Connecticut Trail Census

A statewide multi-use trail user study and volunteer data collection program

2017 Trail Use Data - Results

CT Greenways Council Meeting
February 13th, 2018

CT Trail Census

- Full year of data
- Data shows uses, not visitors
- Data is adjusted!
  - Manual count total / IR count total = Adjustment factor

Location	Manual Count	IR Count	Adjustment Factor
Air Line Trail Thompson	X	X	1.29
Air Line Trail East Hampton	46	34	1.35
CTFastrak Trail New Britain	69	26	2.65
Farmington Canal Heritage Trail Cheshire	X	X	1.29
Farmington Canal Heritage Trail Hamden	X	X	1.29
Farmington Canal Heritage Trail New Haven	X	X	1.29
Hop River Trail Bolton	371	157	2.36
Hop River Trail Vernon	302	187	1.61
Larkin State Bridle Trail Oxford	109	59	1.85
Middlebury Greenway	X	X	1.29
Naugatuck River Greenway Derby	550	299	1.84
Norwalk River Valley Trail Wilton	133	103	1.29
Sue Grossman Greenway Torrington	383	248	1.54
Shoreline Greenway Trail Madison	185	102	1.81
Still River Greenway Brookfield	279	180	1.55

Connecticut Trail Census

Actual Recorded Total:

1,281,051 uses

Estimated Total:

1,401,415 uses

Trails with highest use:

1) Naugatuck River Greenway
2) Still River Greenway
3) Hop River Trail (Vernon)

Location	Adjusted IR Count	Days With Data	Daily Average	Average X 365
Air Line Trail Thompson	4,401	365	12	4,401
Air Line Trail East Hampton	62,415	365	171	62,415
CTFastrak Trail New Britain	40,155	320	125	*45,802
Farmington Canal Heritage Trail Cheshire	64,831	365	178	64,831
Farmington Canal Heritage Trail Hamden	48,035	194	248	*90,372
Farmington Canal Heritage Trail New Haven	73,491	292	252	*91,864
Hop River Trail Bolton	60,943	365	167	60,945
Hop River Trail Vernon	133,016	365	364	133,016
Larkin State Bridle Trail Oxford	31,248	305	102	*37,395
Middlebury Greenway	47,202	311	152	*55,398
Naugatuck River Greenway Derby	303,550	365	832	303,550
Norwalk River Valley Trail Wilton	68,566	365	188	68,566
Sue Grossman Greenway Torrington	83,934	363	231	*84,396
Shoreline Greenway Trail Madison	90,604	329	275	*100,518
Still River Greenway Brookfield	168,660	311	542	*197,945
Total:	1,281,051			*1,401,415

Connecticut Trail Census

2017 IR Counter Data Report- Daily

Date	Day Of Week	Air Line Trail Thompson	Air Line Trail East Hampton	CTFastrak Trail New Britain	Farmington Canal Heritage Trail Cheshire	Farmington Canal Heritage Trail Hamden	Farmington Canal Heritage Trail New Haven	Hop River Trail Bolton	Hop River Trail Vernon	Larkin State Bridle Trail Oxford	Middlebury Greenway	Naugatuck River Greenway Derby	Norwalk River Valley Trail Wilton	Sue Grossman Greenway Torrington	Shoreline Greenway Trail Madison	Still River Greenway Brookfield	Low Temp (F)	High Temp (F)	Precipitation (in)	Snowfall (in)	Snow Depth (in)
14-Mar	Tue	0	7	5	4	X	22	0	2	0	1	13	5	9	7	3	20	30	1.5	16	16
15-Mar	Wed	0	57	13	0	X	48	0	27	0	0	33	18	2	13	0	15	28	0	0	12
16-Mar	Thu	0	18	56	3	X	102	19	18	61	1	787	4	19	29	0	19	35	0	0	12
17-Mar	Fri	0	28	109	3	X	209	0	27	41	0	1,437	14	42	149	0	20	43	0	0	11
18-Mar	Sat	0	83	64	14	X	92	45	58	48	1	813	37	45	178	14	15	42	0	0	9
19-Mar	Sun	0	70	98	19	X	186	83	65	72	8	1,641	80	49	303	82	29	41	0	0	7
20-Mar	Mon	0	60	146	19	X	227	43	102	44	9	1,869	32	185	268	48	27	54	0	0	6
21-Mar	Tue	1	60	167	48	X	657	54	47	17	5	1,828	83	340	236	180	33	54	0	0	4
22-Mar	Wed	5	24	72	21	X	196	9	24	22	1	366	43	134	56	53	19	38	0	0	3
23-Mar	Thu	0	20	127	14	X	359	31	40	37	0	774	49	236	132	150	14	38	0	0	2
24-Mar	Fri	0	20	141	32	X	473	5	34	31	5	441	87	151	120	158	23	45	0	0	1
25-Mar	Sat	3	101	90	112	X	252	97	144	30	21	712	178	202	363	660	31	44	0.1	0	1
26-Mar	Sun	4	65	77	118	X	272	83	97	94	15	532	134	130	267	271	28	41	0	0	0

