

Table 3. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual,
by Family Income (in Dollars) and Age, in the United States, 2017-2018

Family income in dollars and age (years)	Sample size	Total flavonoids		Anthocyanidins (continued on next page)									
				Total		Cyanidin		Delphinidin		Malvidin		Pelargonidin	
<i>n</i>		----- <i>mg (standard error)</i> -----											
\$0 - \$24,999:													
2 - 5.....	140	82.45	(16.06)	8.01*	(2.92)	1.69*	(0.59)	0.88*	(0.58)	2.75*	(1.27)	1.38	(0.29)
6 - 11.....	180	67.97	(10.21)	11.91*	(3.96)	2.33*	(0.81)	1.60*	(0.81)	4.75*	(1.89)	0.95	(0.28)
12 - 19.....	253	100.77	(13.24)	7.77*	(2.36)	1.42*	(0.59)	1.00	(0.28)	2.24*	(0.76)	1.15	(0.25)
20 and over...	1,218	188.27	(19.77)	10.17	(1.55)	1.79	(0.50)	1.28	(0.28)	3.37	(0.69)	1.33	(0.21)
2 and over...	1,791	162.00	(15.17)	9.88	(1.17)	1.78	(0.45)	1.25	(0.21)	3.30	(0.51)	1.28	(0.17)
\$25,000 - \$74,999:													
2 - 5.....	207	63.19	(10.21)	13.21	(2.39)	1.89	(0.51)	1.48*	(0.46)	4.70	(1.01)	2.38	(0.50)
6 - 11.....	316	72.66	(8.87)	8.99	(2.29)	1.47	(0.29)	0.92*	(0.36)	3.02	(0.90)	1.77*	(0.54)
12 - 19.....	404	90.89	(13.63)	6.49	(1.24)	1.13	(0.22)	0.75	(0.19)	2.85	(0.79)	0.81	(0.20)
20 and over...	1,799	208.13	(14.96)	15.09	(1.45)	2.06	(0.30)	1.92	(0.35)	5.05	(0.46)	1.63	(0.29)
2 and over...	2,726	178.56	(12.77)	13.69	(1.25)	1.91	(0.26)	1.71	(0.27)	4.66	(0.44)	1.60	(0.24)
\$75,000 and higher:													
2 - 5.....	147	74.89	(16.22)	14.72	(3.23)	3.95*	(1.51)	0.92	(0.20)	4.01	(1.06)	3.39	(0.71)
6 - 11.....	232	79.18	(10.09)	19.73*	(5.95)	2.47	(0.33)	2.10*	(0.85)	4.28*	(1.74)	4.53*	(2.03)
12 - 19.....	299	76.31	(11.71)	7.32	(1.18)	1.15	(0.16)	0.81	(0.16)	2.89	(0.53)	1.18*	(0.49)
20 and over...	1,229	248.06	(22.19)	18.50	(2.35)	3.41	(0.65)	2.14	(0.33)	6.48	(0.96)	1.82	(0.37)
2 and over...	1,907	206.98	(17.18)	17.22	(2.02)	3.10	(0.50)	1.93	(0.27)	5.78	(0.77)	2.06	(0.34)
All Individuals¹:													
2 - 5.....	540	71.31	(8.95)	12.80	(1.66)	2.48	(0.57)	1.15	(0.25)	4.31	(0.62)	2.59	(0.27)
6 - 11.....	795	73.24	(6.59)	13.67	(2.77)	2.00	(0.24)	1.51	(0.39)	3.76	(0.72)	2.76*	(1.00)
12 - 19.....	1,045	88.94	(6.08)	7.31	(0.79)	1.20	(0.16)	0.84	(0.10)	2.83	(0.43)	1.10	(0.22)
20 and over...	4,742	217.46	(12.52)	15.14	(1.28)	2.54	(0.34)	1.84	(0.21)	5.17	(0.45)	1.64	(0.20)
2 and over...	7,122	184.77	(10.15)	14.06	(1.18)	2.35	(0.28)	1.67	(0.18)	4.76	(0.39)	1.72	(0.18)

