	28.0	74	31.1	12	26.1	271	25.3
	2 to 3 times a day	119	44.2	95	40.6	82	28.7	46	19.3	8	17.4	350	32.6
	4 or more times	45	16.7	19	8.1	19	6.6	9	3.8	0	0.0	92	8.6

Frequency of beverage intake  
Decaffeinated coffee

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	132	100.0	103	100.0	151	100.0	126	100.0	26	100.0	538	100.0
	Once a week	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	2 to 3 times a week	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Female	Never	137	100.0	130	99.2	135	100.0	110	98.2	20	100.0	532	99.4
	Once a week	0	0.0	0	0.0	0	0.0	2	1.8	0	0.0	2	0.4
	2 to 3 times a week	0	0.0	1	0.8	0	0.0	0	0.0	0	0.0	1	0.2
Total	Never	269	100.0	233	99.6	286	100.0	236	99.2	46	100.0	1070	99.7
	Once a week	0	0.0	0	0.0	0	0.0	2	0.8	0	0.0	2	0.2
	2 to 3 times a week	0	0.0	1	0.4	0	0.0	0	0.0	0	0.0	1	0.1



Frequency of beverage intake  
Black tea

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	83	62.9	78	75.7	116	76.8	90	71.4	20	76.9	387	71.9
	Once a month	8	6.1	4	3.9	9	6.0	8	6.3	3	11.5	32	5.9
	2 to 3 times a mo.	12	9.1	7	6.8	3	2.0	11	8.7	2	7.7	35	6.5
	Once a week	12	9.1	4	3.9	8	5.3	4	3.2	0	0.0	28	5.2
	2 to 3 times a week	5	3.8	6	5.8	6	4.0	4	3.2	1	3.8	22	4.1
	4 to 6 times a week	2	1.5	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4
	Once a day	7	5.3	3	2.9	9	6.0	4	3.2	0	0.0	23	4.3
	2 to 3 times a day	3	2.3	0	0.0	0	0.0	4	3.2	0	0.0	7	1.3
	4 or more times	0	0.0	1	1.0	0	0.0	1	0.8	0	0.0	2	0.4
Female	Never	57	41.6	77	58.8	70	51.9	60	53.6	15	75.0	279	52.1
	Once a month	10	7.3	10	7.6	14	10.4	14	12.5	2	10.0	50	9.3
	2 to 3 times a mo.	17	12.4	16	12.2	11	8.1	14	12.5	1	5.0	59	11.0
	Once a week	13	9.5	11	8.4	13	9.6	11	9.8	1	5.0	49	9.2
	2 to 3 times a week	21	15.3	9	6.9	12	8.9	8	7.1	0	0.0	50	9.3
	4 to 6 times a week	6	4.4	2	1.5	4	3.0	1	0.9	0	0.0	13	2.4
	Once a day	9	6.6	4	3.1	6	4.4	3	2.7	1	5.0	23	4.3
	2 to 3 times a day	4	2.9	2	1.5	4	3.0	1	0.9	0	0.0	11	2.1
	4 or more times	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	1	0.2
Total	Never	140	52.0	155	66.2	186	65.0	150	63.0	35	76.1	666	62.1
	Once a month	18	6.7	14	6.0	23	8.0	22	9.2	5	10.9	82	7.6
	2 to 3 times a mo.	29	10.8	23	9.8	14	4.9	25	10.5	3	6.5	94	8.8
	Once a week	25	9.3	15	6.4	21	7.3	15	6.3	1	2.2	77	7.2
	2 to 3 times a week	26	9.7	15	6.4	18	6.3	12	5.0	1	2.2	72	6.7
	4 to 6 times a week	8	3.0	2	0.9	4	1.4	1	0.4	0	0.0	15	1.4
	Once a day	16	5.9	7	3.0	15	5.2	7	2.9	1	2.2	46	4.3
	2 to 3 times a day	7	2.6	2	0.9	4	1.4	5	2.1	0	0.0	18	1.7
	4 or more times	0	0.0	1	0.4	1	0.3	1	0.4	0	0.0	3	0.3

