Rush Copley Medical Center

CHNA FY22 Community Engagement

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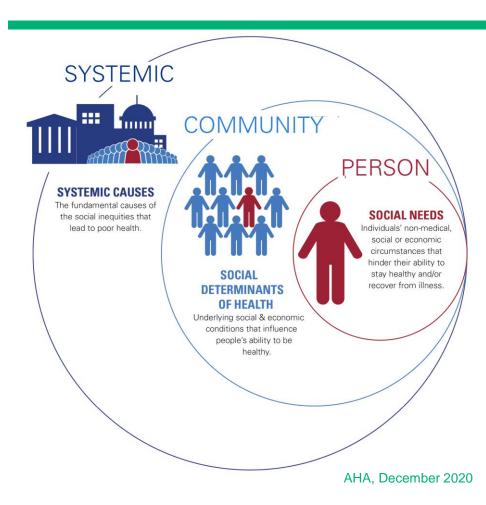
Community Engagement

Community Engagement Rush Copley Medical Center

The Office of Community Engagement will enable and support Rush Copley's commitment to improve the health equity and quality of life within our diverse communities. Through initiatives and partnerships, Rush Copley is committed to creating an impact at the individual, community and systemic level.

These are some of the ways in which we achieve this purpose:

- Assessing the health needs of our community and developing strategies to address these needs
- Evaluating the effectiveness of Rush Copley programs in meeting the needs of our community
- Reporting and communicating Rush Copley's community engagement efforts to its internal and external communities
- Developing and strengthening effective community partnerships

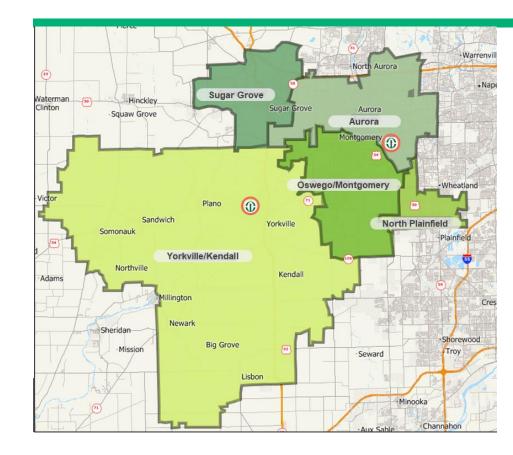


Primary Service Area, RCMC

Rush Copley is part of RUSH, an academic health system comprising of Rush University Medical Center, Rush Oak Park Hospital, and Rush University.

Rush Copley's Primary Service Area

- The community served by the hospital is defined as the geographic area identified by the contiguous zip codes from which approximately 80% of the hospital's discharged patients reside. The hospital also refers to this geographic area as the Rush Copley Primary Service Area (PSA).
- As seen in the map to the right, the community served includes all of Aurora and most of Southern Kane and Kendall Counties.
- Includers 18 zip codes and 13 cities/villages.
- Covers six counties: Kane, Kendall, DeKalb, LaSalle, DuPage and Will.





CHNA Process

CHNA Process and Framework

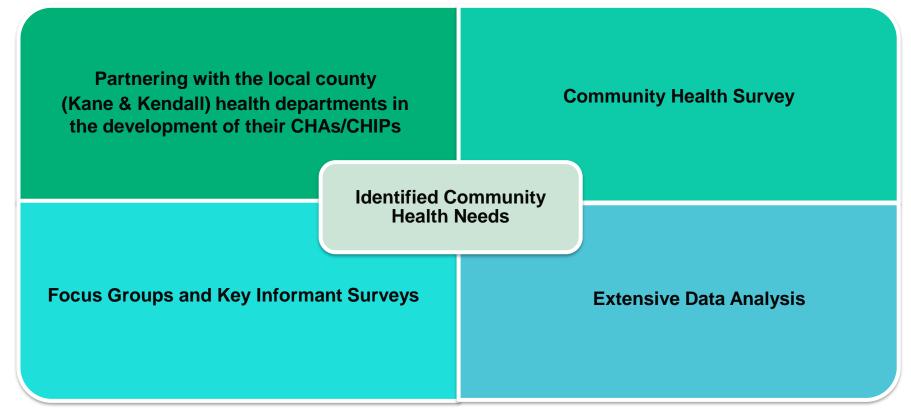


- The hospital conducts the Community Health Needs Assessment every three years. Community partnerships related to many of the components in the assessment process were established and on-going since the FY2013 assessment.
- The hospital developed and adopted an implementation strategy to address the identified community health needs. The Community Health Needs Assessment and Implementation Strategy were approved and adopted by the hospital's Board of Directors on March of 2022.
- The hospital followed the Association of Community Health Improvement's (ACHI) framework for developing a comprehensive and efficient Community Health Needs Assessment, which is displayed in the graphic to the right.



