



# CATTARAUGUS COUNTY BOARD OF HEALTH

1 Leo Moss Drive, Olean, NY 14760, Tel. (716)373-8050, Fax (716) 701-3737



**Public Health**  
Prevent. Promote. Protect.  
Cattaraugus County  
Health Department  
Established 1923

*Joseph Bohan, MD, President*

*Giles Hamlin, MD, Vice-President*

*Zahid Chohan, MD*

*Sondra Fox, RN*

*Richard Haberer*

*Theresa Raftis*

*David L. Smith, Mayor*

*James Snyder, Legislator*

*Kathryn Cooney Thrush, NP, MSN*

MINUTES  
April 4, 2018

The 864<sup>th</sup> meeting of the Cattaraugus County Board of Health was held at The Point Restaurant, 800 East State Street, Olean, New York on April 4, 2018.

The following members were present:

Dr. Joseph Bohan

Richard Haberer

Dr. Zahid Chohan

Theresa Raftis

Dr. Giles Hamlin

Jim Snyder Sr., Legislator Chairman

Also present were:

Kevin D. Watkins, MD, MPH, Public Health Director

Eric Firkel, County Attorney

Dr. Gil Witte, Medical Director

Dr. Paul Schwach, Clinical Physician

Rick Miller, Olean Times Herald

Raymond Jordan, Sr. Public Health Sanitarian

Debra Lacher, Secretary to Public Health Director

Colette Lulay-Pound, Administrative Officer

Lynne Moore, Director of Nursing

Dave Porter, Hearing Officer

Eric Wohlers, Environmental Health Director

The meeting was called to order by Dr. Bohan. The roll was called and a quorum declared. Mr. Haberer made a motion to approve the minutes of the Board of Health (BOH) meeting held on March 7, 2018, it was seconded by Dr. Hamlin and the motion was unanimously approved.

Dr. Bohan spoke about the passing of Joseph Eade, a long time Board member and friend to all. Mr. Eade passed away at the age of 94. He served on the Board in different capacities for 21 years, rarely missing a meeting, always had something to say about important issues, always a gentleman, willing to learn about healthcare matters and listen to the other side. As a politician for more than 40 years, he knew what actions would fly and what the Board needed to do to make certain actions fly. He resigned from the Board after a fall, which required him to move to a nursing home. He had a wonderful life and he enjoyed every minute of it. Dr. Bohan suggested a motion might be made to dedicate this Board of Health meeting in Joe Eade's honor. Legislator Snyder, Sr. made a motion to dedicate the Board meeting in honor of Mr. Joseph Eade, it was seconded by Mr. Haberer and the motion was unanimously approved.

Legislator Snyder, Sr. shared he served almost 40 years with Mr. Eade and he never had a bad word to say about anyone. Even when the two didn't agree, he was always respectful, he stated that Joe was a good guy and he will be missed.

Dr. Bohan asked for a motion to approve the January 17, 2018 Professional Advisory minutes that were mailed to the Board for review. Dr. Chohan made a motion to accept the minutes as presented, the motion was seconded by Dr. Witte, and approved unanimously.

**DIRECTORS REPORT:** Dr. Watkins extended his condolences to the Eade family. He stated that he only worked with Mr. Eade for three years, but he was an excellent and dedicated Board member, who will forever be in our memories.

Dr. Watkins announced that he had four action items that needed Board approval. He stated that the three environmental health policies were mailed out with the April agenda packet and will need to be approved individually. The first Policy for approval was the Food Service Policy 1- Titled Assignment of Risk Categories for Food Service Establishments. The purpose of this policy is to standardize objective methods for the assignment of Risk Categories for food service operations. This policy will ensure fairness when determining permit fees and to facilitate enforceable "Food Protection Manager Training". A motion to accept the policy was made by Legislator Snyder, Sr., seconded by Mr. Haberer, and unanimously approved.

The second policy for approval was the Onsite Waste Water Treatment System Policy 01- Titled Use of Previously Abandoned Onsite Waste Water Treatment System. The purpose of this policy is to establish standardized criteria under which the use of previously abandoned Onsite Waste Water Treatment Systems may be allowed for new residential construction in Cattaraugus County.

Dr. Bohan questioned the definition of abandoned, he asked if someone lists their home for sale and moves prior to the sale is that an abandoned site. Mr. Wohlers replied that abandoned would be where a house burnt down and the property hasn't been used in a while, or the site served an older mobile home that has been removed. Mr. Haberer stated that he read the policy, and the policy states "any onsite wastewater treatment system, which has been disconnected from a dwelling and unmaintained for a period greater than one year, shall be considered abandoned", and he interprets that definition of the policy to mean if one year passed, then the property would be declared abandoned, and many houses, on the market, can sit for at least a year. Mr. Jordan expounded that a usable building would not be considered abandoned, only a bare lot or an unusable structure. Mr. Haberer stated that if that is the case, he would make the motion to approve the policy as written, the motion was seconded by Dr. Hamlin, and unanimously approved.