Frequency of beverage intake  
Green tea

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	19	14.4	7	6.8	11	7.3	10	7.9	2	7.7	49	9.1
	Once a month	0	0.0	0	0.0	0	0.0	1	0.8	0	0.0	1	0.2
	2 to 3 times a mo.	5	3.8	1	1.0	1	0.7	1	0.8	0	0.0	8	1.5
	Once a week	5	3.8	1	1.0	3	2.0	0	0.0	0	0.0	9	1.7
	2 to 3 times a week	7	5.3	1	1.0	3	2.0	2	1.6	0	0.0	13	2.4
	4 to 6 times a week	7	5.3	4	3.9	7	4.6	1	0.8	0	0.0	19	3.5
	Once a day	14	10.6	10	9.7	13	8.6	4	3.2	2	7.7	43	8.0
	2 to 3 times a day	49	37.1	47	45.6	46	30.5	42	33.3	11	42.3	195	36.2
	4 or more times	26	19.7	32	31.1	67	44.4	65	51.6	11	42.3	201	37.4
Female	Never	13	9.5	5	3.8	3	2.2	5	4.5	1	5.0	27	5.0
	Once a month	2	1.5	1	0.8	0	0.0	1	0.9	0	0.0	4	0.7
	2 to 3 times a mo.	5	3.6	1	0.8	1	0.7	0	0.0	0	0.0	7	1.3
	Once a week	5	3.6	3	2.3	1	0.7	2	1.8	0	0.0	11	2.1
	2 to 3 times a week	10	7.3	4	3.1	0	0.0	1	0.9	1	5.0	16	3.0
	4 to 6 times a week	2	1.5	0	0.0	0	0.0	0	0.0	0	0.0	2	0.4
	Once a day	35	25.5	10	7.6	5	3.7	6	5.4	2	10.0	58	10.8
	2 to 3 times a day	46	33.6	59	45.0	47	34.8	36	32.1	7	35.0	195	36.4
	4 or more times	19	13.9	48	36.6	78	57.8	61	54.5	9	45.0	215	40.2
Total	Never	32	11.9	12	5.1	14	4.9	15	6.3	3	6.5	76	7.1
	Once a month	2	0.7	1	0.4	0	0.0	2	0.8	0	0.0	5	0.5
	2 to 3 times a mo.	10	3.7	2	0.9	2	0.7	1	0.4	0	0.0	15	1.4
	Once a week	10	3.7	4	1.7	4	1.4	2	0.8	0	0.0	20	1.9
	2 to 3 times a week	17	6.3	5	2.1	3	1.0	3	1.3	1	2.2	29	2.7
	4 to 6 times a week	9	3.3	4	1.7	7	2.4	1	0.4	0	0.0	21	2.0
	Once a day	49	18.2	20	8.5	18	6.3	10	4.2	4	8.7	101	9.4
	2 to 3 times a day	95	35.3	106	45.3	93	32.5	78	32.8	18	39.1	390	36.3
	4 or more times	45	16.7	80	34.2	145	50.7	126	52.9	20	43.5	416	38.8