Methodology

There are four key methods used in the data and information collection and analysis component of the
assessment process that are critical in developing an accurate picture of the health of the community served.

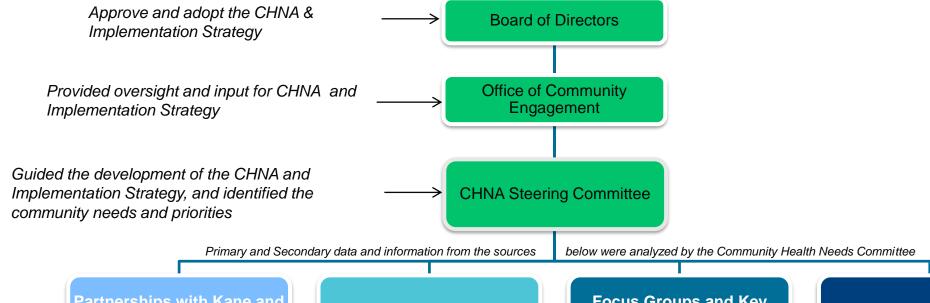


The framework and methodology used is the Association of Community Health Improvement (ACHI) from the American Hospital Association.



Structure & Input

An internal team with health and community expertise guided the development of the CHNA. In addition, the hospital took into account input from a number of persons representing the broad interests of the community served.



Partnerships with Kane and Kendall Counties

Collaborated with the Kane County and Kendall County health departments, as well as many other community partners and health experts, to develop and implement their respective IPLANs and inform the Rush Copley CHNA

Community Health Survey

- Conduent: Online Survey,
 English and Spanish
 1,515 adult participants
 RCMC: Online Survey,
- RCMC: Online Survey English and Spanish 725 adult participants

Focus Groups and Key Informant surveys

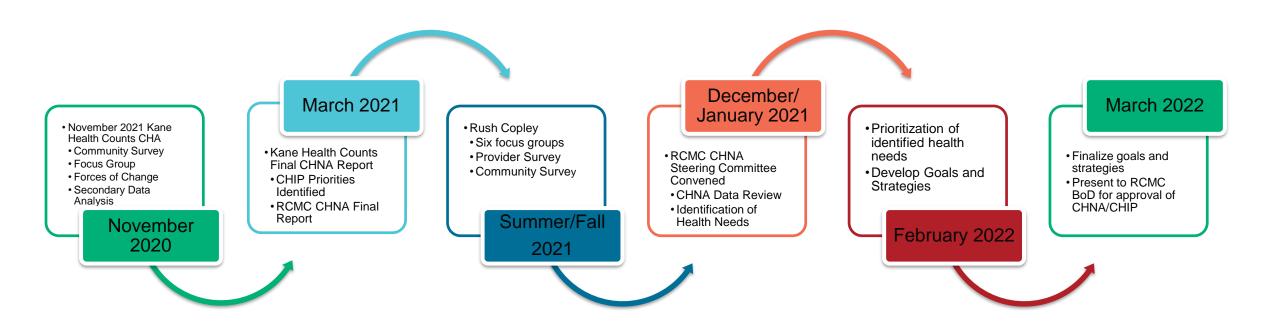
- Two key informant surveys
- Three Kane Health Counts Focus Groups
- Six RCMC focus groups
- Included the unique perspectives of the health needs in the community from residents, patients, healthcare leaders and experts.