Table 3. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual,
by Family Income (in Dollars) and Age, in the United States, 2017-2018 (continued)

Family income in dollars and age (years)	Anthocyanidins – continued			
	Peonidin		Petunidin	
	----- mg (standard error) -----			
\$0 - \$24,999:				
2 - 5.....	0.64*	(0.35)	0.68*	(0.52)
6 - 11.....	1.00*	(0.47)	1.29*	(0.72)
12 - 19.....	1.36*	(0.69)	0.60*	(0.20)
20 and over...	1.45	(0.37)	0.95	(0.22)
2 and over...	1.36	(0.30)	0.92	(0.16)
\$25,000 - \$74,999:				
2 - 5.....	1.58	(0.46)	1.19*	(0.40)
6 - 11.....	1.11*	(0.41)	0.71*	(0.30)
12 - 19.....	0.42	(0.11)	0.52	(0.15)
20 and over...	3.14	(0.36)	1.30	(0.20)
2 and over...	2.64	(0.29)	1.17	(0.17)
\$75,000 and higher:				
2 - 5.....	1.73*	(0.84)	0.71	(0.16)
6 - 11.....	4.70*	(2.50)	1.66*	(0.75)
12 - 19.....	0.66*	(0.21)	0.64	(0.14)
20 and over...	3.01	(0.52)	1.65	(0.27)
2 and over...	2.84	(0.47)	1.49	(0.22)
All Individuals¹:				
2 - 5.....	1.36	(0.32)	0.90	(0.21)
6 - 11.....	2.46*	(1.04)	1.19	(0.34)
12 - 19.....	0.74	(0.19)	0.60	(0.08)
20 and over...	2.62	(0.27)	1.33	(0.14)
2 and over...	2.34	(0.25)	1.22	(0.12)

Table 3. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual,
by Family Income (in Dollars) and Age, in the United States, 2017-2018 (continued)