Frequency of beverage intake  
Oolong tea

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	14	10.6	18	17.5	38	25.2	46	36.5	15	57.7	131	24.3
	Once a month	6	4.5	3	2.9	4	2.6	7	5.6	1	3.8	21	3.9
	2 to 3 times a mo.	3	2.3	3	2.9	6	4.0	1	0.8	0	0.0	13	2.4
	Once a week	6	4.5	2	1.9	2	1.3	4	3.2	1	3.8	15	2.8
	2 to 3 times a week	8	6.1	9	8.7	9	6.0	10	7.9	1	3.8	37	6.9
	4 to 6 times a week	9	6.8	8	7.8	11	7.3	4	3.2	0	0.0	32	5.9
	Once a day	33	25.0	24	23.3	31	20.5	21	16.7	4	15.4	113	21.0
	2 to 3 times a day	36	27.3	24	23.3	30	19.9	25	19.8	3	11.5	118	21.9
	4 or more times	17	12.9	12	11.7	20	13.2	8	6.3	1	3.8	58	10.8
Female	Never	15	10.9	21	16.0	28	20.7	40	35.7	6	30.0	110	20.6
	Once a month	1	0.7	4	3.1	5	3.7	2	1.8	1	5.0	13	2.4
	2 to 3 times a mo.	3	2.2	4	3.1	4	3.0	1	0.9	0	0.0	12	2.2
	Once a week	6	4.4	6	4.6	8	5.9	6	5.4	0	0.0	26	4.9
	2 to 3 times a week	9	6.6	3	2.3	6	4.4	4	3.6	1	5.0	23	4.3
	4 to 6 times a week	7	5.1	12	9.2	10	7.4	11	9.8	1	5.0	41	7.7
	Once a day	27	19.7	27	20.6	30	22.2	11	9.8	8	40.0	103	19.3
	2 to 3 times a day	47	34.3	40	30.5	31	23.0	24	21.4	2	10.0	144	26.9
	4 or more times	22	16.1	14	10.7	13	9.6	13	11.6	1	5.0	63	11.8
Total	Never	29	10.8	39	16.7	66	23.1	86	36.1	21	45.7	241	22.5
	Once a month	7	2.6	7	3.0	9	3.1	9	3.8	2	4.3	34	3.2
	2 to 3 times a mo.	6	2.2	7	3.0	10	3.5	2	0.8	0	0.0	25	2.3
	Once a week	12	4.5	8	3.4	10	3.5	10	4.2	1	2.2	41	3.8
	2 to 3 times a week	17	6.3	12	5.1	15	5.2	14	5.9	2	4.3	60	5.6
	4 to 6 times a week	16	5.9	20	8.5	21	7.3	15	6.3	1	2.2	73	6.8
	Once a day	60	22.3	51	21.8	61	21.3	32	13.4	12	26.1	216	20.1
	2 to 3 times a day	83	30.9	64	27.4	61	21.3	49	20.6	5	10.9	262	24.4
	4 or more times	39	14.5	26	11.1	33	11.5	21	8.8	2	4.3	121	11.3

Frequency of beverage intake  
Carbonated beverages (such as cola, soda, etc.)

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	73	55.3	59	57.3	124	82.1	101	80.2	21	80.8	378	70.3
	Once a month	16	12.1	14	13.6	9	6.0	8	6.3	2	7.7	49	9.1
	2 to 3 times a mo.	12	9.1	7	6.8	8	5.3	6	4.8	2	7.7	35	6.5
	Once a week	17	12.9	10	9.7	4	2.6	3	2.4	0	0.0	34	6.3
	2 to 3 times a week	11	8.3	10	9.7	3	2.0	5	4.0	1	3.8	30	5.6
	4 to 6 times a week	0	0.0	2	1.9	1	0.7	0	0.0	0	0.0	3	0.6
	Once a day	3	2.3	1	1.0	2	1.3	3	2.4	0	0.0	9	1.7
	2 to 3 times a day	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Female	Never	80	58.4	107	81.7	118	87.4	95	84.8	17	85.0	417	77.9
	Once a month	23	16.8	7	5.3	8	5.9	9	8.0	1	5.0	48	9.0
	2 to 3 times a mo.	15	10.9	6	4.6	3	2.2	2	1.8	1	5.0	27	5.0
	Once a week	9	6.6	2	1.5	3	2.2	3	2.7	0	0.0	17	3.2
	2 to 3 times a week	9	6.6	7	5.3	1	0.7	2	1.8	1	5.0	20	3.7
	4 to 6 times a week	1	0.7	1	0.8	1	0.7	0	0.0	0	0.0	3	0.6
	Once a day	0	0.0	1	0.8	0	0.0	1	0.9	0	0.0	2	0.4
	2 to 3 times a day	0	0.0	0	0.0	1	0.7	0	0.0	0	0.0	1	0.2
Total	Never	153	56.9	166	70.9	242	84.6	196	82.4	38	82.6	795	74.1
	Once a month	39	14.5	21	9.0	17	5.9	17	7.1	3	6.5	97	9.0
	2 to 3 times a mo.	27	10.0	13	5.6	11	3.8	8	3.4	3	6.5	62	5.8
	Once a week	26	9.7	12	5.1	7	2.4	6	2.5	0	0.0	51	4.8
	2 to 3 times a week	20	7.4	17	7.3	4	1.4	7	2.9	2	4.3	50	4.7
	4 to 6 times a week	1	0.4	3	1.3	2	0.7	0	0.0	0	0.0	6	0.6
	Once a day	3	1.1	2	0.9	2	0.7	4	1.7	0	0.0	11	1.0
	2 to 3 times a day	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	1	0.1