CT Trail Census 2017 Adjusted Monthly Summary

Count Totals

Impacted by Missing Data

Month	Air Line Trail Thompson	Air Line Trail East Hampton	CTFastrak Trail New Britain	Farmington Canal Heritage Trail Cheshire	Farmington Canal Heritage Trail Hamden	Farmington Canal Heritage Trail New Haven	Hop River Trail Bolton	Hop River Trail Vernon	Larkin State Bridle Trail Oxford	Middlebury Greenway	Naugatuck River Greenway Derby	Norwalk River Valley Trail Wilton	Sue Grossman Greenway Torrington	Shoreline Greenway Trail Madison	Still River Greenway Brookfield	All Trails
January	258	3,506	3,544	2,660	0	4,403	2,446	5,302	2,204	0	16,207	5,447	5,212	6,421	0	57,610
February	146	3,096	3,346	2,168	0	5,430	2,046	3,738	1,630	918	23,619	6,450	4,228	4,794	3,330	64,939
March	90	1,990	2,926	1,807	0	7,733	1,673	3,158	1,522	1,265	20,895	5,243	2,779	4,518	5,211	60,810
April	407	8,042	4,185	6,130	0	13,381	5,657	14,867	3,070	5,464	39,285	12,274	5,863	10,182	19,764	148,571
May	248	7,363	4,648	5,635	0	9,660	6,011	14,044	3,243	5,551	34,442	9,640	6,897	11,126	18,469	136,977
June	281	8,100	1,202	6,217	2,891	1,222	5,124	15,048	3,632	6,158	32,559	8,708	6,415	7,918	19,650	125,125
July	1,071	7,962	223	6,995	13,522	0	7,941	17,079	3,903	6,243	28,625	6,621	5,921	1,303	20,742	128,151
August	465	6,846	4,333	9,224	11,983	5,318	9,712	18,648	3,940	6,779	29,445	8,052	6,171	12,296	24,121	157,333
September	431	6,865	4,424	8,501	8,600	8,911	9,147	16,445	3,945	6,165	24,590	8,777	8,064	12,037	21,537	148,439
October	727	6,141	4,290	7,915	5,529	4,919	5,330	13,277	4,137	4,774	22,421	7,649	7,457	10,563	20,273	125,402
November	209	422	3,809	5,570	3,642	6,842	4,193	8,041	22	2,814	20,267	2,767	6,055	6,487	11,243	82,383
December	68	2,082	3,225	2,009	1,868	5,672	1,663	3,369	0	1,071	11,195	2,306	3,504	2,959	4,320	45,311
Totals:	4,401	62,415	40,155	64,831	48,035	73,491	60,943	133,016	31,248	47,202	303,550	83,934	68,566	90,604	168,660	1,281,051

