

## Module: Heart Attack & Stroke Symptoms

NNHS.Q177: (Do you think) pain or discomfort in the jaw, neck, or back (are symptoms of a heart attack)? (N=2,281)

	Total	Male (N=799)	Female (N=1,482)
<b>Yes</b>	37.5% (32.6%, 42.6%)	35.1% (28.2%, 42.7%)	38.3% (32.3%, 44.8%)
<b>No</b>	37.5% (32.1%, 43.3%)	34.2% (27.8%, 41.3%)	40.2% (33.4%, 47.5%)
<b>Don't know/not sure</b>	25.0% (21.0%, 29.5%)	30.7% (25.1%, 36.9%)	21.4% (17.8%, 25.6%)

(Do you think) pain or discomfort in the jaw, neck, or back (are symptoms of a heart attack), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	33.3%	23.8%	44.4%	321
<b>30-39</b>	27.1%	18.8%	37.5%	265
<b>40-49</b>	44.3%	33.9%	55.2%	327
<b>50-59</b>	40.7%	32.7%	49.3%	496
<b>60-69</b>	50.9%	41.1%	60.5%	446
<b>70-79</b>	38.1%	27.9%	49.6%	298
<b>80+</b>	19.2%	9.5%	35.1%	128

## Module: Heart Attack & Stroke Symptoms

(Do you think) pain or discomfort in the jaw, neck, or back (are symptoms of a heart attack), by Agency, Response of “Yes”

Agency	Point	Lower	Upper	N
Chinle	31.8%	27.3%	36.7%	705
Eastern	40.9%	33.5%	48.7%	468
Ft. Defiance	41.1%	30.3%	52.9%	343
Northern	39.4%	28.4%	51.7%	517
Western	28.6%	23.0%	35.1%	248

NNHS.Q178: (Do you think) feeling weak, lightheaded, or faint (are symptoms of heart attack)? (N=2,274)

	Total	Male (N=795)	Female (N=1,479)
Yes	50.9% (45.5%, 56.2%)	48.0% (41.1%, 54.9%)	51.9% (45.4%, 58.4%)
No	29.6% (25.0%, 34.6%)	30.7% (24.3%, 38.0%)	27.1% (22.0%, 33.0%)
Don't know/not sure	19.6% (16.1%, 23.5%)	21.3% (16.7%, 26.7%)	20.9% (17.5%, 24.8%)

## Module: Heart Attack & Stroke Symptoms

(Do you think) feeling weak, lightheaded, or faint (are symptoms of heart attack) by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	52.4%	40.3%	64.3%	321
<b>30-39</b>	53.7%	42.4%	64.5%	265
<b>40-49</b>	52.4%	40.9%	63.6%	325
<b>50-59</b>	49.2%	37.4%	61.1%	496
<b>60-69</b>	57.0%	47.4%	66.2%	445
<b>70-79</b>	40.0%	30.2%	50.6%	295
<b>80+</b>	15.2%	8.1%	26.6%	127

(Do you think) feeling weak, lightheaded, or faint (are symptoms of heart attack) by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
<b>Chinle</b>	46.5%	39.5%	53.6%	704
<b>Eastern</b>	50.3%	39.3%	61.4%	466
<b>Ft. Defiance</b>	46.7%	33.6%	60.3%	339
<b>Northern</b>	51.2%	42.4%	59.8%	517
<b>Western</b>	56.3%	48.1%	64.1%	248

## Module: Heart Attack & Stroke Symptoms

NNHS.Q179: (Do you think) chest pain or discomfort (are symptoms of a heart attack)? (N=2,278)

	Total	Male (N=799)	Female (N=1,479)
<b>Yes</b>	74.7% (70.3%, 78.6%)	72.1% (66.1%, 77.5%)	75.1% (70.5%, 79.2%)
<b>No</b>	12.5% (9.5%, 16.2%)	12.9% (9.4%, 17.4%)	11.3% (8.4%, 15.1%)
<b>Don't know/not sure</b>	12.8% (9.9%, 16.5%)	15.0% (10.9%, 20.3%)	13.6% (10.2%, 17.8%)

(Do you think) chest pain or discomfort (are symptoms of a heart attack), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	81.2%	71.1%	88.3%	321
<b>30-39</b>	79.1%	66.7%	87.7%	264
<b>40-49</b>	84.0%	76.1%	89.6%	326
<b>50-59</b>	67.7%	57.3%	76.6%	495
<b>60-69</b>	69.2%	57.8%	78.6%	446
<b>70-79</b>	54.1%	40.7%	66.9%	299
<b>80+</b>	27.7%	16.8%	42.1%	127

Data Source: Report of the Navajo Behavioral Risk Factor Surveillance Survey, 2013, 2015, 2016.