Frequency of beverage intake  
Isotonic drink

		40 - 49yr		50 - 59yr		60 - 69yr		70 - 79yr		80yr -		Total	
		N	%	N	%	N	%	N	%	N	%	N	%
Male	Never	40	30.3	49	47.6	89	58.9	96	76.2	21	80.8	295	54.8
	Once a month	13	9.8	11	10.7	19	12.6	5	4.0	1	3.8	49	9.1
	2 to 3 times a mo.	13	9.8	14	13.6	9	6.0	8	6.3	2	7.7	46	8.6
	Once a week	26	19.7	9	8.7	11	7.3	10	7.9	1	3.8	57	10.6
	2 to 3 times a week	24	18.2	9	8.7	14	9.3	4	3.2	0	0.0	51	9.5
	4 to 6 times a week	4	3.0	5	4.9	2	1.3	1	0.8	0	0.0	12	2.2
	Once a day	7	5.3	5	4.9	4	2.6	2	1.6	1	3.8	19	3.5
	2 to 3 times a day	4	3.0	1	1.0	2	1.3	0	0.0	0	0.0	7	1.3
	4 or more times	1	0.8	0	0.0	1	0.7	0	0.0	0	0.0	2	0.4
Female	Never	77	56.2	94	71.8	103	76.3	92	82.1	18	90.0	384	71.8
	Once a month	19	13.9	11	8.4	11	8.1	7	6.3	0	0.0	48	9.0
	2 to 3 times a mo.	12	8.8	9	6.9	8	5.9	8	7.1	0	0.0	37	6.9
	Once a week	16	11.7	7	5.3	4	3.0	3	2.7	1	5.0	31	5.8
	2 to 3 times a week	10	7.3	6	4.6	5	3.7	2	1.8	1	5.0	24	4.5
	4 to 6 times a week	0	0.0	2	1.5	1	0.7	0	0.0	0	0.0	3	0.6
	Once a day	3	2.2	1	0.8	2	1.5	0	0.0	0	0.0	6	1.1
	2 to 3 times a day	0	0.0	1	0.8	1	0.7	0	0.0	0	0.0	2	0.4
	4 or more times	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Total	Never	117	43.5	143	61.1	192	67.1	188	79.0	39	84.8	679	63.3
	Once a month	32	11.9	22	9.4	30	10.5	12	5.0	1	2.2	97	9.0
	2 to 3 times a mo.	25	9.3	23	9.8	17	5.9	16	6.7	2	4.3	83	7.7
	Once a week	42	15.6	16	6.8	15	5.2	13	5.5	2	4.3	88	8.2
	2 to 3 times a week	34	12.6	15	6.4	19	6.6	6	2.5	1	2.2	75	7.0
	4 to 6 times a week	4	1.5	7	3.0	3	1.0	1	0.4	0	0.0	15	1.4
	Once a day	10	3.7	6	2.6	6	2.1	2	0.8	1	2.2	25	2.3
	2 to 3 times a day	4	1.5	2	0.9	3	1.0	0	0.0	0	0.0	9	0.8
	4 or more times	1	0.4	0	0.0	1	0.3	0	0.0	0	0.0	2	0.2