Family income in dollars and age (years)	Flavan-3-ols (continued on next page)														
	Total	Catechins													
		Total	(-)-Epicatechin		(-)-Epicatechin 3-gallate		(-)-Epigallocatechin(-)-Epigallocatechin 3-gallate		(+) -Catechin		(+) -Gallocatechin				
----- mg (standard error) -----															
\$0 - \$24,999:															
2 - 5.....	55.60	(16.02)	27.58	(4.20)	12.80	(1.28)	1.89*	(0.82)	2.96*	(1.11)	3.47*	(1.33)	6.10	(0.66)	0.37* (0.18)
6 - 11.....	39.19	(9.87)	17.74	(2.73)	7.27	(0.66)	1.38*	(0.51)	2.19*	(0.74)	2.78*	(1.00)	3.86	(0.28)	0.26* (0.11)
12 - 19.....	66.50	(11.96)	31.24	(4.64)	7.46	(1.05)	3.60	(0.56)	5.97	(1.02)	9.51	(2.56)	4.12	(0.47)	0.58 (0.11)
20 and over...	148.30	(18.62)	58.26	(6.57)	9.04	(0.68)	8.24	(1.17)	12.93	(1.66)	19.91	(3.09)	6.69	(0.43)	1.44 (0.20)
2 and over...	124.35	(14.40)	50.00	(5.11)	8.92	(0.57)	6.77	(0.90)	10.66	(1.26)	16.35	(2.31)	6.12	(0.36)	1.18 (0.16)
\$25,000 - \$74,999:															
2 - 5.....	34.66	(9.07)	19.53	(1.81)	9.17	(0.76)	1.03*	(0.40)	1.69*	(0.55)	2.17*	(0.79)	5.29	(0.38)	0.18* (0.08)
6 - 11.....	44.23	(8.96)	20.82	(2.74)	8.53	(0.88)	1.61	(0.44)	2.74	(0.71)	2.95	(0.78)	4.66	(0.18)	0.32 (0.09)
12 - 19.....	65.52	(13.07)	27.63	(5.42)	6.92	(0.53)	3.06	(0.87)	4.90	(1.28)	7.77*	(2.55)	4.51	(0.40)	0.47 (0.14)
20 and over...	162.56	(14.73)	73.46	(11.65)	9.94	(0.71)	10.32	(1.57)	16.51	(2.54)	27.77	(6.39)	7.32	(0.52)	1.62 (0.19)
2 and over...	137.19	(12.12)	62.07	(8.82)	9.49	(0.58)	8.45	(1.19)	13.53	(1.91)	22.55	(4.82)	6.73	(0.44)	1.33 (0.15)
\$75,000 and higher:															
2 - 5.....	35.92*	(12.87)	21.67	(4.40)	10.75	(1.62)	1.00*	(0.58)	1.68*	(0.82)	1.78*	(0.96)	6.27	(0.88)	0.20* (0.12)
6 - 11.....	33.14	(6.19)	19.80	(1.52)	9.74	(0.79)	0.92	(0.27)	2.02	(0.47)	1.94	(0.49)	5.01	(0.48)	0.17* (0.06)
12 - 19.....	43.19	(9.45)	21.27*	(6.48)	6.77	(0.75)	1.88*	(0.92)	3.25*	(1.48)	5.49*	(3.37)	3.63	(0.45)	0.25* (0.10)
20 and over...	193.08	(21.07)	98.31	(19.47)	11.78	(1.25)	13.63	(2.61)	22.03	(4.27)	40.14	(10.67)	8.86	(0.74)	1.86 (0.24)
2 and over...	155.87	(16.17)	79.69	(14.64)	11.01	(0.92)	10.69	(1.97)	17.34	(3.23)	31.34	(8.07)	7.84	(0.58)	1.46 (0.18)
All Individuals¹:															
2 - 5.....	38.56	(7.64)	21.70	(2.33)	10.47	(0.67)	1.15*	(0.35)	1.89	(0.49)	2.20	(0.61)	5.78	(0.41)	0.22* (0.07)
6 - 11.....	37.40	(4.71)	19.45	(1.28)	8.74	(0.44)	1.21	(0.23)	2.22	(0.37)	2.36	(0.41)	4.68	(0.23)	0.23 (0.05)
12 - 19.....	58.51	(5.37)	26.39	(3.52)	7.13	(0.35)	2.77	(0.49)	4.58	(0.79)	7.41	(1.90)	4.07	(0.24)	0.42 (0.06)
20 and over...	169.69	(11.95)	79.26	(7.01)	10.47	(0.43)	11.05	(1.06)	17.76	(1.65)	30.56	(3.63)	7.76	(0.31)	1.65 (0.13)
2 and over...	140.57	(9.44)	65.90	(5.41)	9.97	(0.32)	8.88	(0.82)	14.30	(1.28)	24.39	(2.81)	7.01	(0.27)	1.34 (0.10)