The final policy for approval was the Onsite Waste Water Treatment System Policy 02- Titled Minimum Lot Size Requirements for Onsite Waste Water Treatment System Permits. The purpose of this policy is to establish minimum lot size restrictions for the construction of Onsite Waste Water Treatment Systems in the permitting process. A motion was made by Legislator Snyder, Sr. to approve the policy as written, the motion was seconded by Dr. Chohan, and unanimously approved.

Dr. Watkins reported that on May 21-24, the regional office of New York State Department of Health will be doing an onsite consolidated review of the Health Department. At that time they will review almost every program that fall under the umbrella of the Health Department.



One of the requirements is that every two years, the Board is required to approve the credentialing and privileges for those who are practicing within the department. He stated that there are currently four practitioners at this time whom the department would like the Board to renew their credentials and grant them privileges to practice under their job description within the Health Department. Those practitioners are Dr. Gilbert Witte, Medical Director, Dr. Roger Klein, Family Planning Medical Director, Dr. Paul Schwach, Clinic Physician, and Kerry Perese, Nurse Practitioner. He informed the Board that he prepared for Dr. Bohan's review, a credentialing packet that includes the current licensure, curriculum vitae, professional misconduct enforcement disciplinary review, Medicare/Medicaid exclusion review, and a copy of the registration for the (3) physicians and the nurse practitioner.

Dr. Watkins stated he verified that the (4) medical personnel all meet the requirements for privileges, and asked Dr. Bohan to entertain a motion to renew the credentialing certification and give privileges of these four medical providers to work within the department. Legislator Snyder, Sr. made a motion to approve this request, the motion was seconded by Dr. Chohan, and unanimously approved.

Dr. Watkins remarked that a person's health is a product of their environment and as such, he stated that a healthy community is one in which all residents have access to a quality education, safe and healthy homes, adequate employment, transportation, physical activity, good nutrition, and quality healthcare; these are all social determinants of one's health. He went on to say that based on the 2018 county health rankings, Cattaraugus County is one of the five unhealthiest Counties in New York State (NYS). The biggest contributing factor for this unhealthy ranking status is found in the health outcome of the report which makes up 1/3 of the overall ranking. Health outcomes are based on mortality (length of life), and morbidity (quality of life). This year's analysis reveals that the County has actually worsened in the area of mortality, when it comes to years of potential life lost (YPLL). Handouts were provided to those in attendance. Reviewing the first handout was a comparison between New York State and Cattaraugus County for 2017 and 2018. Although the report came out in 2018 the information being reviewed are for the years evaluated from 2014-2016. Cattaraugus County remains ranked 60 out of 62 counties in NYS for health outcomes. He stated that life expectancy is age 75. If a person dies before age 75 then that person add to the YPLL. Therefore if a person dies at age 60, that person adds 15 YPLL lost to their community. This includes both social and economic earning power, loss to their community. Dr. Watkins proceeded to review the section under mortality for Cattaraugus County, the YPLL (premature death or years of death before age 75) continues to be worse than that of NYS. Cattaraugus County YPLL from 2017 to 2018 increased by 400. In 2018, under the premature deaths parameter, the YPLL is 7,300 and in 2017 the YPLL (premature deaths) was 6,900. Comparing that with NYS premature deaths in 2018, the overall YPLL for NYS is 5,300, there is a difference of 2,000 YPLL between NYS and Cattaraugus County during this evaluation period.

An additional handout lists the five most common causes of premature deaths in Cattaraugus County which includes cancer, heart disease, chronic lower respiratory disease, unintentional injuries, and suicide. Dr. Watkins stated that a common denominator for the first three leading causes of premature death was the use of tobacco. He stated that premature deaths are preventable and changing the behavior of the community can help improve the YPLL of a community. Dr. Witte added that if you look at the report; the adults smoking rate in NYS is 14% while Cattaraugus County is close to double that with 23%.

In addition, Dr. Witte shared that there is a vaping epidemic in middle schools, and high schools, with increasing evidence that this is a gateway to traditional tobacco.

The second part of Health Outcomes includes Quality of Life (Morbidity): the overall quality of life ranking in 2018 was unchanged when compared to 2017, the ranking remained at 60. Dr. Watkins compared the four quality of life parameters (Poor or fair health, Poor physical health days, Poor mental health days and low birth weight) that are identified on the 2018 and 2017 county health rankings.