All Result Responses – Heart Attack and Stroke Symptoms.

Navajo Epidemiology Center/Navajo Department of Health

## Module: Heart Attack & Stroke Symptoms

(Do you think) chest pain or discomfort (are symptoms of a heart attack), by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
Chinle	69.5%	59.1%	78.3%	703
Eastern	79.6%	74.1%	84.2%	468
Ft. Defiance	67.3%	55.2%	77.5%	342
Northern	78.5%	70.6%	84.8%	517
Western	75.4%	64.1%	84.1%	248

NNHS.Q180: (Do you think) sudden trouble seeing in one or both eyes (is a symptom of a heart attack)? (N = 2,275)

	Total	Male (N=796)	Female (1,479)
Yes	37.3% (33.3%, 41.4%)	33.8% (28.1%, 40.1%)	39.1% (34.4%, 43.9%)
No	35.9% (31.6%, 40.5%)	37.3% (31.2%, 43.8%)	32.8% (26.7%, 39.6%)
Don't know/not sure	26.8% (23.3%, 30.7%)	28.9% (22.9%, 35.8%)	28.1% (24.0%, 32.6%)

## Module: Heart Attack & Stroke Symptoms

(Do you think) sudden trouble seeing in one or both eyes (is a symptom of a heart attack), by Age Group, Response of “Yes”

	Point	Lower	Upper	N
<30	45.8%	37.2%	54.7%	321
30-39	34.2%	23.8%	46.4%	265
40-49	47.7%	38.0%	57.6%	326
50-59	27.5%	20.6%	35.6%	494
60-69	28.3%	21.0%	36.8%	446
70-79	30.3%	20.4%	42.5%	297
80+	8.1%	3.4%	18.2%	126

(Do you think) sudden trouble seeing in one or both eyes (is a symptom of a heart attack), by Agency, Response of “Yes”

Agency	Point	Lower	Upper	N
Chinle	35.2%	30.2%	40.5%	705
Eastern	41.2%	32.4%	50.5%	468
Ft. Defiance	28.0%	21.3%	35.7%	337
Northern	40.8%	34.5%	47.4%	517
Western	39.7%	31.1%	49.1%	248

## Module: Heart Attack & Stroke Symptoms

NNHS.Q181: (Do you think) pain or discomfort in the arms or shoulder (are symptoms of a heart attack)? (N = 2,275)

	Total	Male (N=798)	Female (N=1,477)
<b>Yes</b>	65.0% (59.4%, 70.1%)	63.0% (56.0%, 69.5%)	65.6% (58.2%, 72.3%)
<b>No</b>	18.9% (15.3%, 23.3%)	17.7% (13.6%, 22.8%)	18.6% (14.1%, 24.2%)
<b>Don't know/not sure</b>	16.1% (12.7%, 20.1%)	19.3% (14.0%, 26.0%)	15.8% (12.6%, 19.7%)

(Do you think) pain or discomfort in the arms or shoulder (are symptoms of a heart attack), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	59.4%	49.5%	68.6%	321
<b>30-39</b>	72.3%	59.0%	82.5%	264
<b>40-49</b>	78.0%	69.7%	84.6%	326
<b>50-59</b>	64.5%	54.5%	73.3%	495
<b>60-69</b>	65.8%	56.3%	74.1%	446
<b>70-79</b>	46.6%	35.0%	58.6%	297
<b>80+</b>	17.6%	9.4%	30.7%	126

## Module: Heart Attack & Stroke Symptoms

(Do you think) pain or discomfort in the arms or shoulder (are symptoms of a heart attack), by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
Chinle	58.5%	47.9%	68.4%	702
Eastern	65.3%	56.0%	73.5%	468
Ft. Defiance	65.7%	53.6%	76.0%	341
Northern	69.1%	60.8%	76.3%	516
Western	63.6%	50.7%	74.8%	248

NNHS.Q182: (Do you think) shortness of breath (is a symptom of a heart attack)? (N=2,272)

	Total	Male (N=794)	Female (N=1,478)
Yes	68.7% (63.4%, 73.5%)	63.4% (56.0%, 70.2%)	70.4% (65.3%, 75.0%)
No	16.0% (12.6%, 20.0%)	17.4% (13.0%, 22.9%)	15.0% (11.3%, 19.6%)
Don't know/not sure	15.4% (12.2%, 19.3%)	19.2% (14.0%, 25.8%)	14.6% (12.4%, 17.2%)