Table 3. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual,
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Family income in dollars and age (years)	Flavan-3-ols – continued									
	Theaflavin		Theaflavin-3,3'- digallate		Theaflavin-3'- gallate		Theaflavin-3- gallate		Thearubigins	
	----- mg (standard error) -----									
\$0 - \$24,999:										
2 - 5.....	0.45*	(0.22)	0.50*	(0.25)	0.43*	(0.21)	0.36*	(0.18)	26.28*	(11.34)
6 - 11.....	0.31*	(0.13)	0.34*	(0.15)	0.29*	(0.13)	0.24*	(0.11)	20.27*	(7.06)
12 - 19.....	0.55*	(0.21)	0.60*	(0.23)	0.51*	(0.20)	0.42*	(0.17)	33.18*	(11.11)
20 and over...	1.46	(0.24)	1.61	(0.27)	1.37	(0.23)	1.15	(0.19)	84.44	(12.45)
2 and over...	1.20	(0.19)	1.32	(0.21)	1.13	(0.18)	0.94	(0.15)	69.76	(9.57)
\$25,000 - \$74,999:										
2 - 5.....	0.21*	(0.10)	0.23*	(0.11)	0.20*	(0.09)	0.16*	(0.08)	14.34*	(7.37)
6 - 11.....	0.39*	(0.12)	0.43*	(0.13)	0.37*	(0.11)	0.31*	(0.09)	21.91	(6.16)
12 - 19.....	0.51	(0.15)	0.55	(0.16)	0.46*	(0.14)	0.39*	(0.12)	35.96	(8.37)
20 and over...	1.48	(0.23)	1.62	(0.25)	1.39	(0.22)	1.15	(0.18)	83.47	(11.46)
2 and over...	1.23	(0.19)	1.35	(0.21)	1.15	(0.18)	0.96	(0.15)	70.42	(10.05)
\$75,000 and higher:										
2 - 5.....	0.24*	(0.16)	0.26*	(0.17)	0.23*	(0.15)	0.19*	(0.12)	13.33*	(8.15)
6 - 11.....	0.20*	(0.07)	0.22*	(0.08)	0.19*	(0.07)	0.15*	(0.06)	12.58*	(4.75)
12 - 19.....	0.22*	(0.07)	0.24*	(0.08)	0.20*	(0.07)	0.16*	(0.06)	21.09	(5.08)
20 and over...	1.56	(0.24)	1.70	(0.27)	1.44	(0.23)	1.21	(0.19)	88.86	(12.38)
2 and over...	1.23	(0.19)	1.35	(0.21)	1.14	(0.18)	0.96	(0.15)	71.50	(10.02)
All Individuals¹:										
2 - 5.....	0.26*	(0.09)	0.29*	(0.10)	0.25*	(0.09)	0.21*	(0.07)	15.85*	(5.17)
6 - 11.....	0.28	(0.06)	0.31	(0.07)	0.27	(0.06)	0.22	(0.05)	16.87	(3.38)
12 - 19.....	0.41	(0.06)	0.45	(0.07)	0.38	(0.06)	0.31	(0.05)	30.57	(3.83)
20 and over...	1.49	(0.13)	1.63	(0.15)	1.39	(0.13)	1.16	(0.11)	84.75	(6.48)
2 and over...	1.22	(0.11)	1.33	(0.12)	1.14	(0.10)	0.95	(0.08)	70.04	(5.23)

Table 3. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual, by Family Income (in Dollars) and Age, in the United States, 2017-2018 (continued)

Family income in dollars and age (years)	Flavanones							
	Total		Eriodictyol		Hesperetin		Naringenin	
	----- mg (standard error) -----							
\$0 - \$24,999:								
2 - 5.....	9.44	(2.83)	0.02*	(0.01)	6.45	(1.83)	2.97*	(1.04)
6 - 11.....	7.58	(1.57)	0.03*	(0.01)	5.80	(1.31)	1.75	(0.30)
12 - 19.....	9.92	(2.21)	0.12*	(0.09)	7.66	(1.75)	2.15	(0.47)
20 and over...	9.84	(1.14)	0.15*	(0.05)	6.84	(0.72)	2.85	(0.46)
2 and over...	9.65	(0.93)	0.13*	(0.04)	6.84	(0.59)	2.68	(0.36)
\$25,000 - \$74,999:								
2 - 5.....	8.05	(2.08)	0.02*	(0.01)	5.74	(1.54)	2.29	(0.58)
6 - 11.....	10.52	(1.60)	0.05*	(0.02)	7.46	(1.06)	3.02	(0.59)
12 - 19.....	7.71	(1.44)	0.37*	(0.21)	5.45	(1.03)	1.89	(0.43)
20 and over...	10.14	(0.88)	0.25*	(0.08)	6.80	(0.50)	3.09	(0.40)
2 and over...	9.82	(0.70)	0.23	(0.07)	6.66	(0.43)	2.93	(0.31)
\$75,000 and higher:								
2 - 5.....	14.95*	(9.15)	0.06*	(0.03)	12.11*	(7.87)	2.78*	(1.28)
6 - 11.....	15.69	(4.38)	0.12*	(0.09)	11.08	(3.06)	4.49*	(1.43)
12 - 19.....	14.84*	(5.08)	0.08*	(0.04)	11.02*	(4.25)	3.74	(1.00)
20 and over...	10.29	(1.14)	0.11	(0.02)	7.04	(0.78)	3.14	(0.40)
2 and over...	11.46	(1.20)	0.10	(0.02)	8.05	(0.86)	3.31	(0.36)
All Individuals¹:								
2 - 5.....	11.46	(2.90)	0.03*	(0.01)	8.51	(2.51)	2.91	(0.43)
6 - 11.....	12.65	(2.05)	0.07*	(0.04)	9.07	(1.39)	3.51	(0.72)
12 - 19.....	10.78	(2.19)	0.18*	(0.08)	7.99	(1.80)	2.62	(0.43)
20 and over...	10.23	(0.69)	0.16	(0.03)	6.97	(0.43)	3.10	(0.29)
2 and over...	10.55	(0.72)	0.15	(0.03)	7.32	(0.48)	3.07	(0.26)