Dr. Watkins went on to compare 2018 and 2017 county health rankings for several other parameters including Health Factors which comprised, Health Behaviors, Clinical Care, Social and Economic Factor and Physical Environments, each of which had their various parameters and for the brevity of this report is included on the attached handouts.

Dr. Watkins explained that where a person lives, will also determine how long a person will live; in a separate handout of sub-county data, zip codes are listed showing premature deaths in total YPLL to a community. He stated that in Cattaraugus County, Hinsdale, Salamanca, Machias, Limestone, and Little Valley are areas with really high YPLL totals and areas where resources should be directed to reduce the number of premature deaths in these communities.

Another handout compared Cattaraugus County 2018 health rankings amongst the other seven Western NY Counties, Allegany, Chautauqua, Erie, Genesee, Niagara, Orleans, and Wyoming. Looking at the health outcomes, Cattaraugus ranks 60 out of 62 but other Western NY counties have fared poorly in the health outcomes rankings as well, including Erie at 57, Chautauqua 58, and Niagara 59. Premature deaths in YPLL in these counties are all high, when comparing to NYS YPLL.

Dr. Watkins compared the health factors of the eight Western NY Counties and pointed out that under the health behavior parameter, adult smoking rates, shows Cattaraugus 23%, Chautauqua 24%, Niagara, Orleans, and Wyoming Counties were all at 22%, but NYS adult smoking rate was only 14%. That means Western NY has a significantly higher rate of adult smokers than NYS and the underlying reason besides the socioeconomic factor is the low cost of tobacco products on the Seneca Nation of Indians reservations.

The last handout compared the health outcome of Cattaraugus County against the health outcomes of the top six ranked counties (Rockland, Saratoga, Westchester, Nassau, Putnam, and Yates) of NYS. Other areas in this handout that stood out as a significant difference besides premature deaths, included adults smoking, unemployment and primary care physician ratio.

The county health rankings is a reflection of the large amount of work that has to be done and the vast amount of resources needed for the County. Sub-county data will help guide the department to where to concentrate any resources received for social determinant of health. Policy changes like tobacco 21 local law, continue to be an evidence based method to improve social behaviors that affect health. Healthy eating, healthy vending machine, and complete street polices are a work in progress and continued work with the consortium will hopefully lead to some ideas on how to tackle these poor social determinants of health on a county level.

The department is working with our local hospital and other medical providers to increase our screening rates for diabetes, colorectal, breast and cervical cancer.

Dr. Bohan stated that the report is discouraging even with the many efforts that are being made to try to improve the health of the county residents, but if people continue to smoke, obesity rate continues to increase, inability to attract primary care physicians, unemployment rate higher than that of NYS and the type of jobs available in the area is slow to change shape, it may be a long time before we will see improvement in these rankings. Dr. Bohan asked if the Seneca Nation was included in the statistical information. Dr. Watkins confirmed that they were, and that they are also a part of the consortium. Legislator Snyder Sr. asked if we should focus more on an initiative against alcohol. Dr. Watkins replied that alcohol plays a significant part in our county health rankings, specifically behavior factors (excessive drinking and motor vehicle accidents). He stated that this discussion should be brought to the table more often. Dr. Chohan agreed that alcohol is associated with a lot of poor health consequences (cirrhosis, pancreatitis, encephalopathy, and many others). Dr. Bohan summed up the comments with the statement that so many of the factors that are affecting our county health rankings are personal choices, so we need to influence people to make the right choices.

**NURSING DIVISION REPORT:** Mrs. Moore reported the homecare census is currently (315) patients with (111) patients admitted in February, (132) patients admitted in March. Numerous referrals are coming in every day, and we are continuing our marketing campaign reaching out to providers. The Medicaid Obstetrical and Maternal Services (MOMS) program has (9) patients. The lead program is currently following (36) children with elevated blood lead levels. In March there was lead testing completed at three WIC clinics including Franklinville, Salamanca, and Olean. Lead testing will also be done at Healthy Kids Day at the YMCA on April 21<sup>st</sup> and in Salamanca at the Child Abuse awareness day on April 25<sup>th</sup>.

Communicable disease program had (26) cases of Chlamydia in March, (2) cases of Gonorrhea with (1) case having both Chlamydia and Gonorrhea, (1) Lyme test was conducted and results are pending, (1) case of Hepatitis B, (1) case of Giardia (contact was attempted several times, with no return response), (8) Hepatitis C tests were conducted that were all non-reactive. (12) HIV tests were conducted with no positives.