## Module: Heart Attack & Stroke Symptoms

(Do you think) shortness of breath (is a symptom of a heart attack), by Age Group, Response of “Yes”

	Point	Lower	Upper	N
<b>&lt;30</b>	79.3%	69.2%	86.7%	321
<b>30-39</b>	64.8%	52.8%	75.2%	265
<b>40-49</b>	78.0%	69.0%	85.0%	326
<b>50-59</b>	60.4%	49.5%	70.3%	494
<b>60-69</b>	68.7%	58.6%	77.3%	445
<b>70-79</b>	48.8%	37.0%	60.8%	294
<b>80+</b>	15.5%	7.9%	28.1%	127

(Do you think) shortness of breath (is a symptom of a heart attack), by Agency, Response of “Yes”

Agency	Point	Lower	Upper	N
<b>Chinle</b>	64.4%	53.0%	74.5%	704
<b>Eastern</b>	67.9%	61.0%	74.1%	467
<b>Ft. Defiance</b>	67.2%	56.2%	76.6%	340
<b>Northern</b>	65.1%	52.1%	76.2%	516
<b>Western</b>	70.5%	60.6%	78.8%	245

Data Source: Report of the Navajo Behavioral Risk Factor Surveillance Survey, 2013, 2015, 2016.

All Result Responses – Heart Attack and Stroke Symptoms.

Navajo Epidemiology Center/Navajo Department of Health

Page 9 of 20

## Module: Heart Attack & Stroke Symptoms

NNHS.Q183: (Do you think) sudden confusion or trouble speaking (are symptoms of a stroke)? (N = 2,271)

	Total	Male (N = 794)	Female (N=1,477)
<b>Yes</b>	72.2% (67.5%, 76.4%)	68.5% (62.0%, 74.4%)	72.6% (67.9%, 76.9%)
<b>No</b>	11.5% (8.8%, 14.9%)	11.4% (7.7%, 16.6%)	11.6% (8.1%, 16.2%)
<b>Don't know/not sure</b>	16.3% (13.0%, 20.4%)	20.1% (15.2%, 26.1%)	15.8% (12.9%, 19.2%)

(Do you think) sudden confusion or trouble speaking (are symptoms of a stroke), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	82.0%	73.5%	88.2%	320
<b>30-39</b>	76.4%	64.2%	85.4%	265
<b>40-49</b>	82.0%	72.9%	88.5%	326
<b>50-59</b>	61.4%	49.7%	71.9%	495
<b>60-69</b>	70.0%	60.0%	78.4%	444
<b>70-79</b>	43.6%	31.9%	56.0%	295
<b>80+</b>	16.0%	8.8%	27.3%	126

## Module: Heart Attack & Stroke Symptoms

(Do you think) sudden confusion or trouble speaking (are symptoms of a stroke), by Agency, Response of “Yes”

Agency	Point	Lower	Upper	N
Chinle	66.9%	58.5%	74.3%	704
Eastern	70.7%	63.5%	77.0%	468
Ft. Defiance	64.9%	53.3%	75.1%	338
Northern	74.7%	68.5%	80.1%	515
Western	79.5%	72.9%	84.7%	246

NNHS.Q184: (Do you think) sudden numbness or weakness of the face, arm, or leg, especially on side (are symptoms of a stroke)? (N = 2,274)

	Total	Male (N=795)	Female (N=1,479)
Yes	73.8% (69.6%, 77.7%)	70.5% (64.0%, 76.2%)	73.7% (68.3%, 78.4%)
No	10.5% (7.8%, 13.9%)	11.2% (8.1%, 15.3%)	10.3% (6.5%, 16.1%)
Don't know/not sure	15.7% (12.5%, 19.6%)	18.4% (13.4%, 24.6%)	16.0% (12.8%, 19.8%)

## Module: Heart Attack & Stroke Symptoms

(Do you think) sudden numbness or weakness of the face, arm, or leg, especially on side (are symptoms of a stroke), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<30	81.0%	72.1%	87.5%	321
30-39	73.6%	60.6%	83.5%	265
40-49	84.2%	76.4%	89.7%	325
50-59	68.0%	57.9%	76.7%	495
60-69	76.5%	66.2%	84.4%	445
70-79	44.3%	33.5%	55.7%	296
80+	20.3%	11.4%	33.5%	127