Percent of Total Annual Count

Month	Air Line Trail Thompson	Air Line Trail East Hampton	CTFastrak Trail New Britain	Farmington Canal Heritage Trail Cheshire	Farmington Canal Heritage Trail Hamden	Farmington Canal Heritage Trail New Haven	Hop River Trail Bolton	Hop River Trail Vernon	Larkin State Bridle Trail Oxford	Middlebury Greenway	Naugatuck River Greenway Derby	Norwalk River Valley Trail Wilton	Sue Grossman Greenway Torrington	Shoreline Greenway Trail Madison	Still River Greenway Brookfield	All Trails
January	6%	6%	9%	4%	0%	6%	4%	4%	7%	0%	5%	6%	8%	7%	0%	4%
February	3%	5%	8%	3%	0%	7%	3%	3%	5%	2%	8%	8%	6%	5%	2%	5%
March	2%	3%	7%	3%	0%	11%	3%	2%	5%	3%	7%	6%	4%	5%	3%	5%
April	9%	13%	10%	9%	0%	18%	9%	11%	10%	12%	13%	15%	9%	11%	12%	12%
May	6%	12%	12%	9%	0%	13%	10%	11%	10%	12%	11%	11%	10%	12%	11%	11%
June	6%	13%	3%	10%	6%	2%	8%	11%	12%	13%	11%	10%	9%	9%	12%	10%
July	24%	13%	1%	11%	28%	0%	13%	13%	12%	13%	9%	8%	9%	1%	12%	10%
August	11%	11%	11%	14%	25%	7%	16%	14%	13%	14%	10%	10%	9%	14%	14%	12%
September	10%	11%	11%	13%	18%	12%	15%	12%	13%	13%	8%	10%	12%	13%	13%	12%
October	17%	10%	11%	12%	12%	7%	9%	10%	13%	10%	7%	9%	11%	12%	12%	10%
November	5%	1%	9%	9%	8%	9%	7%	6%	0%	6%	7%	3%	9%	7%	7%	6%
December	2%	3%	8%	3%	4%	8%	3%	3%	0%	2%	4%	3%	5%	3%	3%	4%

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Percent of Average Weekly

| Day of Week	Air Line Trail Thompson	Air Line Trail East Hampton	CTFastrak Trail New Britain	Farmington Canal Heritage Trail Cheshire	Farmington Canal Heritage Trail Hamden	Farmington Canal Heritage Trail New Haven	Hop River Trail Bolton	Hop River Trail Vernon	Larkin State Bridle Trail Oxford	Middlebury Greenway	Naugatuck River Greenway Derby	Norwalk River Valley Trail Wilton	Sue Grossman Greenway Torrington	Shoreline Greenway Trail Madison	Still River Greenway Brookfield	All Trails
Sun	24%	25%	11%	24%	23%	14%	26%	22%	25%	19%	18%	20%	15%	26%	21%	20%
Mon	18%	12%	14%	11%	12%	14%	11%	13%	11%	14%	14%	13%	15%	12%	13%	13%
Tue	8%	11%	15%	11%	12%	14%	10%	11%	10%	13%	13%	12%	14%	9%	13%	12%
Wed	13%	11%	15%	12%	12%	15%	10%	13%	11%	14%	15%	13%	15%	12%	14%	13%
Thu	12%	12%	14%	12%	11%	14%	10%	12%	11%	13%	13%	13%	14%	11%	13%	13%
Fri	11%	10%	17%	11%	10%	15%	10%	11%	11%	12%	12%	13%	12%	11%	12%	12%
Sat	14%	19%	14%	18%	20%	15%	22%	19%	22%	15%	15%	17%	15%	18%	16%	17%

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2017 IR Counter Data Report- Hour of Day