Secondary Data Analysis

- ~40 local, state and national sources of health data and information
- Data indicators aligned & compared to the FY13, FY16, FY19 CHNAs and Healthy People 2030 data and goals



Timeline





RCMC PSA Utilization

RCMC PSA Utilization

						5-Year C	hange
RCMC Utilization ¹	2016	2017	2018	2019	2020	n	%
Inpatient and Observation Utilization							
Admissions	11,513	10,793	10,736	10,700	12,067	554	4.8%
Inpatient days	48,226	44,247	46,461	42,837	49,535	1,309	2.7%
Average length of stay	4.2	4.1	4.3	4.0	4.1	(0.1)	-2.0%
Observation days	11,256	11,402	11,479	11,579	6,052	(5,204)	-46.2%
Total Births	3,395	3,173	3,039	2,944	2,755	(640)	-18.9%
Total Outpatient Visits	226,711	177,371	172,829	172,554	161,498	(65,213)	-28.8%
Emergency Department Visits (RCMC and RCMC FEC)	78,478	75,533	74,459	72,582	62,344	(16,134)	-20.6%
Cardiac Cath Procedures	1,394	1,449	1,386	1,225	1,109	(285)	-20.4%
Cardiac Surgery Cases	91	64	145	159	129	38	41.8%
Mammography Procedures	14,942	14,611	14,478	14,212	13,946	(996)	-6.7%

Sources: 1) IDPH Annual Hospital Questionnaire CY2016-CY2020; 2) IHA COMPdata



Inpatient Discharge, RCMC PSA

RCMC PSA						5-Year C	hange
Inpatient Discharges by Major Disease Category	2016	2017	2018	2019	2020	n	%
PREGNANCY, CHILDBIRTH & THE PUERPERIUM	4,845	4,608	4,517	4,363	4,102	(743)	-15.3%
NEWBORNS & OTHER NEONATES WITH CONDTN ORIG IN PERINATAL PERIOD	4,663	4,459	4,391	4,260	3,923	(740)	-15.9%
RESPIRATORY SYSTEM	2,548	2,614	2,585	2,625	3,543	995	39.1%
CIRCULATORY SYSTEM	2,683	2,726	2,884	3,009	2,692	9	0.3%
MENTAL DISEASES & DISORDERS	2,777	2,914	3,135	2,891	2,539	(238)	-8.6%
MUSCULOSKELETAL SYSTEM & CONN TISSUE	2,782	2,714	2,743	2,620	2,063	(719)	-25.8%
DIGESTIVE SYSTEM	2,367	2,364	2,254	2,250	2,052	(315)	-13.3%
NERVOUS SYSTEM	1,856	1,798	1,877	1,867	1,698	(158)	-8.5%
INFECTIOUS & PARASITIC DISEASES, SYSTEMIC OR UNSPECIFIED SITES	1,167	1,218	1,331	1,352	1,544	377	32.3%
KIDNEY & URINARY TRACT	1,212	1,197	1,192	1,307	1,190	(22)	-1.8%
HEPATOBILIARY SYSTEM & PANCREAS	976	976	909	905	912	(64)	-6.6%
ENDOCRINE, NUTRITIONAL & METABOLIC	778	914	788	884	882	104	13.4%
SKIN, SUBCUTANEOUS TISSUE & BREAST	688	651	572	586	508	(180)	-26.2%
ALCOHOL/DRUG USE & INDUCED ORGANIC MENTAL DISORDERS	553	621	531	460	423	(130)	-23.5%
INJURIES, POISONINGS & TOXIC EFFECTS OF DRUGS	384	377	430	415	403	19	4.9%
BLOOD, BLOOD FORMING ORGANS, IMMUNOLOG DISORD	361	383	356	341	340	(21)	-5.8%
FACTORS INFLUENCING HLTH STAT & OTHR CONTACTS WITH HLTH SERVCS	180	212	282	317	324	144	80.0%
MYELOPROLIFERATIVE, POORLY DIFFERENTIATED NEOPLASM	248	298	281	300	301	53	21.4%
FEMALE REPRODUCTIVE SYSTEM	350	328	281	276	227	(123)	-35.1%
EAR, NOSE, MOUTH & THROAT	237	193	209	244	197	(40)	-16.9%
MULTIPLE SIGNIFICANT TRAUMA	67	76	82	67	77	10	14.9%
MALE REPRODUCTIVE SYSTEM	108	140	116	114	71	(37)	-34.3%
EYE	33	30	23	26	31	(2)	-6.1%
BURNS	15	17	17	17	23	8	53.3%
HUMAN IMMUNODEFICIENCY VIRUS INFECTIONS	26	16	18	23	18	(8)	-30.8%
Total	31,904	31,844	31,804	31,519	30,083	(1,821)	-5.7%