**ENVIRONMENTAL HEALTH DIVISION REPORT:** Mr. Wohlers wondered if the county health rankings, specifically the leading cause of premature death due to lung cancer, took into consideration the high radon incidence in Cattaraugus County. Dr. Chohan asked if there was a particular kind of lung cancer that was associated with radon exposure. Dr. Witte confirmed that yes it is specifically linked to lung cancer with (15,000 – 22,000 cases a year in United States, which makes it number two to tobacco which is more than 160,000 cases a year). Most radon-related lung cancers develop in smokers. However, radon is also thought to cause a significant number of lung cancer deaths among non-smokers in the United States each year. Some studies have suggested that residential radon exposure may be linked more frequently to small cell lung cancer followed by squamous and adenocarcinoma, other types of cancer include childhood leukemia. Mr. Haberer asked if the veterans who use the Olean VA clinic but travel in from another county are skewing are statistics for health rankings. Dr. Watkins replied that the statistics of premature deaths are strictly Cattaraugus County residents.



Mr. Wohlers reported that he attended the environmental health summit last week in Albany. The focus was the toxins from the harmful algae blooms. Representatives from every local Health Department, New York State Department of Health and the Department of Environmental Conservation (DEC) expert in NYS were there for the conference.

The experts believe that the increased phosphorus loading from zebra mussels, and the climate change greatly contributes to the toxin from algae bloom which is getting into our lakes. The State had developed educational materials that are available for the public. The toxins are now starting to show up in drinking waters, however all of our municipal water systems fortunately rely on ground water wells so they are not susceptible, with the only exception being the City of Olean which has the intake of the city creek. Traditionally the algae is found more in lakes, and not moving bodies of water.

Mr. Wohlers shared that the Seneca Nation of Indians held two meetings to mount opposition against the industrial wastewater plant proposal in Coudersport, Pa. The plant in Coudersport is proposing to take the fracking waste water from others and treat it and then discharge hundreds of thousands of gallons of fracking wastewater into the Allegheny River.

The County has executed the contract with NYS Facilities Corporation to participate in the new NYS septic system replacement fund program, and according to the contract its effective March 1<sup>st</sup> of this year and will not expire until December 31, 2022. Funding for this program can only be used in priority geographical areas which are defined by the DEC. Once clarification has been received, the department will provide public notification to those that would be eligible.


The mosquito surveillance program is scheduled to begin the last week of April, and Duflo won the bid for larvicide spraying.

Recently, Mr. Wohlers met with the City of Olean, Salamanca Board of Public Utilities, Great Valley, Portville, and Yorkshire officials who are all working with consultants on proposals for grant applications for water and sewer projects.

There were no new enforcements to report this month.

There being no further business to discuss, a motion to adjourn was made by Ms. Raftis, and seconded, by Mr. Haberer, and unanimously approved.

Respectfully submitted,

  
Kevin D. Watkins, M.D., M.P.H.  
Secretary to the Board of Health

**County Health Rankings & Roadmaps**  
 Building a Culture of Health, County by County

how to compare multiple counties

Search

	New York	Cattaraugus (CA), NY X
Health Outcomes		60
Length of Life		54
Premature death	5,300	6,900
Quality of Life		60
Poor or fair health	16%	15%
Poor physical health days	3.8	4.1
Poor mental health days	3.7	4.1
Low birthweight	8%	8%
Health Factors		56
Health Behaviors		55
Adult smoking	15%	18%
Adult obesity**	25%	28%
Food environment index**	8.0	8.0
Physical inactivity**	24%	26%
Access to exercise opportunities	91%	63%
Excessive drinking	18%	19%
Alcohol-impaired driving deaths	23%	30%
Sexually transmitted infections**	502.8	253.5
Teen births	21	33
Clinical Care		53
Uninsured	10%	9%

	New York	Cattaraugus (CA), NY X
Primary care physicians	1,200:1	2,020:1
Dentists	1,270:1	2,440:1
Mental health providers	420:1	1,030:1
Preventable hospital stays	48	53
Diabetes monitoring	86%	85%
Mammography screening	62%	55%
Social & Economic Factors	50	50
High school graduation**	79%	84%
Some college	67%	55%
Unemployment	5.3%	6.2%
Children in poverty	22%	26%
Income inequality	5.7	4.3
Children in single-parent households	35%	35%
Social associations	7.9	14.5
Violent crime**	394	181
Injury deaths	44	59
Physical Environment		46
Air pollution - particulate matter	8.6	9.0
Drinking water violations		Yes
Severe housing problems	24%	15%
Driving alone to work	53%	81%
Long commute - driving alone	36%	27%

\*\* Compare across states with caution  
 Note: Blank values reflect unreliable or missing data