Percent of Daily Average

Hour	Air Line Trail Thompson	Air Line Trail East Hampton	CTFastrak Trail New Britain	Farmington Canal Heritage Trail Cheshire	Farmington Canal Heritage Trail Hamden	Farmington Canal Heritage Trail New Haven	Hop River Trail Bolton	Hop River Trail Vernon	Larkin State Bridle Trail Oxford	Middlebury Greenway	Naugatuck River Greenway Derby	Norwalk River Valley Trail Wilton	Sue Grossman Greenway Torrington	Shoreline Greenway Trail Madison	Still River Greenway Brookfield	All Trails
00:00	0.1%	0.0%	1.1%	0.0%	0.2%	0.7%	0.1%	0.0%	0.1%	0.0%	0.2%	0.0%	0.1%	0.0%	0.0%	0.2%
01:00	0.1%	0.0%	0.7%	0.0%	0.1%	0.4%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.1%
02:00	0.1%	0.0%	0.3%	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.0%	0.0%	0.1%
03:00	0.1%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
04:00	0.2%	0.0%	0.4%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%
05:00	0.1%	0.1%	1.5%	0.1%	0.4%	0.3%	0.7%	0.3%	0.2%	0.4%	0.7%	0.2%	1.0%	0.3%	0.3%	0.5%
06:00	0.3%	0.9%	3.8%	0.8%	1.4%	1.1%	1.2%	1.4%	1.6%	3.9%	2.0%	1.1%	2.4%	1.2%	1.2%	1.6%
07:00	1.0%	2.5%	5.4%	2.8%	3.7%	3.4%	2.6%	3.2%	6.7%	5.8%	3.6%	3.0%	3.5%	2.5%	2.9%	3.4%
08:00	3.8%	5.2%	5.2%	5.5%	6.2%	5.7%	5.2%	5.9%	6.6%	7.5%	5.9%	6.6%	5.8%	4.0%	5.1%	5.7%
09:00	4.1%	7.8%	4.1%	9.2%	8.3%	5.8%	6.4%	9.1%	7.4%	10.0%	8.7%	9.6%	8.5%	6.8%	7.2%	7.9%
10:00	7.2%	8.9%	4.6%	11.2%	9.3%	5.6%	8.1%	10.1%	8.9%	10.0%	9.5%	10.8%	9.3%	9.8%	8.2%	9.0%
11:00	7.2%	9.8%	4.9%	11.0%	9.2%	6.4%	9.6%	9.3%	10.0%	8.6%	9.0%	10.1%	9.2%	11.7%	8.6%	9.1%
12:00	17.6%	9.2%	5.6%	9.7%	9.0%	6.6%	8.9%	8.0%	8.4%	7.2%	8.3%	10.0%	8.9%	10.2%	7.7%	8.4%
13:00	18.0%	8.5%	5.7%	8.0%	8.2%	6.6%	8.7%	7.8%	7.7%	6.4%	7.9%	8.9%	7.5%	9.7%	8.1%	8.0%
14:00	10.8%	9.0%	6.3%	7.8%	8.2%	7.6%	8.8%	7.8%	7.4%	6.3%	7.2%	8.1%	6.8%	9.8%	8.0%	7.8%
15:00	8.1%	9.0%	8.4%	7.8%	7.8%	8.7%	9.4%	8.0%	8.6%	6.0%	7.4%	8.5%	7.4%	10.0%	8.2%	8.1%
16:00	10.4%	9.1%	9.2%	7.8%	8.3%	9.8%	8.9%	8.3%	8.1%	6.6%	7.6%	8.8%	7.7%	9.2%	9.3%	8.4%
17:00	5.0%	8.9%	9.8%	7.9%	7.7%	10.3%	8.5%	8.9%	7.5%	7.4%	7.2%	7.5%	8.5%	7.8%	9.3%	8.3%
18:00	3.3%	6.6%	7.2%	5.9%	6.5%	8.0%	7.3%	7.0%	6.3%	7.3%	6.7%	4.5%	7.3%	4.6%	8.6%	6.8%
19:00	1.4%	3.2%	4.6%	3.4%	3.7%	5.2%	4.0%	3.7%	3.0%	4.6%	4.5%	1.9%	3.9%	1.7%	5.5%	4.0%
20:00	0.4%	0.9%	3.4%	0.9%	1.3%	2.9%	0.9%	0.9%	1.0%	1.4%	2.1%	0.4%	1.2%	0.4%	1.8%	1.5%
21:00	0.2%	0.1%	2.9%	0.1%	0.3%	1.9%	0.3%	0.1%	0.2%	0.3%	0.7%	0.1%	0.2%	0.1%	0.1%	0.5%
22:00	0.1%	0.1%	2.7%	0.0%	0.1%	1.3%	0.2%	0.1%	0.1%	0.1%	0.3%	0.0%	0.1%	0.1%	0.0%	0.3%
23:00	0.1%	0.0%	1.7%	0.0%	0.1%	1.0%	0.1%	0.0%	0.2%	0.1%	0.2%	0.0%	0.1%	0.0%	0.0%	0.2%