IHA COMPdata, CY2016-CY2020



ED Discharge, RCMC PSA

RCMC PSA				3-Year Change		1-Year Change	
ED Discharges by Principal Diagnosis		2019	2020	n	%	n	%
U071 - COVID-19, VIRUS IDENTIFIED			4,749	4,749	-	4,749	-
R0789 - OTHER CHEST PAIN	4,281	4,365	3,910	(371)	-9%	(455)	-10%
J101 - FLU DUE TO OTH IDENT INFLUENZA VIRUS W OTH RESP MANIFEST	1,544	1,161	1,824	280	18%	663	57%
J069 - ACUTE UPPER RESPIRATORY INFECTION, UNSPECIFIED	2,814	2,722	1,696	(1,118)	-40%	(1,026)	-38%
N390 - URINARY TRACT INFECTION, SITE NOT SPECIFIED	3,236	2,322	1,487	(1,749)	-54%	(835)	-36%
R51 - HEADACHE	2,024	2,041	1,123	(901)	-45%	(918)	-45%
R05 - COUGH	804	916	1,061	257	32%	145	16%
J029 - ACUTE PHARYNGITIS, UNSPECIFIED	1,486	1,321	1,033	(453)	-30%	(288)	-22%
R42 - DIZZINESS AND GIDDINESS	1,111	1,264	992	(119)	-11%	(272)	-22%
J189 - PNEUMONIA, UNSPECIFIED ORGANISM	1,384	1,181	988	(396)	-29%	(193)	-16%
R55 - SYNCOPE AND COLLAPSE	1,234	1,143	973	(261)	-21%	(170)	-15%
B349 - VIRAL INFECTION, UNSPECIFIED	941	952	972	31	3%	20	2%
R509 - FEVER, UNSPECIFIED	1,166	1,192	967	(199)	-17%	(225)	-19%
R112 - NAUSEA WITH VOMITING, UNSPECIFIED	954	1,058	943	(11)	-1%	(115)	-11%
M545 - LOW BACK PAIN	1,368	1,292	922	(446)	-33%	(370)	-29%
R109 - UNSPECIFIED ABDOMINAL PAIN	2,235	1,691	899	(1,336)	-60%	(792)	-47%
K529 - NONINFECTIVE GASTROENTERITIS AND COLITIS, UNSPECIFIED	1,411	1,319	876	(535)	-38%	(443)	-34%
R1013 - EPIGASTRIC PAIN	967	998	869	(98)	-10%	(129)	-13%
F329 - MAJOR DEPRESSIVE DISORDER, SINGLE EPISODE, UNSPECIFIED	1,237	1,137	807	(430)	-35%	(330)	-29%
R079 - CHEST PAIN, UNSPECIFIED	1,580	1,282	760	(820)	-52%	(522)	-41%
A419 - SEPSIS, UNSPECIFIED ORGANISM	690	678	727	37	5%	49	7%
R002 - PALPITATIONS	660	664	713	53	8%	49	7%
K5900 - CONSTIPATION, UNSPECIFIED	1,026	774	694	(332)	-32%	(80)	-10%
S0990XA - UNSPECIFIED INJURY OF HEAD, INITIAL ENCOUNTER	969	961	676	(293)	-30%	(285)	-30%
F10129 - ALCOHOL ABUSE WITH INTOXICATION, UNSPECIFIED	877	718	653	(224)	-26%	(65)	-9%
J111 - FLU DUE TO UNIDENTIFIED INFLUENZA VIRUS W OTH RESP MANIFEST	1,322	542	607	(715)	-54%	65	12%
I10 - ESSENTIAL (PRIMARY) HYPERTENSION	636	620	600	(36)	-6%	(20)	-3%
*OTHER PRINCIPAL DIAGNOSES	97,088	97,525	76,878	(20,210)	-21%	(20,647)	-21%
Total	135,045	131,839	109,399	(25,646)	-19%	(22,440)	-17%



RCMC Focus Groups

Rush Copley Focus Groups

Focus Group Questions

- What do you think are the greatest overall health care needs for residents of the community RCMC serves?
- What do you think are the greatest health care needs for residents in the community by age group (children, teens, middle-aged adults, seniors)?
- What do you think are the greatest health care needs for the Hispanic and Latino residents in the community? Feel free to comment on any racial or ethnic healthcare disparities/needs.
- What do you think are the greatest health care needs for other vulnerable populations (i.e. uninsured/under-insured, veterans, individuals with developmental disabilities, care givers, LGTBQ community, etc.)?
- What can RCMC do to most significantly improve the health of the community we serve?