**County Health Rankings & Roadmaps**  
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Search

	New York	Cattaraugus (CA), NY X
Health Outcomes		60
Length of Life		58
Premature death	5,300	7,300
Quality of Life		60
Poor or fair health	16%	19%
Poor physical health days	3.6	4.4
Poor mental health days	3.6	4.6
Low birthweight	8%	8%
Health Factors		60
Health Behaviors		59
Adult smoking	14%	23%
Adult obesity**	25%	28%
Food environment index**	9.1	8.1
Physical inactivity**	25%	29%
Access to exercise opportunities	93%	65%
Excessive drinking	19%	21%
Alcohol-impaired driving deaths	22%	25%
Sexually transmitted infections**	524.7	356.2
Teen births	18	28
Clinical Care		54
Uninsured	8%	8%

	New York	Cattaraugus (CA), NY X
Primary care physicians	1,200:1	2,050:1
Dentists	1,240:1	2,430:1
Mental health providers	390:1	900:1
Preventable hospital stays	47	60
Diabetes monitoring	86%	85%
Mammography screening	62%	55%
Social & Economic Factors		45
High school graduation**	79%	84%
Some college	67%	55%
Unemployment	4.8%	5.9%
Children in poverty	21%	21%
Income inequality	5.7	4.3
Children in single-parent households	35%	35%
Social associations	7.9	14.9
Violent crime**	394	181
Injury deaths	46	62
Physical Environment		50
Air pollution - particulate matter	8.6	9.0
Drinking water violations		Yes
Severe housing problems	24%	15%
Driving alone to work	53%	81%
Long commute - driving alone	37%	27%

\*\* Compare across states with caution  
 Note: Blank values reflect unreliable or missing data

State Data

County Data

Life Expectancy

Select Indicator

Select Counties

Select Year(s)

Select Gender

Leading Causes of Premature Death (De..Cattaraugus

All

Total

**Leading Causes of Premature (<75 years) Death for Total Population**  
**Selected Counties: Cattaraugus**

Top 5 Causes

**Number of deaths and age-adjusted death rate**

	Total Deaths	#1 Cause of Death	#2 Cause of Death	#3 Cause of Death	#4 Cause of Death	#5 Cause of Death
Cattaraugus	2015 Total Deaths 387 394.0 per 100,000	Cancer 109 103.7 per 100,000	Heart Disease 94 90.9 per 100,000	CLRD 29 24.7 per 100,000	Unintentional Injury 28 40.8 per 100,000	Suicide 11 14.0 per 100,000
	2014 Total Deaths 326 333.8 per 100,000	Cancer 105 100.5 per 100,000	Heart Disease 68 66.3 per 100,000	Diabetes 21 21.0 per 100,000	CLRD 16 15.0 per 100,000	Suicide 13 17.8 per 100,000
	2013 Total Deaths 348 373.7 per 100,000	Cancer 97 100.3 per 100,000	Heart Disease 72 71.2 per 100,000	Unintentional Injury 26 36.3 per 100,000	Diabetes 20 19.7 per 100,000	CLRD 16 15.2 per 100,000
	2012 Total Deaths 317 339.1 per 100,000	Heart Disease 85 82.8 per 100,000	Cancer 83 82.1 per 100,000	CLRD 26 25.6 per 100,000	Unintentional Injury 13 17.3 per 100,000	Suicide 11 14.6 per 100,000
	2011 Total Deaths 347 382.4 per 100,000	Heart Disease 94 100.8 per 100,000	Cancer 85 86.0 per 100,000	CLRD 26 26.8 per 100,000	Unintentional Injury 25 33.8 per 100,000	Liver Disease 14 16.4 per 100,000
	2010 Total Deaths 365 391.6 per 100,000	Cancer 108 109.3 per 100,000	Heart Disease 101 106.1 per 100,000	Unintentional Injury 25 32.5 per 100,000	CLRD 25 26.0 per 100,000	Septicemia 13 13.9 per 100,000
	2009 Total Deaths 342 369.1 per 100,000	Cancer 101 103.9 per 100,000	Heart Disease 82 86.2 per 100,000	CLRD 23 23.0 per 100,000	Diabetes 13 15.2 per 100,000	Unintentional Injury 11 15.2 per 100,000
	2008 Total Deaths 322 369.4 per 100,000	Cancer 109 117.7 per 100,000	Heart Disease 76 86.8 per 100,000	Unintentional Injury 25 33.9 per 100,000	CLRD 21 23.7 per 100,000	Diabetes 10 10.9 per 100,000

CLRD: Chronic Lower Respiratory Diseases

\*Rates based on fewer than 10 events in the numerator are unstable.

Note: Ranks are based on numbers of deaths, then on mortality rates. Where county's death counts and rates are tied, '(tie)' appears at the bottom of the corresponding cells, and causes are further ranked alphabetically.