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Family income in dollars and age (years)	Flavones					
	Total		Apigenin		Luteolin	
	----- mg (standard error) -----					
\$0 - \$24,999:						
2 - 5.....	0.27	(0.05)	0.02 *	(0.01)	0.25	(0.05)
6 - 11.....	0.35	(0.05)	0.07 *	(0.02)	0.28	(0.03)
12 - 19.....	0.50	(0.09)	0.05	(0.01)	0.45	(0.09)
20 and over...	0.73	(0.06)	0.12	(0.01)	0.61	(0.06)
2 and over...	0.65	(0.05)	0.10	(0.01)	0.55	(0.04)
\$25,000 - \$74,999:						
2 - 5.....	0.49	(0.08)	0.03	(0.01)	0.47	(0.08)
6 - 11.....	0.38	(0.03)	0.03	(0.01)	0.35	(0.03)
12 - 19.....	0.52	(0.08)	0.05	(0.01)	0.47	(0.07)
20 and over...	0.91	(0.05)	0.18	(0.04)	0.73	(0.04)
2 and over...	0.81	(0.05)	0.15	(0.03)	0.66	(0.03)
\$75,000 and higher:						
2 - 5.....	0.55	(0.11)	0.02	(0.01)	0.53	(0.11)
6 - 11.....	0.50	(0.07)	0.03 *	(0.01)	0.47	(0.07)
12 - 19.....	0.56	(0.08)	0.06 *	(0.02)	0.50	(0.07)
20 and over...	1.06	(0.09)	0.20	(0.03)	0.86	(0.09)
2 and over...	0.94	(0.08)	0.16	(0.02)	0.77	(0.08)
All Individuals¹:						
2 - 5.....	0.46	(0.06)	0.02	(#)	0.44	(0.06)
6 - 11.....	0.43	(0.04)	0.04	(0.01)	0.39	(0.04)
12 - 19.....	0.52	(0.05)	0.05	(0.01)	0.47	(0.04)
20 and over...	0.94	(0.04)	0.18	(0.01)	0.77	(0.04)
2 and over...	0.83	(0.04)	0.14	(0.01)	0.69	(0.03)