Hosted six focus groups

Date	Focus Group	Attendees
07/27/21	Patient Family Advisory Board Council	11
08/16/21	Nursing Leadership/Management	9
08/24/21	Kendall County Interagency Council	18
08/26/21	Health Equity Committee	11
08/31/21	Care Management	12
09/08/21	Compañeros en Salud	21



RCMC Focus Group

Community Needs

- Mental Health
- Medication Assistance
- Transportation
- Prevention
- Management of Chronic Health Conditions

Children/Teens

- Mental Health
- Development Specialist
- Adults Children w/Special Needs and Care
- Obesity

Adults

- Mental Health
- Prioritization of Health Needs
- Sandwich Generation
- Chronic Conditions
- COVID-19

Seniors

- Mental Health
- Isolation
- Transportation
- COVID-19



RCMC Focus Group

Hispanic/Latinx and African Americans

- Hesitation around elder care
- Lack of PCP/Medical Home
- Obesity
- LEP/Linguistic needs
- Literacy Needs (Including Health)
- Trust
- Undocumented Access to Care
- Prenatal Care
- · Chronic Conditions: Diabetes, HBP, Renal disease

Vulnerable Populations

- Uninsured population
 - Access: Medical/Dental
 - Barriers to specialist
 - Long wait times to get appointments
 - Frustration with healthcare

LGBTQ

- Marriage being recognized
- Discrimination in healthcare
- Lack of provider/healthcare knowledge for caring for patients
- Access to treatment and care
- No being accepted by family/loved ones

Homeless

Medical care

Individuals with Disabilities

- Disabled adult children and needing a caregiver or their caregiver needing assistance due again generation(caregiver).
- Group homes for disabled/autistic individuals

Immigrant population

Potential fear of deportation

Veterans

Limited by insurance and long waits



Improve Community Health, RCMC Focus Group

- Meet the patient where they are
 - Going back in time but providing doctor home visit to meet patient's need
 - Programs and services in the community
- Rush needs to highlight all that they are doing for the community
- Provide Mental Health Services
 - Local answer/response to mental healthcare need
- Wellness Program/Management
 - Nutrition and Physical Activity
- Cross Collaboration
 - Community based organizations and faith based

community

- Community Health Workers
 - Provide screening for SDoH (RUMC CHW Role)
 - Can connect patients with resources and appointments for follow up care
- Education on the way health insurance works
 - Explanation for the cost of care
 - Time to educate and explaining bill to patient
 - Financial counselors



RCMC Provider Survey

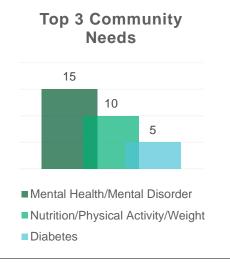
RCMC CHNA Provider Survey

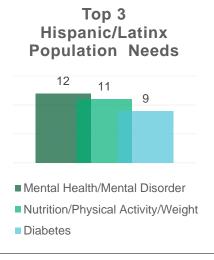
CHNA Provider Survey

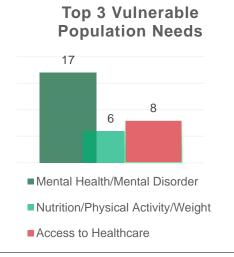
• Internet based survey from 10/26/21-11/08/21 to RCMG providers, residents and hospitalist.

Survey Questions

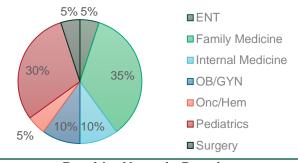
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- What do you think are the greatest health care needs for other vulnerable populations (i.e. uninsured/underinsured, individuals with developmental disabilities, care givers, LGTBQ community, etc.?
- What do you think are the greatest societal needs for residents in the community?
- What can RCMC do to most significantly improve the health of the community we serve?