(Do you think) sudden numbness or weakness of the face, arm, or leg, especially on side (are symptoms of a stroke), by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
Chinle	68.8%	60.0%	76.3%	705
Eastern	71.2%	63.3%	77.9%	468
Ft. Defiance	65.9%	53.3%	76.5%	340
Northern	79.3%	73.2%	84.3%	516
Western	78.3%	68.3%	85.7%	245

## Module: Heart Attack & Stroke Symptoms

NNHS.Q185: (Do you think) sudden trouble seeing in one or both eyes (is a symptom of a stroke)? (N = 2,271)

	Total	Male (N=794)	Female (N=1,477)
<b>Yes</b>	55.4% (51.2%, 59.5%)	52.9% (47.0%, 58.8%)	55.0% (49.9%, 60.0%)
<b>No</b>	19.7% (16.0%, 24.0%)	19.7% (15.7%, 24.6%)	19.1% (14.8%, 24.3%)
<b>Don't know/not sure</b>	24.9% (20.9%, 29.4%)	27.4% (21.2%, 34.6%)	25.9% (22.6%, 29.5%)

(Do you think) sudden trouble seeing in one or both eyes (is a symptom of a stroke), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	63.4%	53.0%	72.7%	319
<b>30-39</b>	53.9%	43.3%	64.3%	265
<b>40-49</b>	65.5%	55.3%	74.4%	326
<b>50-59</b>	46.4%	35.8%	57.3%	493
<b>60-69</b>	58.3%	47.7%	68.2%	445
<b>70-79</b>	30.0%	21.3%	40.3%	296
<b>80+</b>	12.8%	6.8%	22.9%	127

## Module: Heart Attack & Stroke Symptoms

(Do you think) sudden trouble seeing in one or both eyes (is a symptom of a stroke), by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
Chinle	51.2%	44.7%	57.8%	705
Eastern	54.7%	48.3%	60.9%	468
Ft. Defiance	48.3%	37.3%	59.5%	337
Northern	60.8%	53.3%	67.9%	515
Western	56.4%	48.6%	63.9%	246

NNHS.Q186: (Do you think) sudden chest pain or discomfort (are symptoms of a stroke)? (N = 2,272)

	Total	Male (N=795)	Female (N=1,477)
Yes	59.2% (54.9%, 63.3%)	57.4% (50.4%, 64.1%)	59.6% (53.3%, 65.6%)
No	22.6% (18.8%, 26.9%)	21.5% (17.1%, 26.6%)	21.7% (17.2%, 26.9%)
Don't know/not sure	18.3% (15.2%, 21.8%)	21.2% (16.0%, 27.4%)	18.8% (15.9%, 22.0%)

## Module: Heart Attack & Stroke Symptoms

(Do you think) sudden chest pain or discomfort (are symptoms of a stroke) by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<30	59.0%	48.4%	68.8%	320
30-39	66.4%	54.7%	76.4%	264
40-49	64.3%	52.0%	75.0%	325
50-59	56.8%	48.7%	64.6%	495
60-69	61.4%	50.1%	71.6%	444
70-79	43.2%	32.0%	55.1%	297
80+	18.1%	10.3%	29.8%	127

(Do you think) sudden chest pain or discomfort (are symptoms of a stroke) by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
Chinle	58.8%	51.9%	65.3%	702
Eastern	57.6%	51.9%	63.1%	467
Ft. Defiance	58.1%	47.2%	68.3%	341
Northern	63.6%	55.6%	71.0%	516
Western	56.0%	46.9%	64.7%	246

## Module: Heart Attack & Stroke Symptoms

NNHS.Q187: (Do you think) sudden trouble walking, dizziness, or loss of balance (are symptoms of a stroke)? (N = 2,257)

	Total	Male (N=785)	Female (N=1,472)
<b>Yes</b>	68.8% (63.6%, 73.7%)	64.7% (57.5%, 71.2%)	68.8% (63.5%, 73.6%)
<b>No</b>	13.6% (10.9%, 17.0%)	15.6% (12.2%, 19.7%)	12.3% (9.1%, 16.4%)
<b>Don't know/not sure</b>	17.5% (14.3%, 21.3%)	19.8% (14.9%, 25.8%)	19.0% (15.4%, 23.0%)

(Do you think) sudden trouble walking, dizziness, or loss of balance (are symptoms of a stroke), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<b>&lt;30</b>	81.7%	73.4%	87.8%	318
<b>30-39</b>	61.2%	48.1%	72.8%	263
<b>40-49</b>	77.9%	69.8%	84.3%	321
<b>50-59</b>	62.2%	49.8%	73.1%	492
<b>60-69</b>	71.6%	61.3%	80.0%	445
<b>70-79</b>	43.9%	32.3%	56.2%	291
<b>80+</b>	14.9%	8.4%	25.3%	127