Average ethanol intake per day (ml/day)  
Japanese sake

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	3.0	7.8	132	4.0	11.1	102	6.3	13.6	151	6.8	13.8	126	10.7	17.1	26	5.4	12.3	537
Female	0.2	1.3	137	0.3	2.0	131	0.8	3.6	135	0.7	3.9	112	1.1	4.5	20	0.5	2.9	535
Total	1.6	5.7	269	1.9	7.7	233	3.7	10.5	286	3.9	10.8	238	6.5	13.9	46	3.0	9.3	1072

Average ethanol intake per day (ml/day)  
Japanese distilled alcoholic beverages (Shochu)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	20.6	38.6	132	17.8	29.6	103	15.5	27.4	151	8.8	22.0	126	2.9	11.5	26	15.0	29.7	538
Female	3.9	11.1	137	3.0	12.1	131	3.3	20.6	135	1.4	7.0	112	5.6	17.2	20	3.1	14.0	535
Total	12.1	29.3	269	9.5	22.8	234	9.8	25.1	286	5.3	17.1	238	4.1	14.2	46	9.1	24.0	1073

Average ethanol intake per day (ml/day)  
Regular or draft beer

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	4.5	9.0	132	7.1	11.0	103	5.3	9.6	151	3.7	7.2	126	0.9	1.7	26	4.9	9.1	538
Female	1.2	3.7	137	1.0	3.2	131	1.1	3.3	135	0.6	2.5	112	0.2	0.6	20	0.9	3.2	535
Total	2.8	7.0	269	3.6	8.3	234	3.3	7.6	286	2.2	5.7	238	0.6	1.4	46	2.9	7.1	1073

Average ethanol intake per day (ml/day)  
Light beer

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	6.2	10.0	132	6.7	11.6	103	2.8	7.0	151	1.5	4.3	126	2.2	5.7	26	4.0	8.6	538
Female	2.1	5.6	136	1.5	4.9	131	1.1	3.8	135	0.5	2.6	112	0.9	3.9	20	1.3	4.5	534
Total	4.1	8.3	268	3.8	8.9	234	2.0	5.8	286	1.0	3.7	238	1.6	5.0	46	2.7	7.0	1072

Average ethanol intake per day (ml/day)  
Wine

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.4	1.9	132	0.4	1.0	103	0.3	1.4	151	0.2	0.9	126	0.0	0.2	26	0.3	1.3	538
Female	0.7	3.2	137	0.3	1.6	131	0.3	2.0	135	0.1	0.5	112	0.0	0.0	20	0.4	2.1	535
Total	0.5	2.6	269	0.3	1.4	234	0.3	1.7	286	0.2	0.7	238	0.0	0.1	46	0.3	1.7	1073

Average ethanol intake per day (ml/day)  
Hard liquors (such as whisky, brandy, gin, vodka, rum, cocktails, etc.)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.3	1.1	132	1.4	5.7	103	1.7	12.4	151	0.9	3.4	126	0.6	2.7	26	1.1	7.2	538
Female	0.1	0.5	137	0.0	0.1	131	0.2	1.3	135	0.1	1.0	112	0.0	0.0	20	0.1	0.8	535
Total	0.2	0.8	269	0.6	3.8	234	1.0	9.0	286	0.5	2.6	238	0.3	2.1	46	0.6	5.2	1073

Average ethanol intake per day (ml/day)  
Total alcohol

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	35.0	45.5	132	36.8	37.9	102	31.9	36.9	151	21.9	28.3	126	17.3	22.0	26	30.5	37.5	537
Female	8.2	15.1	136	6.1	15.0	131	6.9	23.8	135	3.4	9.6	112	7.8	20.2	20	6.3	17.1	534
Total	21.4	36.2	268	19.5	31.4	233	20.1	33.8	286	13.2	23.5	238	13.1	21.6	46	18.5	31.6	1071