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Family income in dollars and age (years)	Flavonols									
	Total		Isorhamnetin		Kaempferol		Myricetin		Quercetin	
	----- mg (standard error) -----									
\$0 - \$24,999:										
2 - 5.....	7.89	(0.72)	0.19	(0.03)	1.68	(0.37)	0.47	(0.09)	5.56	(0.37)
6 - 11.....	8.34	(0.76)	0.28*	(0.08)	1.58	(0.22)	0.56	(0.09)	5.92	(0.66)
12 - 19.....	10.46	(1.15)	0.50	(0.08)	2.29	(0.28)	0.80	(0.10)	6.86	(0.84)
20 and over...	16.65	(0.86)	0.75	(0.06)	4.58	(0.33)	1.51	(0.10)	9.81	(0.55)
2 and over...	14.74	(0.65)	0.65	(0.05)	3.90	(0.25)	1.29	(0.06)	8.90	(0.44)
\$25,000 - \$74,999:										
2 - 5.....	6.45	(0.65)	0.16	(0.03)	1.25	(0.14)	0.42	(0.12)	4.62	(0.44)
6 - 11.....	7.48	(0.72)	0.23	(0.04)	1.42	(0.20)	0.50	(0.09)	5.33	(0.47)
12 - 19.....	9.85	(0.76)	0.47	(0.09)	2.00	(0.24)	0.87	(0.17)	6.51	(0.46)
20 and over...	17.44	(0.50)	0.79	(0.06)	4.76	(0.23)	1.61	(0.08)	10.29	(0.29)
2 and over...	15.35	(0.49)	0.68	(0.06)	4.04	(0.20)	1.39	(0.06)	9.24	(0.29)
\$75,000 and higher:										
2 - 5.....	7.98	(0.93)	0.21	(0.04)	1.62	(0.34)	0.35	(0.05)	5.79	(0.69)
6 - 11.....	8.62	(0.48)	0.25	(0.03)	1.54	(0.21)	0.53	(0.09)	6.31	(0.35)
12 - 19.....	9.59	(0.75)	0.42	(0.08)	2.03	(0.23)	0.80	(0.10)	6.35	(0.48)
20 and over...	21.15	(1.02)	1.14	(0.10)	5.61	(0.40)	1.96	(0.16)	12.43	(0.56)
2 and over...	18.21	(0.87)	0.94	(0.08)	4.69	(0.34)	1.64	(0.13)	10.94	(0.48)
All Individuals¹:										
2 - 5.....	7.38	(0.52)	0.21	(0.02)	1.44	(0.18)	0.41	(0.06)	5.32	(0.34)
6 - 11.....	7.99	(0.46)	0.25	(0.03)	1.49	(0.13)	0.51	(0.07)	5.75	(0.31)
12 - 19.....	9.98	(0.55)	0.44	(0.05)	2.11	(0.16)	0.86	(0.07)	6.57	(0.35)
20 and over...	18.67	(0.46)	0.93	(0.04)	5.00	(0.15)	1.72	(0.07)	11.03	(0.30)
2 and over...	16.32	(0.42)	0.78	(0.04)	4.23	(0.13)	1.46	(0.05)	9.84	(0.27)

Table 3. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual,
by Family Income (in Dollars) and Age, in the United States, 2017-2018 (continued)

