

CHIP in Walworth County

{ A community health improvement planning process for Walworth County – with a special emphasis on environmental health

Walworth County Public Health Department

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Master of Public Health, Medical College of Wisconsin



- ⌘ Location: Walworth County Health Department
- ⌘ State statute 251.05: perform a community health assessment and improvement plan every 5 years¹
- ⌘ This project:
 - ⌘ Compiled, analyzed, summarized, and presented community health status information
 - ⌘ Researched environmental health program recommendations
 - ⌘ Designed an environmental health improvement plan

Introduction



- & Community Health Status
- & Focus Groups
- & Key Informants
- & Stakeholders
- & Pick Priorities
- & Action Steps

CHIP Process

⌘ Healthiest WI health priority areas²

⌘ Variety of local, state, and national sources

⌘ WI Department of Health and Human Services

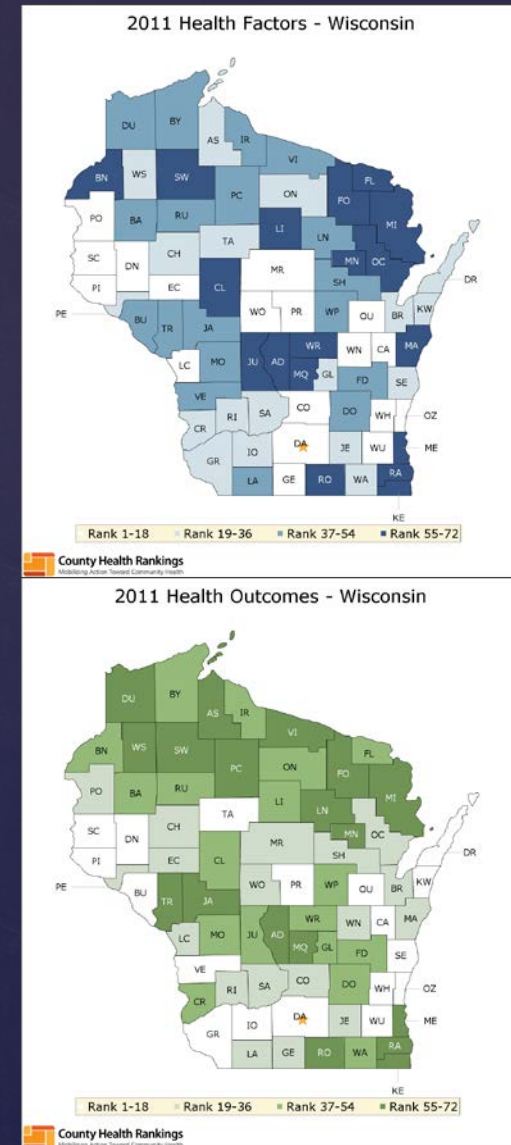
⌘ WISH

⌘ CDC

⌘ County Health Rankings out of 72 counties³

⌘ Health outcomes 50

⌘ Health Factors 32



Community Health Status

2011 County Health Rankings³

	Walworth County	Portage County	Ozaukee County	Jefferson County	Wisconsin
Population Estimate, 2010:	102,228	70,019	86,395	83,686	
Health Outcomes (Rank of 72)	50	16	1	25	
Mortality (Rank)	38	17	1	23	6,230
Premature Death	6,437	5,569	4,321	5,790	
Morbidity (Rank)	61	14	9	37	
Poor or fair health	17%	12%	8%	13%	12%
Poor physical health days	3.9	3.5	2.9	3.0	3.2
Poor mental health days	3.1	2.5	2.9	3.9	3.0
Low birth weight	6.2%	5.0%	5.4%	5.6%	6.8%
Health Factors (Rank)	32	12	1	29	
Health Behaviors (Rank)	24	26	1	50	
Adult Smoking	22%	18%	14%	21%	21%
Adult Obesity	27%	28%	26%	30%	28%
Excessive Drinking	22%	25%	22%	24%	25%
Motor vehicle crash death rate	19	16	9	19	15
Sexually transmitted infections	101	207	16	53	375
Teen birth rate	28	20	9	22	32
Clinical Care (Rank)	64	30	4	44	
Uninsured Adults	16%	11%	10%	12%	11%
Primary care providers	1,341:1	1,030:1	514:1	1,414:1	744:1
Preventable hospital stays	62	53	44	55	61
Diabetic screening	88%	87%	85%	87%	89%
Mammography screening	65%	72%	76%	71%	71%
Social & Economic Factors (Rank)	33	9	1	28	
High school graduation	85%	95%	100%	90%	89%
Some College	59%	64%	79%	59%	63%
Unemployment	8.9%	7.0%	7.4%	9.1%	8.5%
Children in poverty	12%	11%	5%	10%	14%
Inadequate social support	18%	12%	15%	16%	17%
Single-parent households	23%	21%	17%	21%	29%
Violent crime rate	103	103	57	171	283
Physical Environment (Rank)	30	49	10	15	
Air pollution-particulate matter days	3	4	3	5	5
Air pollution-ozone days	2	0	3	0	1
Access to healthy foods	73%	33%	88%	90%	59%
Access to recreational facilities	15	12	21	12	12