If a cell is blank, then there were no deaths from any of the 25 causes used in our tables. These causes are listed in the technical notes.

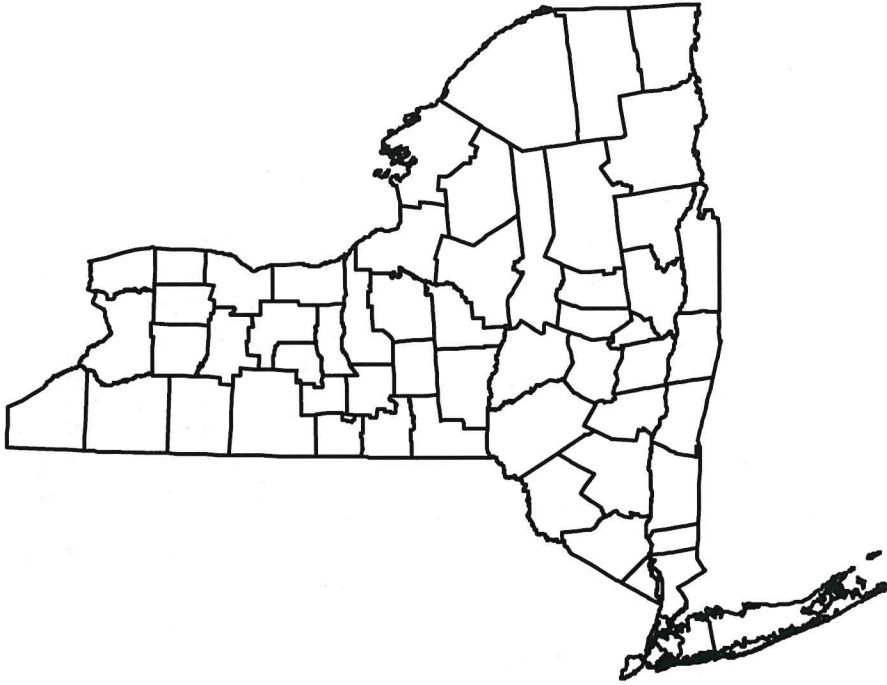
Source: Vital Statistics Data as of January 2018





**Sub-County Health Data Report  
For County Health Rankings-Related Measures  
2016**

**County: Cattaraugus**



Office of Public Health Practice -  
Bureau of Chronic Disease Evaluation and Research -

**New York State Department of Health**

Age-adjusted years of potential life lost before age 75 per 100,000 population  
ZIP codes, 2009-2013  
County: Cattaraugus