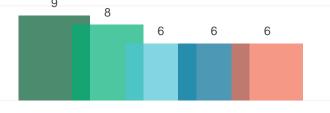


Provider Dept. Participation



Provider Years in Practice									
	Mean	16.1	Min	1	Max	28	Count	20	

Top 5 Societal Needs



- Support for Families w/children (Child Care/Parenting Support)
- Healthy Food Options (Restaurants/Stores/Markets)
- Food Insecurity
- Homelessness/Unstable Housing
- Economy/Job Availability



Cont. RCMC CHNA Provider Survey

RCMC opportunities to improve health of the community:

- · Provide dieticians, dentists, and mental health services who accept Medicaid
- Improve partnerships with FQHCs
- Collaborate and share resources with community organizations
- More "boots on the ground" outreach activities
- Establish a community-based health care clinic in an underserved community or possibly at Hesed House
- More physical, occupational, speech therapy options for those on state insurance.
- Access to childcare that is affordable and flexible for working families.
- · Preventive care
- Educate
- Improve/implement programs focusing on mental health, access to behavioral health providers.
- More mental health access for state insurance (psychiatry, psychology, neuropsychology, counselors, and therapists
- Significant morbid obesity and delayed access to care complicating many disease/surgical processes.
- · We need to start offering mental health services

- Mental health services.
- More accessibility mainly to medical specialties.
- I think we need to strongly consider adding behavioral health services to our community, whether in person or telehealth. I have many patients who have difficulty obtaining mental health services.
- I also think we need to focus on making our hospital a safe environment for all patients. We have limited providers who focus on substance use disorders and limited information about resources available. It is a shame as RUMC has a fellowship and tons of resources downtown.
- We are making some head way with LGTBQ language and services, but we need to consider patients with disabilities and structuring the clinics to have protocols and space for all people.

Comments:

- Mental health services: I have asked about mental health services before, and I don't see anything changing.
- Community supports and transition services for children with developmental and cognitive disability including assistance with planning and applying for guardianship.



RCMC Community Survey

Community Survey Findings

City

- Aurora, 45%
- Oswego, 17%
- Yorkville, 10%

Race/Ethnicity

- White/Caucasian, 80%
- Hispanic/Latinx, 10%
- AA/Black, 5%

Age

- 45-54, 13%
- 55-64, 18%
- 65-74, 32%
- 75+, 19%

Gender

- Female, 64%
- Male, 31%

Insurance

- Insured, 97%
- Uninsured 3%

Health Conditions

- High BP, 45.7%
- Joint Pain, 41.8%
- Overweight/Obese, 37.6%
- Cancer, 19.1%
- Diabetes, 17.9%
- Mental Health, 12.6%
- Heart Disease, 12.4%

Food Insecurity

- Worried, 11.4%
- Ran Out, 8.2%

Tobacco Use

• Yes, 4.5%

Address in Community

- Crime and neighborhoods safety, 40%
- Senior Services, 35.5%
- Homelessness/Unstable Housing, 29.7%
- Healthy Foods, 20.7%
- Domestic Violence Prevention, 18.6%
- Food Insecurity, 18.%
- Economy/Education/Support for Families, 16%

ER, 27%

- Emergency, 47.8%
- After Clinic Hours/Weekend, 26.9%
- Long wait for appt., 6.5%
- Concerns about cost/copays, 2%
- Need food/shelter/resources, 1.7%



All Identified Needs, Kane County Health Department

Behavioral Health

Mental Health

Poor Mental Health Days, Age-Adjusted Hospitalization for Peds

Substance Abuse

 Teens who use alcohol, Alcohol impaired driving deaths, Age adjusted ER and hospitalization rate due to Alcohol use, Liquor store density, Teens who use marijuana, Adults who use e-cigarettes

Access to Health Services

PCP Rate, Clinical care ranking, Adults & children with health insurance

Immunization and Infectious Diseases

 COVID-19 daily average case fatality rate, HIV diagnosed cases, Overdose households, Adults w/pneumonia vaccine, Chlamydia incidence rate, Syphilis incidence rate

Exercise, Nutrition & Weight

 SNAP certified stores, Children low access to grocery store, Farmers Market density, Fast food restaurant density, Grocery store density, People with low access to grocery store

Education

• Student to Teacher Ratio, People 25+ w/High School Degree or Higher

Environment

SNAP certified stores, Recognized carcinogens released into the air, Annual
ozone air quality, Liquor store density, Children low access to grocery store,
Farmers market density, Fast food restaurant density, Grocery store density,
Overcrowded households, Sever housing problems

Maternal, Fetal & Infant Health

Preterm Births, Preterm Labor and delivery hospitalization

Older Adults & Aging

 Atrial fibrillation, cancer, osteoporosis, rheumatoid arthritis, stroke, hypertension, hyperlipidemia

Other Chronic Diseases

Medicare population: osteoporosis, rheumatoid arthritis

Public Safety

Alcohol impaired driving

Teen & Adolescent Health

Teens who use alcohol, teens who use marijuana

Transportation

• Solo drivers w/long work commute, mean travel time to work, workers community by public transportation.