Connecticut Trail Census

Interactive Data Portal Website Launch

View Updates to Our Website!
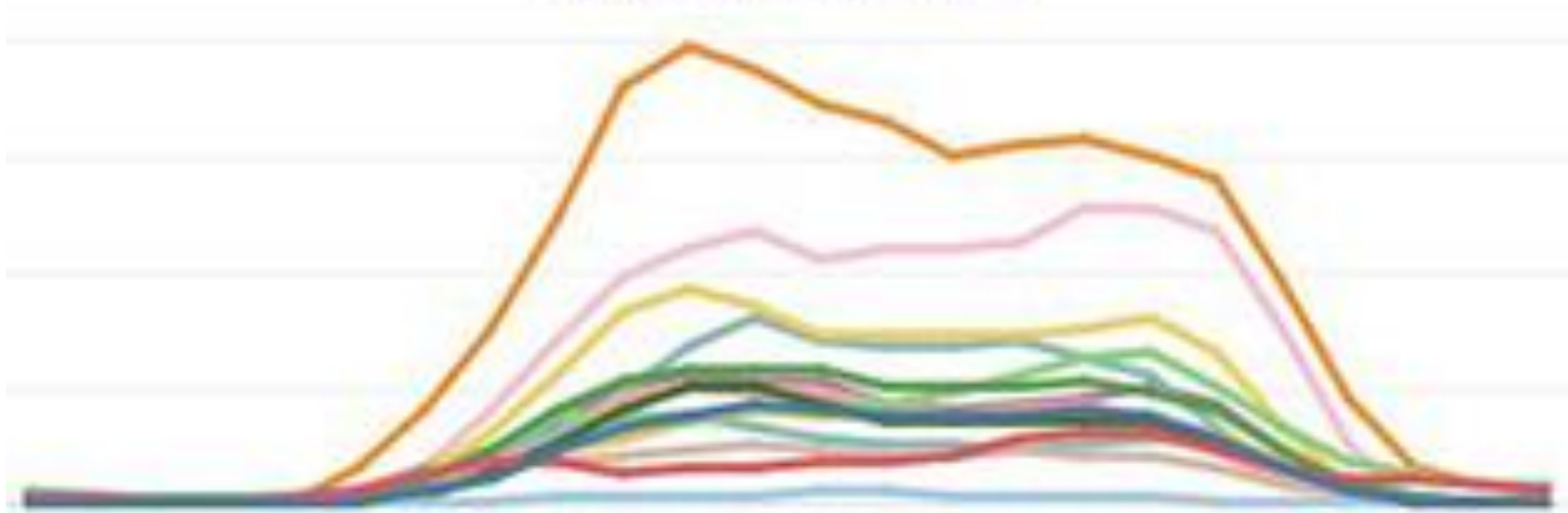
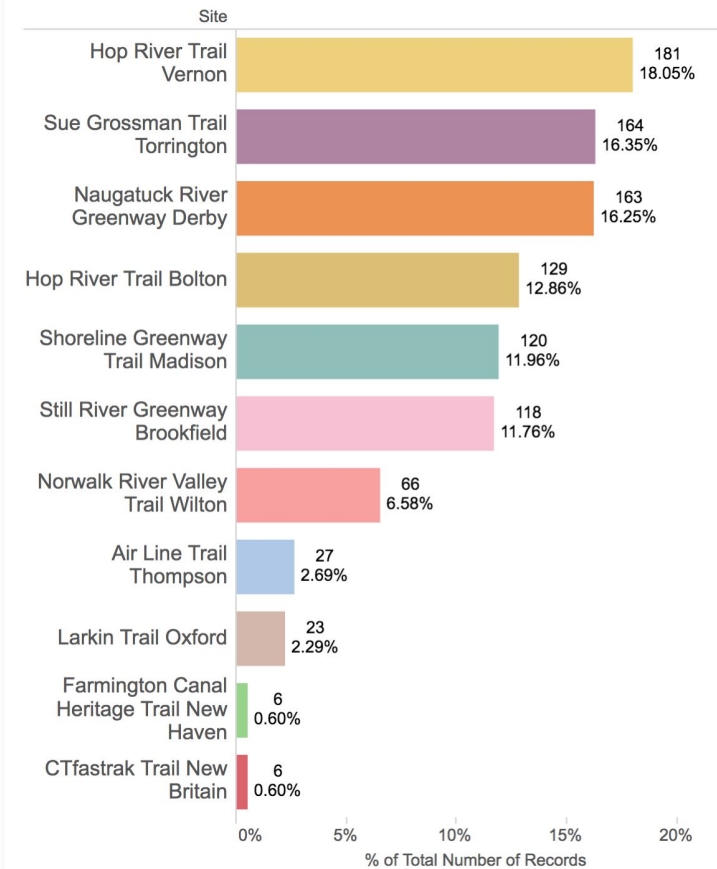## Survey Data Results