**Years of potential life lost**

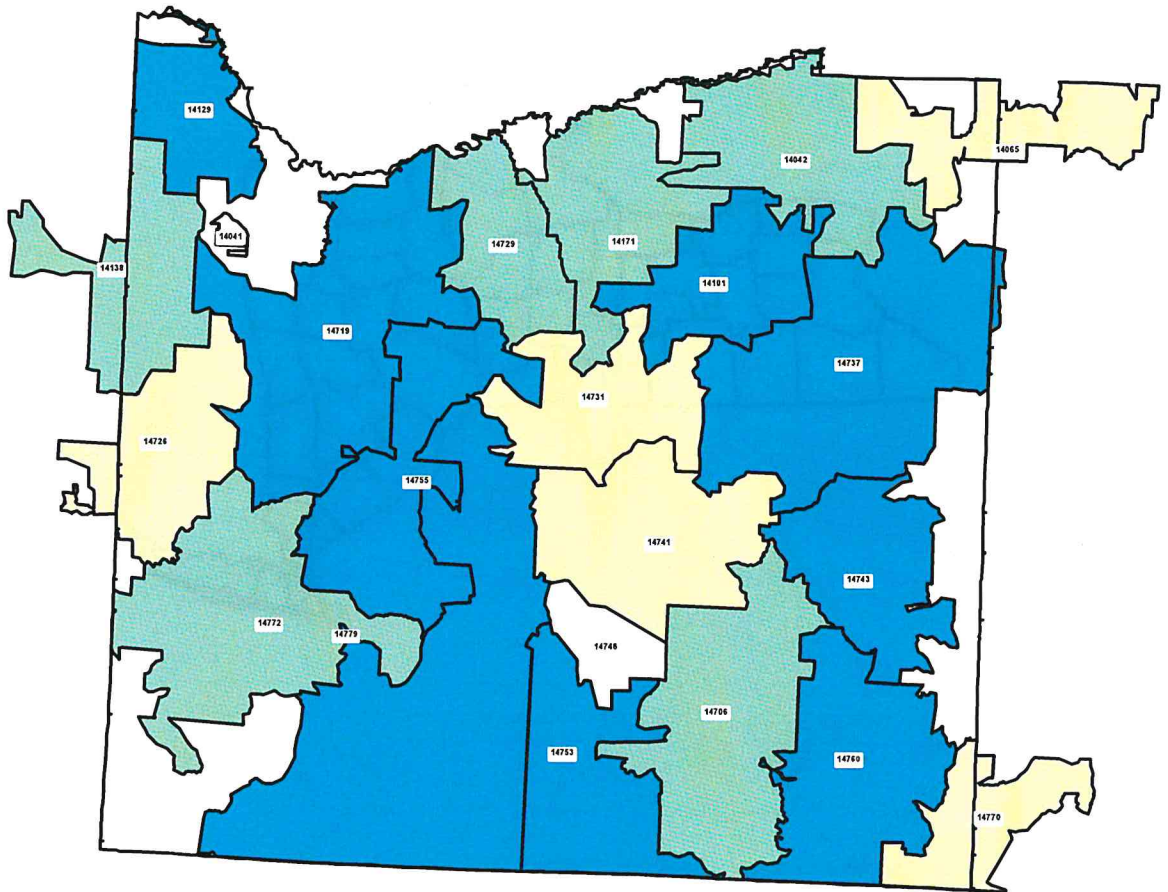
Cattaraugus County: 7,157

New York State: 5,352

New York State excluding NYC: 5,528

**Quartile Distribution: NYS excl. NYC**

-  Data do not meet reporting criteria
-  0 <= Q1 & Q2 < 5,187
-  5,187 <= Q3 < 6,850
-  6,850 <= Q4



\*: Less than 10 deaths, therefore rate may not be stable (RSE > 30%).

Data Source: New York State Vital Records



**Age-adjusted years of potential life lost before age 75 per 100,000 population**  
**ZIP codes, 2009-2013**  
**County: Cattaraugus**

County sub-population	Total premature deaths	Years of potential life lost rate
<b>ZIP code</b>		
14041	s	s
14042	90	6,665
14065	28	4,670
14101	46	8,508
14129	37	7,718
14138	37	6,655
14171	31	5,327
14706	112	5,733
14719	60	7,362
14726	23	4,494
14729	23	6,705
14731	21	2,200
14737	99	7,210
14741	37	4,326
14743	62	11,965
14748	s	s
14753	29	8,105
14755	68	7,841
14760	385	6,861
14770	23	2,224
14772	64	5,394
14779	212	11,260
<b>Total</b>		
Cattaraugus County	1,719	7,157
Western NY	29,954	6,831
New York State (excluding NYC)	178,012	5,528
New York State	292,218	5,352

\*: Less than 10 deaths, therefore rate may not be stable (RSE > 30%).  
s: Data do not meet reporting criteria.

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Data Source: New York State Vital Records



**County Health Rankings & Roadmaps**  
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how to compare multiple counties

Search

	New York	Cattaraugus (CA), NY X	Rockland (RO), NY X	Saratoga (SA), NY X	Westchester (WE), NY X	Nassau (NA), NY X	Putnam (PU), NY X	Yates (YA), NY X
Health Outcomes		60	1	2	3	4	5	6
Length of Life		58	1	7	2	4	6	12
Premature death	5,300	7,300	4,000	4,600	4,100	4,300	4,600	5,300
Quality of Life		60	3	4	21	13	10	2
Poor or fair health	16%	19%	14%	11%	14%	12%	11%	13%
Poor physical health days	3.6	4.4	3.5	3.3	3.2	3.1	3.1	3.4
Poor mental health days	3.6	4.6	3.4	3.6	3.4	3.5	3.5	3.8
Low birthweight	8%	8%	6%	7%	8%	8%	8%	5%
Health Factors		60	6	2	3	1	4	29
Health Behaviors		59	3	12	2	1	7	19
Adult smoking	14%	23%	12%	16%	11%	11%	15%	16%
Adult obesity**	25%	28%	24%	27%	21%	23%	25%	26%
Food environment index**	9.1	8.1	8.8	8.8	9.2	9.7	9.3	8.7
Physical inactivity**	25%	29%	26%	24%	21%	25%	24%	30%
Access to exercise opportunities	93%	65%	93%	90%	99%	99%	84%	49%
Excessive drinking	19%	21%	16%	22%	19%	18%	24%	19%
Alcohol-impaired driving deaths	22%	25%	24%	30%	18%	19%	22%	35%
Sexually transmitted infections**	524.7	356.2	235.3	232.5	347.6	261.4	168.9	253.9
Teen births	18	28	13	10	11	8	4	13