County Health Ranking

County Health Ranking



	Illinois	Kane	Kendall	DuPage	Will	DeKalb	LaSalle
Health Outcomes		7	2	1	9	20	59
Premature death	6,600	5,000	4,300	4,300	5,900	6,000	8,500
Poor or fair health	16%	16%	14%	12%	15%	16%	18%
Poor physical health days	3.6	3.7	3.3	3.1	3.4	3.9	4.1
Poor mental health days	3.8	3.3	3.1	3.7	3.7	4.4	4.4
Low birthweight	8%	7%	7%	7%	8%	7%	7%
Health Factors		21	4	1	23	22	74
Health Behaviors		3	49	1	6	19	61
Adult smoking	16%	16%	15%	14%	16%	19%	22%
Adult obesity	30%	28%	35%	26%	34%	33%	32%
Food environment index	8.7	9.1	9.6	9.3	9.1	7.7	8.1
Physical inactivity	22%	14%	20%	16%	21%	20%	27%
Access to exercise opportunities	91%	96%	94%	100%	97%	84%	82%
Excessive drinking	22%	20%	23%	21%	22%	20%	21%
Alcohol-impaired driving deaths	31%	32%	26%	27%	36%	37%	40%
Sexually transmitted infections	604	407.7	341.5	273.6	422.7	589.1	312.5
Teen birth rate	19	19	8	8	12	9	24
Clinical Care		91	19	1	48	47	34
Uninsured	8%	10%	6%	6%	6%	7%	6%
Primary care physicians	1,240:1	2,440:1	2,720:1	740:1	1,810:1	3,470:1	2,540:1
Dentists	1,240:1	1,480:1	2,630:1	900:1	1,770:1	1,540:1	1,870:1
Mental health providers	410:1	370:1	980:1	320:1	800:1	390:1	1,040:1
Preventable hospital stays	4,913	4,696	3,890	3,760	5,660	4,490	4,146
Mammography screening	43%	41%	44%	45%	43%	39%	45%
Social & Economic Factors		54	3	2	11	20	79
High school graduation	87%	87%	95%	94%	91%	90%	86%
Some college	70%	62%	74%	79%	69%	73%	59%
Unemployment	5.9%	5.5%	5.2%	4.8%	6.1%	5.4%	6.7%
Children in poverty	16%	13%	5%	7%	9%	12%	18%
Income inequality	5.0	4.2	3.1	4.2	3.9	4.9	4.4
Children in single-parent households	25%	19%	15%	16%	18%	25%	24%
Social associations	10.0	7.3	5.2	9.5	6.9	10.0	12.7
Violent crime rate	403	166	104	89	163	276	125
Injury deaths	65	44	45	42	52	57	92
Physical Environment		31	90	88	37	88	98
Air pollution-particulate matter	8.7	8.0	9.5	7.8	8.0	9.3	9.1
Drinking water violations		No	No	Yes	No	No	Yes
Severe housing problems	17%	17%	13%	16%	14%	18%	13%
Driving alone to work	73%	80%	83%	76%	83%	81%	85%
Long commute-driving alone	42%	43%	52%	42%	50%	38%	30%

Summary

Summary

RCMC Community Survey

Health Conditions

- Chronic Conditions
- Overweight/Obesity
- Mental Health

Address in Community

- Crime and neighborhoods safety
- Senior Services
- Homelessness/Unstable Housing
- Healthy Foods
- Demos tic Violence Prevention
- Food Insecurity

RCMC Provider Survey

- Mental Health/Mental Disorder
- Physical Activity/Nutrition/Weight
- Diabetes

RCMC Focus Group

- Mental Health
- Medication Assistance
- Transportation
- Prevention
- Management of Chronic Health Conditions

