



Epi Data Tables

New York City Department of Health and Mental Hygiene

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Food-related Anaphylaxis in New York City, 2006-2010

Data Tables

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Data Sources

Bureau of Vital Statistics/Office of the Chief Medical Examiner (OCME): Data on deaths that occurred in New York City between 2006 and 2010 are from the New York City Department of Health and Mental Hygiene's Bureau of Vital Statistics mortality data file. Details on food-related deaths are from OCME records.

Statewide Planning and Research Collaborative System (SPARCS) 2006-2010: SPARCS is an administrative database containing emergency department (ED) and hospital discharges reported by New York State (NYS) hospitals to the NYS Department of Health. Analysis was limited to NYC hospitals.

US Census Bureau: Rates were calculated using population counts from the 2010 US Census.

To access the related Epi Data Brief, go to <http://www.nyc.gov/html/doh/downloads/pdf/epi/databrief41.pdf>



Table 1. Rate per 100,000 population of food-related anaphylaxis emergency department visits and hospitalizations, by age group, New York City, 2006-2010*Source: Statewide Planning and Research Collaborative System, 2006-2010; US Census Bureau*

Year	Emergency department visits			Hospitalizations		
	Age group			Age group		
	0-4 years old	5-17 years old	18 years or older	0-4 years old	5-17 years old	18 years or older
	Rate (n)	Rate (n)	Rate (n)	Rate (n)	Rate (n)	Rate (n)
2006	10.0 (52)	5.8 (72)	3.4 (215)	8.1 (42)	5.0 (63)	2.3 (148)
2007	8.3 (43)	5.1 (64)	2.7 (173)	7.9 (41)	6.7 (84)	1.7 (110)
2008	14.3 (74)	6.0 (75)	2.8 (176)	8.5 (44)	5.2 (65)	1.8 (113)
2009	14.5 (75)	6.2 (78)	2.4 (152)	11.0 (57)	6.0 (57)	2.1 (135)
2010	18.2 (94)	9.5 (119)	2.7 (174)	9.9 (51)	6.9 (86)	2.3 (145)

Table 2. Percentage of anaphylaxis emergency department visits by food trigger and age group, New York City, 2006-2010

Source: Statewide Planning and Research Collaborative System, 2006-2010

Food trigger	Age group			P-value*
	0-4 years old Percent (n)	5-17 years old Percent (n)	18 years or older Percent (n)	
Nuts/seeds	44.3 (150)	31.6 (129)	21.2 (189)	<0.001
Crustacean [^] /fish	7.4 (25)	14.2 (58)	29.3 (261)	<0.001
Fruits/vegetables	3.8 (13)	5.6 (23)	9.8 (83)	<0.001
Milk products	7.7 (26)	2.5 (10)	3.0 (27)	0.02
Eggs	5.0 (17)	0.7 (3)	0.7 (6)	<0.001
Other/unspecified	31.7 (107)	45.3 (185)	36.4 (324)	0.55

*P values are reported for chi-square significance tests for trends for age group.

[^]Crustacean includes shellfish such as lobster or shrimp; it does not include bivalves such as oysters or clams.

Table 3. Percentage of emergency department (ED) visits and hospitalizations for food-related anaphylaxis triggered by peanuts, New York City, 2006-2010

Source: Statewide Planning and Research Collaborative System, 2006-2010

Admission type	Year					P-value*
	2006	2007	2008	2009	2010	
	Percent (n)	Percent (n)	Percent (n)	Percent (n)	Percent (n)	
ED visit	15.6 (53)	20.0 (56)	18.0 (61)	18.0 (55)	24.5 (95)	0.01
Hospitalization	21.7 (55)	22.6 (53)	23.9 (53)	19.5 (52)	18.4 (52)	0.25

*P values are reported for chi-square significance tests for trends for year.

Table 4. Number and ratio of deaths from food-related anaphylaxis to hospital discharges by age group and food category, New York City, 2006-2010

Sources: Statewide Planning and Research Collaborative System, 2006-2010; US Census Bureau 2010

	Deaths #	Hospital discharges #	Ratio of deaths per 100 discharges	P-value*
Total	12	1,259	0.95	
Age group (years)				
0-4	0	235	0	<0.001
17-May	1	373	0.27	
18-44	2	314	0.64	
45-64	5	242	2.07	
65+	4	95	4.21	
Food category				
Nuts/seeds	2	383	0.52	
Crustacean [^]	7	84	8.33	
Fish	1	163	0.61	
Other	0	552	0	
Not specified	2	77	2.6	

*P value is reported for chi-square significance test for trend for age group.

[^]Crustacean includes shellfish such as lobster or shrimp; it does not include mollusks such as oysters or clams.