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	New York	Cattaraugus (CA), NY X	Allegany (AE), NY X	Chautauqua (CH), NY X PEER COUNTY	Erie (ER), NY X	Genesee (GE), NY X	Niagara (NI), NY X	Orleans (OL), NY X	Wyoming (WO), NY X
Health Outcomes		60	30	58	57	19	59	48	36
Length of Life		58	25	56	53	19	61	41	48
Premature death	5,300	7,300	5,800	7,200	7,100	5,500	7,700	6,500	6,700
Quality of Life		60	39	58	56	26	59	46	16
Poor or fair health	16%	19%	15%	18%	16%	17%	16%	18%	16%
Poor physical health days	3.6	4.4	4.0	4.3	3.8	4.0	4.4	3.8	3.9
Poor mental health days	3.6	4.6	4.3	4.1	4.0	4.3	4.0	4.4	3.8
Low birthweight	8%	8%	7%	8%	8%	6%	8%	7%	6%
Health Factors		60	48	57	31	27	51	56	36
Health Behaviors		59	45	62	38	34	53	51	44
Adult smoking	14%	23%	21%	24%	18%	20%	22%	22%	22%
Adult obesity**	25%	28%	29%	33%	29%	27%	32%	31%	27%
Food environment index**	9.1	8.1	8.2	7.8	7.8	8.6	8.1	8.0	8.2
Physical inactivity**	25%	29%	25%	25%	25%	25%	26%	28%	26%
Access to exercise opportunities	93%	65%	59%	79%	95%	62%	84%	72%	71%
Excessive drinking	19%	21%	21%	20%	22%	18%	18%	19%	19%
Alcohol-impaired driving deaths	22%	25%	24%	33%	21%	32%	21%	0%	21%
Sexually transmitted infections**	524.7	356.2	196.9	377.9	548.6	287.3	392.0	374.0	286.5

	New York	Cattaraugus (CA), NY X	Allegany (AE), NY X	Chautauqua (CH), NY X PEER COUNTY	Erie (ER), NY X	Genesee (GE), NY X	Niagara (NI), NY X	Orleans (OL), NY X	Wyoming (WO), NY X
Teen births	18	28	16	29	21	18	22	27	15
Clinical Care		54	48	21	9	45	46	60	55
Uninsured	8%	8%	6%	7%	5%	6%	5%	7%	6%
Primary care physicians	1,200:1	2,050:1	2,500:1	1,740:1	1,240:1	2,810:1	2,260:1	13,860:1	2,280:1
Dentists	1,240:1	2,430:1	3,360:1	1,750:1	1,240:1	2,540:1	1,930:1	4,590:1	2,270:1
Mental health providers	390:1	900:1	520:1	710:1	400:1	740:1	980:1	2,180:1	560:1
Preventable hospital stays	47	60	70	41	37	48	68	66	80
Diabetes monitoring	86%	85%	86%	86%	85%	82%	86%	84%	84%
Mammography screening	62%	55%	61%	68%	60%	57%	60%	54%	59%
Social & Economic Factors		45	48	55	30	10	44	42	18
High school graduation**	79%	84%	86%	83%	82%	89%	83%	85%	90%
Some college	67%	55%	59%	58%	72%	65%	67%	52%	51%
Unemployment	4.8%	5.9%	6.2%	5.8%	4.9%	4.6%	5.8%	5.7%	5.3%
Children in poverty	21%	21%	26%	29%	20%	16%	18%	22%	14%
Income inequality	5.7	4.3	4.2	4.7	5.1	4.1	4.6	4.2	3.7
Children in single-parent households	35%	35%	32%	38%	38%	30%	40%	35%	33%
Social associations	7.9	14.9	17.5	17.3	9.9	12.9	10.3	12.7	16.3
Violent crime**	394	181	173	232	448	182	379	145	108
Injury deaths	46	62	55	64	62	60	66	49	62
Physical Environment		50	29	13	60	56	52	32	49
Air pollution - particulate matter	8.6	9.0	8.5	9.0	10.6	9.7	10.6	9.6	9.2
Drinking water violations		Yes	Yes	No	Yes	Yes	No	No	Yes

	New York	Cattaraugus (CA), NY X	Allegany (AE), NY X	Chautauqua (CH), NY X PEER COUNTY	Erie (ER), NY X	Genesee (GE), NY X	Niagara (NI), NY X	Orleans (OL), NY X	Wyoming (WO), NY X
Severe housing problems	24%	15%	14%	16%	15%	12%	14%	17%	9%
Driving alone to work	53%	81%	75%	81%	81%	83%	87%	81%	83%
Long commute - driving alone	37%	27%	29%	19%	24%	33%	28%	35%	39%

\*\* Compare across states with caution  
 Note: Blank values reflect unreliable or missing data

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