Community Health Status



⌘ The assessment, management, prevention, and control of factors in the environment that adversely affect health

⌘ In Walworth County

- ⌘ 1 Environmental Health Specialist
- ⌘ Agent of the DNR for non-transient well water testing and sanitary inspection
- ⌘ Provide lead poisoning inspections
- ⌘ Largely dependent on state run programs and other departments

Environmental Health

- ⌘ 962 licensed establishments inspected by 2.4 FTE sanitarians⁴
 - ⌘ 55 Cases of foodborne illness in 2010⁵

- ⌘ 192 of 8,000 active wells inspected annually⁶
 - ⌘ 30 cases of illness⁵

- ⌘ 1,196 children screened for lead in 2010⁷
 - ⌘ Primarily WIC enrolled children
 - ⌘ 4 children met lead poisoning guidelines

Environmental Health

- ↳ Better understanding of health issues and perception
 - ↻ School Nurses
 - ↻ Public Health staff
 - ↻ WIC staff
 - ↻ DHHS management team
 - ↻ Early Head Start staff
- ↳ Biggest Health Concerns
- ↳ Need to be addressed immediately
- ↳ Need to be addressed next 5 years

Key Informants and Focus Groups

- ⌘ Is there one health priority area that ranks much lower than others on the County Health Rankings?
- ⌘ How many people are affected by the issue?
- ⌘ How severe is the effect?
- ⌘ How important is the issue perceived to be?
- ⌘ What are the consequences of not intervening?
- ⌘ Are there strategies to address the issue that have been shown to work?
- ⌘ How likely is it that we can improve the problem?
- ⌘ Would there be community support for the issue?
- ⌘ What other activities or programs are already running to address the problem?
- ⌘ Will the County be willing to increase resources and support the issue, and will the Community support this increase?

Priority Issues: Criteria

	1 st Priority (3 Points)	2 nd Priority (2 Points)	3 rd Priority (1 Point)	Total Points
Access to free medical clinic or other model	10	6	2	44
Access to free /low cost dental services	6	7	8	40
Environmental health (Agent Program)	2	2	2	12
Comprehensive Info and Referral	0	2	0	4
Prevention of chronic disease	2	6	3	21
Coordination of prevention goals with focus on a life course model	5	2	5	24
Early Intervention for high risk families	2	3	7	19
Mental Health services for children and parents	0	1	2	4
Mental health assessment in primary care	0	1	2	4
Expansion of alcohol and drug abuse prevention programs	1	0	0	3

⌘ Access to Medical Care

⌘ Access to Dental Care

⌘ Prevention

⌘ High Risk Families

Priority Issues

Pediatric Environmental Home Assessment

HOME VISIT EXERCISE ANSWER SHEET

RESIDENT REPORTED INFORMATION

Bolded responses indicate areas of greater concern.

General Housing Characteristics

Type of ownership	<input type="checkbox"/> Own house	<input type="checkbox"/> Market rate rental hsg.	<input checked="" type="checkbox"/> Subsidized rental hsg.	<input type="checkbox"/> Shelter
Age of home	<input type="checkbox"/> Pre-1950	<input checked="" type="checkbox"/> 1950 -1978	<input type="checkbox"/> Post-1978	<input type="checkbox"/> Don't know
Structural foundation	<input checked="" type="checkbox"/> Basement	<input type="checkbox"/> Slab on grade	<input type="checkbox"/> Crawlspace	<input type="checkbox"/> Don't know
Floors lived in (check all that apply)	<input type="checkbox"/> Basement	<input type="checkbox"/> 1 st	<input checked="" type="checkbox"/> 2 nd	<input type="checkbox"/> 3 rd or higher
Heating	Fuel used	<input type="checkbox"/> Natural gas / LPG	<input checked="" type="checkbox"/> Oil	<input type="checkbox"/> Electric
	Sources in home	<input checked="" type="checkbox"/> Radiators	<input type="checkbox"/> Forced hot air vents	<input type="checkbox"/> Space heater or oven
	Filters changed	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't know
	Control	<input type="checkbox"/> Easy to control heat	<input checked="" type="checkbox"/> Hard to control heat	<input type="checkbox"/> Other: _____
Cooling	<input type="checkbox"/> Windows	<input checked="" type="checkbox"/> Central/window AC	<input type="checkbox"/> Fans	<input type="checkbox"/> None
Ventilation (check all that apply)	<input checked="" type="checkbox"/> Opens windows	<input type="checkbox"/> Kitchen & bathroom fans	<input type="checkbox"/> Central ventilation	