Family income in dollars and age (years)	Isoflavones							
	Total		Daidzein		Genistein		Glycitein	
	----- mg (standard error) -----							
\$0 - \$24,999:								
2 - 5.....	1.24*	(0.99)	0.48*	(0.38)	0.65*	(0.51)	0.11*	(0.09)
6 - 11.....	0.60*	(0.27)	0.26*	(0.12)	0.30*	(0.13)	0.04*	(0.02)
12 - 19.....	5.61*	(3.54)	2.10*	(1.37)	3.02*	(1.85)	0.49*	(0.32)
20 and over...	2.58	(0.56)	1.00	(0.22)	1.37	(0.30)	0.21	(0.05)
2 and over...	2.73	(0.58)	1.05	(0.23)	1.46	(0.31)	0.23	(0.05)
\$25,000 - \$74,999:								
2 - 5.....	0.32*	(0.14)	0.13*	(0.06)	0.17*	(0.07)	0.02	(0.01)
6 - 11.....	1.05*	(0.46)	0.39*	(0.17)	0.57*	(0.25)	0.09*	(0.04)
12 - 19.....	0.81	(0.22)	0.30	(0.08)	0.45	(0.13)	0.06	(0.02)
20 and over...	1.98	(0.30)	0.75	(0.11)	1.06	(0.16)	0.17	(0.03)
2 and over...	1.71	(0.26)	0.65	(0.10)	0.92	(0.14)	0.15	(0.02)
\$75,000 and higher:								
2 - 5.....	0.77	(0.12)	0.33	(0.06)	0.39	(0.06)	0.05	(0.01)
6 - 11.....	1.51*	(0.54)	0.55*	(0.18)	0.84*	(0.31)	0.12*	(0.05)
12 - 19.....	0.81*	(0.27)	0.31*	(0.10)	0.44*	(0.14)	0.06*	(0.02)
20 and over...	3.98	(0.89)	1.43	(0.30)	2.21	(0.51)	0.34	(0.08)
2 and over...	3.28	(0.64)	1.18	(0.22)	1.82	(0.37)	0.28	(0.06)
All Individuals¹:								
2 - 5.....	0.65*	(0.21)	0.27*	(0.08)	0.34*	(0.11)	0.05*	(0.02)
6 - 11.....	1.10	(0.30)	0.41	(0.10)	0.60	(0.17)	0.09	(0.03)
12 - 19.....	1.84*	(0.87)	0.69*	(0.34)	1.00*	(0.46)	0.15*	(0.08)
20 and over...	2.79	(0.42)	1.03	(0.15)	1.52	(0.23)	0.24	(0.04)
2 and over...	2.44	(0.33)	0.91	(0.12)	1.33	(0.19)	0.21	(0.03)

Symbol Legend

* Indicates an estimate that may be less statistically reliable than estimates that are not flagged. The rules for flagging estimated means are as follows:

Mean: An estimated mean is flagged when based on a sample size of less than 30 times the variance inflation factor (VIF), where the VIF represents a broadly calculated average design effect, or when the relative standard error is greater than 30 percent. The VIF used in this table is 2.57.

Indicates a non-zero value too small to report.

Footnotes

¹ Includes persons of all income levels or with unknown family income.

² Flavonoid Intake Data Files reflect the application of the flavonoid composition values included in the Database of Flavonoid Values for USDA Food Codes 2017-2018 to the WWEIA, NHANES 2017-2018 dietary data.

Notes Applicable to All Tables in Series: Flavonoid Intakes, What We Eat in America, NHANES 2017-2018

Sample weights designed for dietary analysis were used to allow estimates representative of the U. S. population for the years of collection.

The statistics in this table are estimated from Day 1 dietary recall interviews conducted in the *What We Eat in America*, National Health and Nutrition Examination Survey (NHANES) 2017-2018. The 24-hour dietary recalls were conducted in-person, by trained interviewers, using the USDA 5-step Automated Multiple-Pass Method. Food intakes were coded using USDA food codes. A database that provided flavonoid values for all food codes in the 2017-2018 WWEIA, NHANES survey cycle was developed (See: <https://www.ars.usda.gov/ARSDocuments/2017-2018%20WWEIA%20NHANES%20survey%20cycle%20developed>). The USDA Expanded Flavonoid Database for the Assessment of Dietary Intakes, Release 1.1 <https://www.ars.usda.gov/ARSDocuments/2017-2018%20WWEIA%20NHANES%20survey%20cycle%20developed> provided the basis for the flavonoid values included in the 2017-2018 flavonoid database. The flavonoid database was applied to the dietary intake files to generate the flavonoid intake data files, which were analyzed to provide the estimates presented in this table.

Intake of flavonoids are based on the consumption of food and beverages, including water, and do not include intake from supplements or medications.

The table includes data from individuals 2 years and over. Breast-fed children were excluded because breast milk was not quantified in dietary recall interviews.

Suggested Citation

U.S. Department of Agriculture, Agricultural Research Service. 2022. Flavonoid Intakes from Food and Beverages: Mean Amounts Consumed per Individual, by Family Income (in Dollars) and Age, *What We Eat in America*, NHANES 2017-2018.