Total of **1,003** surveys conducted by volunteers from **11** participating trails.
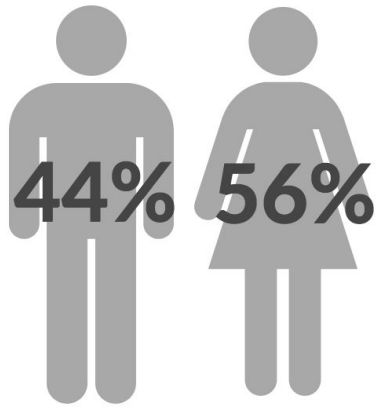

Percent of Surveys Received by Location
May - September 2017
n = 1,003

Site	% of Total Number of Records
Hop River Trail Vernon	181 — 18.05%
Sue Grossman Trail Torrington	164 — 16.35%
Naugatuck River Greenway Derby	163 — 16.25%
Hop River Trail Bolton	129 — 12.86%
Shoreline Greenway Trail Madison	120 — 11.96%
Still River Greenway Brookfield	118 — 11.76%
Norwalk River Valley Trail Wilton	66 — 6.58%
Air Line Trail Thompson	27 — 2.69%
Larkin Trail Oxford	23 — 2.29%
Farmington Canal Heritage Trail New Haven	6 — 0.60%
CTfastrak Trail New Britain	6 — 0.60%

Connecticut Trail Census

44% 56%

Of the **825** respondents:

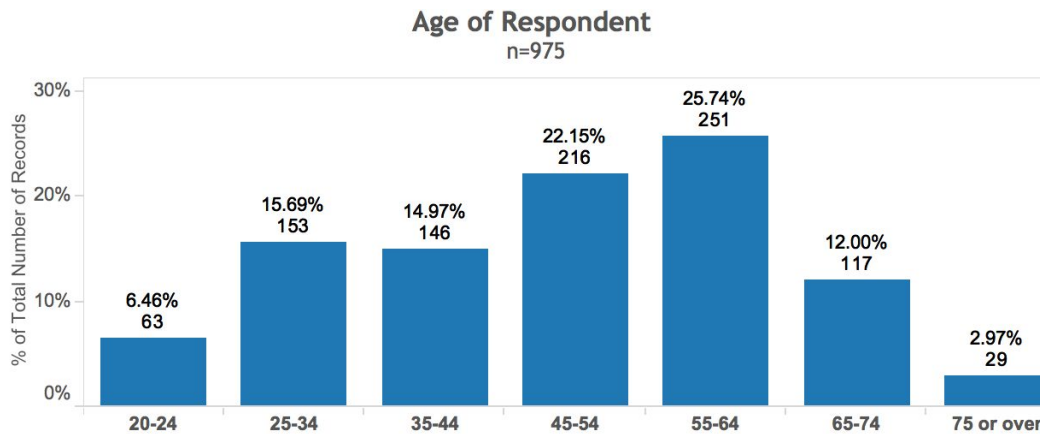**43.5%** were male and

56.4% were female

CT statewide gender statistics:

48.8% male,

51.2% female

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Survey Data Results - Demographics

Age of Respondent
n=975

Of the **975** respondents:

62.9% over age 45

37% between ages 20-45.

CT statewide age statistics:

43.4% over age 45

46.4% between ages 20-45

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Survey Data Results - Transportation

Of the **983** respondents:

48.5% travelled alone, but

30.5% carpooled!