NOTES: PARENT REPORTS BIGGEST CONCERNS ARE DUST AND MICE

Indoor Pollutants

Mold and moisture	<input type="checkbox"/> Uses dehumidifier	<input checked="" type="checkbox"/> Uses vaporizer or humidifier	<input type="checkbox"/> Musty odor evident	<input checked="" type="checkbox"/> Visible water / mold damage
Pet	Presence	<input checked="" type="checkbox"/> No pets	<input type="checkbox"/> Cat # _____	<input type="checkbox"/> Dog # _____
	Management	<input type="checkbox"/> Kept strictly outdoors	<input type="checkbox"/> Not allowed in patient's bedroom	<input type="checkbox"/> Full access in home
Pests	Cockroaches	<input type="checkbox"/> None	<input type="checkbox"/> Family reports	<input checked="" type="checkbox"/> Evidence seen
	Mice	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Family reports	<input checked="" type="checkbox"/> Evidence seen
	Rats	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Family reports	<input type="checkbox"/> Evidence seen
	Bedbugs	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Family reports	<input type="checkbox"/> Evidence seen
Lead paint hazards	<input type="checkbox"/> Tested and passed	<input type="checkbox"/> Tested, failed, and mitigated	<input type="checkbox"/> Not tested/Don't know	<input checked="" type="checkbox"/> Loose, peeling, or chipping, paint
Asbestos	<input type="checkbox"/> Tested - None present	<input type="checkbox"/> Tested, failed, and mitigated	<input checked="" type="checkbox"/> Not tested/Don't know	<input checked="" type="checkbox"/> Damaged material
Radon	<input type="checkbox"/> Tested and passed	<input type="checkbox"/> Tested, failed, and mitigated	<input checked="" type="checkbox"/> Not tested/Don't know	<input type="checkbox"/> Failed test but not mitigated
Health and Safety Alarms	<input checked="" type="checkbox"/> Smoke alarm working and well placed	<input type="checkbox"/> CO alarm working and one on each floor	<input type="checkbox"/> CO alarm does not log peak level	<input type="checkbox"/> No smoke alarm
Tobacco smoke exposure **SEE NOTES	<input checked="" type="checkbox"/> No smoking allowed	<input type="checkbox"/> Smoking only allowed outdoors	<input type="checkbox"/> Smoking allowed indoors	<input type="checkbox"/> Total # smokers in household: _____
Other irritants	<input checked="" type="checkbox"/> None	<input type="checkbox"/> Air fresheners	<input type="checkbox"/> Potpourri, incense, candles	<input type="checkbox"/> Mother smokes
Type of cleaning	<input type="checkbox"/> Standard Vacuum (non HEPA)	<input checked="" type="checkbox"/> HEPA vacuum	<input type="checkbox"/> Damp mop and damp dusting	<input type="checkbox"/> Sweep or dry mop

NOTES: HOUSEHOLD IS NON-SMOKING BUT EXPOSED TO SMOKE FROM APT. BELOW; NEED TO RE-SEAL FOR MICE;

⌘ Agent Program

⌘ Ad hoc committee

⌘ Proposal for the board

⌘ Lead poisoning awareness program at local libraries

⌘ Healthy Homes Initiative

Environmental Health Action Plan

- ⌘ Motivates and activates a community
- ⌘ Leadership at every level is key to success
- ⌘ Put aside individual priorities, opinions, and agendas
- ⌘ The Process is ongoing and continuous

Conclusion



References

1. Wisconsin State Statute 251. Available <http://docs.legis.wisconsin.gov/statutes/statutes/251.pdf> Accessed December 15, 2011.
2. Wisconsin Department of Health and Human Services. Healthiest Wisconsin 2020 health focus areas. Available <http://www.dhs.wisconsin.gov/hw2020/focusareas/profiles.htm>. Accessed December 15, 2011.
3. Wisconsin Population Health Institute. County Health Rankings. Available <http://www.countyhealthrankings.org/wisconsin>. Accessed December 15, 2011.
4. Walworth County Public Health. Environmental health 2010.
5. Wisconsin Electronic Disease Surveillance System. Cumulative report for Walworth County 2009, 2010. March 2011.
6. Walworth County Department of Public Health. Childhood lead poisoning prevention year end summary report. 2010.