## V. Bone Analysis



## V. Bone Analysis

### 1) Bone mineral weight and density

#### 1. Dual energy X-ray absorptiometry (DXA)

Whole body bone mineral weight

Whole body bone mineral density

Head bone mineral weight

Head bone mineral density

Left arm bone mineral weight

Left arm bone mineral density

Right arm bone mineral weight

Right arm bone mineral density

Left rib cage bone mineral weight

Left rib cage bone mineral density

Right rib cage bone mineral weight

Right rib cage bone mineral density

Thoracic spine bone mineral weight

Thoracic spine bone mineral density

Lumbar spine bone mineral weight

Lumbar bone mineral density

Pelvic bone mineral weight

Pelvic bone mineral density

Left leg bone mineral weight

Left leg bone mineral density

Right leg bone mineral weight

Right leg bone mineral density

Lumbar spine 2-4

Right and left femoral neck

Right and left trochanter region

Right and left Ward's triangle

Bone mineral density

1. Dual energy X-ray absorptiometry (DXA) (Hologic QDR-4500)

Whole body bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2399.3	332.8	131	2340.7	340.2	101	2263.4	315.5	149	2091.3	296.3	120	1887.9	248.5	26	2254.3	345.8	527
Female	1992.4	263.9	134	1776.2	271.7	130	1556.8	254.4	133	1406.2	209.1	111	1350.3	214.0	19	1682.5	336.7	527
Total	2193.6	362.2	265	2023.0	412.9	231	1930.2	455.7	282	1762.1	428.9	231	1660.9	354.9	45	1968.4	445.2	1054

Whole body bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	1.130	0.092	131	1.115	0.092	101	1.107	0.099	149	1.058	0.097	120	1.020	0.103	26	1.099	0.101	527
Female	1.103	0.088	134	1.020	0.107	130	0.925	0.091	133	0.881	0.067	111	0.880	0.081	19	0.983	0.125	527
Total	1.116	0.091	265	1.062	0.111	231	1.021	0.132	282	0.973	0.122	231	0.961	0.117	45	1.041	0.127	1054

Head bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	512.2	80.8	131	509.7	80.6	101	493.6	84.4	149	448.4	79.0	120	451.2	79.7	26	488.9	85.0	527
Female	553.9	95.7	135	484.6	98.9	131	413.7	84.0	133	384.3	68.4	111	381.1	73.6	19	459.7	109.7	529
Total	533.4	90.9	266	495.5	92.0	232	455.9	93.0	282	417.6	80.6	231	421.6	84.0	45	474.3	99.2	1056

Head bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	2.037	0.262	131	2.063	0.273	101	2.028	0.299	149	1.902	0.298	120	1.949	0.313	26	2.005	0.291	527
Female	2.349	0.341	135	2.102	0.374	131	1.826	0.323	133	1.756	0.272	111	1.735	0.281	19	2.010	0.405	529
Total	2.195	0.342	266	2.085	0.334	232	1.933	0.326	282	1.832	0.294	231	1.859	0.315	45	2.007	0.353	1056

Left arm bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	177.0	24.7	131	174.9	26.9	101	167.9	27.1	149	157.2	22.4	120	141.9	22.3	26	167.8	26.9	527
Female	122.2	15.8	135	109.8	17.6	131	97.1	18.2	133	88.7	15.6	111	81.1	15.6	19	104.3	21.3	529
Total	149.2	34.3	266	138.2	39.1	232	134.5	42.4	282	124.3	39.4	231	116.2	36.1	45	136.0	39.9	1056

Left arm bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.790	0.050	131	0.785	0.058	101	0.774	0.058	149	0.745	0.063	120	0.716	0.075	26	0.771	0.062	527
Female	0.679	0.039	135	0.638	0.054	131	0.591	0.049	133	0.571	0.044	111	0.558	0.040	19	0.620	0.063	529
Total	0.734	0.071	266	0.702	0.092	232	0.688	0.106	282	0.661	0.102	231	0.649	0.101	45	0.695	0.098	1056