Respondent Home Zip Codes

Massachusetts

Rhode Island

Connec

% of Total Number of Records

0.100% ▮▮▮ 9.771%
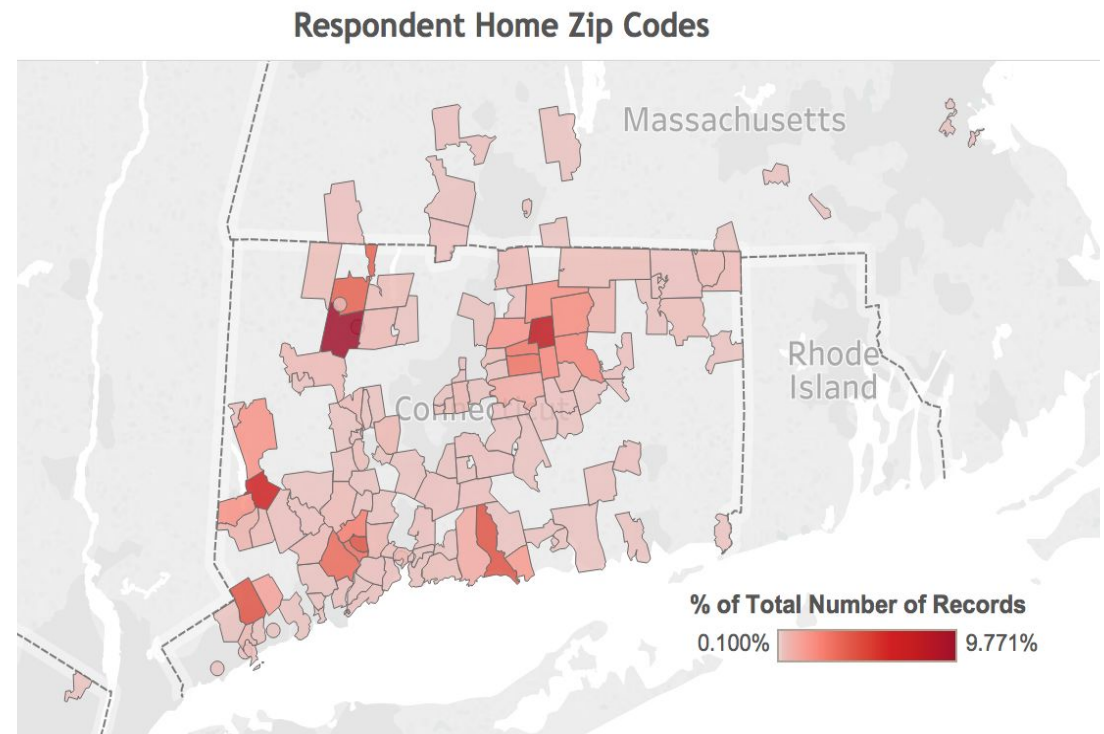
Respondents travelled from

165 unique zip codes including

some from **neighboring states!**

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Primary Activity:

Of the **973** respondents:

68.7% were walking,

16.1% were bicycling,

14% were running, and

0.06% were riding horses.

Reason for Visit:

Of the **999** respondents:

89.5% for exercise,

40.9% for relaxing,

39.3% for recreation, and

18.6% for walking dogs

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Survey data shows frequent trail use!

Of the **983** respondents:

73.3% use trails at least once a week, and **38.7%** use trails even more frequently.

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Survey Data Results - Spending

Of the **617** respondents:

61.5% reported annual trail related spending with an average of **$277** per year.

Such as: running shoes, bicycle purchases/maintenance, or cross country skis.

Of the **212** respondents:

21% reported spending money on current visit to the trail with an average of **$5.64**.

Such as: gas to get to the trail, restaurant visits along the trail, or snack purchases after a hike.

Connecticut Trail Census

Qualitative Data - Favorite Thing About Trail

Qualitative Data - Improvements to Trail

Connecticut Trail Census

CTTC Program - Next Steps

- Community specific analyses
- Survey Data to be presented online
  - Interactive "StoryMap"
- Developing/improving the survey tool
- Publicizing and presenting data

- Webinar: Guided Tour of CTTC Counter & Survey Data
  - April 3 @ 11:30am
- Exploring further funding options
  - Currently funded until the summer