## Module: Heart Attack & Stroke Symptoms

(Do you think) sudden trouble walking, dizziness, or loss of balance (are symptoms of a stroke), by Agency, Response of “Yes”

Agency	Point	Lower	Upper	N
Chinle	62.9%	54.1%	71.0%	701
Eastern	68.6%	62.0%	74.5%	467
Ft. Defiance	60.2%	47.8%	71.4%	335
Northern	67.1%	59.0%	74.3%	509
Western	75.7%	67.8%	82.1%	245

NNHS.Q188: (Do you think) severe headache with no known cause (is a symptom of a stroke)? (N = 2,267)

	Total	Male (N=789)	Female (N=1,478)
Yes	41.1% (36.1%, 46.2%)	33.7% (27.2%, 41.0%)	45.2% (39.9%, 50.6%)
No	32.4% (26.5%, 38.8%)	34.4% (27.5%, 42.1%)	29.7% (24.3%, 35.6%)
Don't know/not sure	26.6% (22.1%, 31.6%)	31.9% (25.8%, 38.7%)	25.1% (21.5%, 29.2%)

## Module: Heart Attack & Stroke Symptoms

(Do you think) severe headache with no known cause (is a symptom of a stroke), by Age Group, Response of "Yes"

	Point	Lower	Upper	N
<30	44.8%	32.2%	58.1%	320
30-39	29.4%	20.8%	39.8%	264
40-49	47.7%	36.4%	59.2%	323
50-59	40.2%	33.3%	47.6%	494
60-69	52.3%	41.6%	62.9%	445
70-79	32.3%	23.2%	43.0%	294
80+	9.1%	4.0%	19.2%	127

(Do you think) severe headache with no known cause (is a symptom of a stroke), by Agency, Response of "Yes"

Agency	Point	Lower	Upper	N
Chinle	41.3%	36.5%	46.2%	704
Eastern	47.7%	41.5%	53.9%	467
Ft. Defiance	41.5%	32.4%	51.2%	336
Northern	28.6%	21.1%	37.5%	516
Western	37.1%	26.7%	48.8%	244

## Module: Heart Attack & Stroke Symptoms

NNHS.Q189: If you thought someone was having a heart attack or a stroke, what is the first thing you would do? (N = 2,255)

Action	Total	Male (N=784)	Female (N=1,471)
Take them to the hospital	8.5% (6.6%, 10.9%)	8.2% (6.0%, 11.0%)	8.6% (5.6%, 13.1%)
Tell them to call their doctor	0.5% (0.2%, 1.2%)	0.8% (0.2%, 2.8%)	0.5% (0.2%, 1.4%)
Call 911	77.6% (74.5%, 80.5%)	76.8% (73.2%, 80.0%)	76.6% (71.8%, 80.8%)
Call their spouse or family member	1.6% (0.8%, 3.1%)	1.7% (0.8%, 3.6%)	1.8% (0.6%, 5.5%)
Do something else	6.4% (5.0%, 8.1%)	7.1% (5.1%, 9.8%)	5.7% (3.9%, 8.2%)
Don't know/Not sure	5.4% (3.6%, 8.1%)	5.5% (3.1%, 9.3%)	6.8% (4.9%, 9.5%)

If you thought someone was having a heart attack or a stroke, what is the first thing you would do, by Age Group, Response of "Call 9-1-1"

	Point	Lower	Upper	N
<30	82.7%	75.8%	88.0%	319
30-39	78.2%	66.3%	86.8%	260
40-49	81.1%	74.7%	86.2%	324
50-59	78.8%	70.3%	85.4%	487
60-69	70.1%	59.7%	78.8%	445
70-79	67.1%	57.0%	75.8%	295
80+	44.2%	27.2%	62.6%	125

Data Source: Report of the Navajo Behavioral Risk Factor Surveillance Survey, 2013, 2015, 2016.

All Result Responses – Heart Attack and Stroke Symptoms.

Navajo Epidemiology Center/Navajo Department of Health

# Module: Heart Attack & Stroke Symptoms

If you thought someone was having a heart attack or a stroke, what is the first thing you would do, by Agency, Response of “Call 9-1-1”

Agency	Point	Lower	Upper	N
Chinle	76.8%	71.7%	81.3%	701
Eastern	74.1%	68.2%	79.2%	466
Ft. Defiance	81.2%	73.3%	87.2%	331
Northern	71.1%	63.4%	77.8%	513
Western	75.8%	64.6%	84.3%	244