Right arm bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	187.4	27.3	131	185.3	30.2	101	177.0	27.1	149	163.6	23.7	120	148.1	21.6	26	176.7	28.9	527
Female	129.8	16.8	135	117.8	18.3	131	104.1	19.4	133	94.6	15.2	111	86.9	16.5	19	111.4	22.3	529
Total	158.2	36.6	266	147.2	41.3	232	142.6	43.5	282	130.4	39.9	231	122.2	36.2	45	144.0	41.6	1056

Right arm bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.814	0.059	131	0.807	0.061	101	0.790	0.063	149	0.758	0.065	120	0.729	0.072	26	0.789	0.067	527
Female	0.698	0.042	135	0.655	0.054	131	0.606	0.051	133	0.579	0.043	111	0.567	0.042	19	0.634	0.066	529
Total	0.755	0.077	266	0.721	0.095	232	0.703	0.108	282	0.672	0.105	231	0.661	0.101	45	0.711	0.102	1056

Left rib cage bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	85.9	18.2	131	82.5	14.0	101	80.5	13.4	149	75.1	14.4	120	63.3	9.7	26	80.1	15.8	527
Female	68.6	11.8	135	65.3	23.4	131	57.6	12.2	133	54.6	10.9	111	51.9	10.6	19	61.5	16.4	529
Total	77.1	17.5	266	72.8	21.6	232	69.7	17.2	282	65.2	16.4	231	58.5	11.5	45	70.8	18.6	1056

Left rib cage bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.653	0.077	131	0.629	0.061	101	0.630	0.075	149	0.610	0.071	120	0.578	0.059	26	0.628	0.074	527
Female	0.602	0.052	135	0.569	0.167	131	0.509	0.053	133	0.495	0.045	111	0.478	0.035	19	0.544	0.103	529
Total	0.627	0.070	266	0.595	0.135	232	0.573	0.089	282	0.555	0.083	231	0.536	0.071	45	0.586	0.099	1056

Right rib cage bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	84.0	16.3	131	83.6	15.6	101	81.5	16.6	149	75.7	15.8	120	64.5	12.9	26	80.4	16.7	527
Female	69.8	12.2	135	65.5	13.9	131	62.7	15.2	133	61.3	14.2	111	61.1	29.4	19	64.8	15.0	529
Total	76.8	16.0	266	73.4	17.2	232	72.6	18.5	282	68.8	16.7	231	63.1	21.2	45	72.6	17.6	1056

Right rib cage bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.644	0.065	131	0.636	0.064	101	0.629	0.071	149	0.608	0.071	120	0.584	0.069	26	0.627	0.070	527
Female	0.600	0.057	135	0.558	0.060	131	0.515	0.053	133	0.502	0.044	111	0.549	0.236	19	0.546	0.078	529
Total	0.621	0.065	266	0.592	0.073	232	0.575	0.086	282	0.557	0.079	231	0.569	0.161	45	0.586	0.085	1056

Thoracic spine bone mineral weight (g)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	118.1	22.7	131	119.2	25.4	101	123.0	29.4	149	111.1	26.0	120	95.9	24.1	26	117.0	26.7	527
Female	98.0	17.7	135	90.9	17.3	131	80.3	17.1	133	75.9	14.6	111	73.4	17.4	19	86.3	18.9	529
Total	107.9	22.6	266	103.2	25.4	232	102.8	32.4	282	94.2	27.6	231	86.4	24.1	45	101.6	27.8	1056

Thoracic spine bone mineral density (g/cm<sup>2</sup>)

	40 - 49yr			50 - 59yr			60 - 69yr			70 - 79yr			80yr -			Total		
	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N	Mean	SD	N
Male	0.833	0.104	131	0.838	0.113	101	0.874	0.135	149	0.843	0.131	120	0.797	0.127	26	0.846	0.124	527
Female	0.842	0.097	135	0.769	0.102	131	0.687	0.099	133	0.659	0.079	111	0.649	0.093	19	0.740	0.119	529
Total	0.838	0.100	266	0.799	0.112	232	0.786	0.151	282	0.755	0.143	231	0.734	0.135	45	0.793	0.133	1056