Children's Health in the Miami Valley Region

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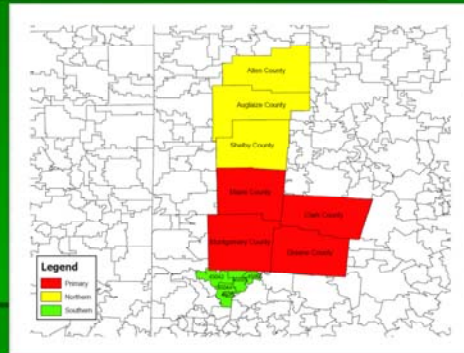
Lead Physician, Lipid Clinic, Dayton Children's Medical Center

Associate Professor, Community Health and Pediatrics

2008 Child Assessment

First two assessments done in 2002 and 2004

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Helmet usage

Child "Always" Used a Helmet While Riding a Bicycle in the Past Year

(Among Parents of a Child Aged 5 to 14 Who Rode a Bicycle in the Past Year)

Legend: 2002, 2004, 2008

◼—◼ Represents a statistically significant difference between joined data points.

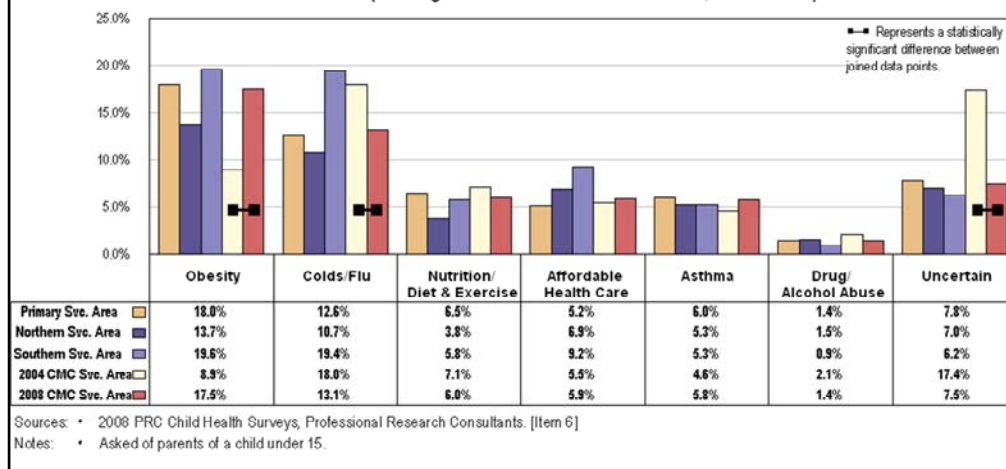| Area	2002	2004	2008
Primary Svc. Area	35.9%	42.9%	46%
Northern Svc. Area	20.4%	22%	23.3%
Southern Svc. Area	25%	34%	52%
CMC Svc. Area	31.9%	38.6%	42.8%
US (5-14)	46.5%	45.4%	43.9%
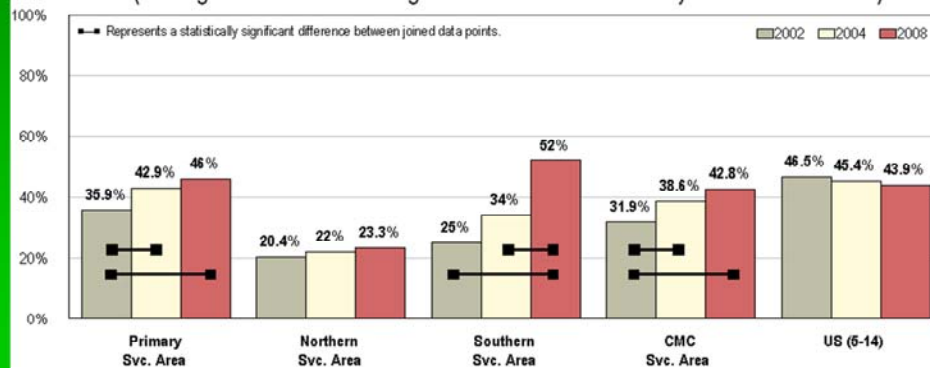
Sources: • 2002, 2004 & 2008 PRC Child Health Surveys, Professional Research Consultants. [Item 66]
• 2008 PRC National Health Survey, Professional Research Consultants

Notes: • Percentages reflect "always" responses given by parents of children aged 5 through 14 who rode a bicycle within the past year.

Parent's perceive child obesity the number one health issue

Perceived Number-One Health Issue
For Children Under 15 in the Community Today
(Among Parents of a Child Under 15; 2008 Data)

■—■ Represents a statistically significant difference between joined data points.

	Obesity	Colds/Flu	Nutrition/ Diet & Exercise	Affordable Health Care	Asthma	Drug/ Alcohol Abuse	Uncertain
Primary Svc. Area	18.0%	12.6%	6.5%	5.2%	6.0%	1.4%	7.8%
Northern Svc. Area	13.7%	10.7%	3.8%	6.9%	5.3%	1.5%	7.0%
Southern Svc. Area	19.6%	19.4%	5.8%	9.2%	5.3%	0.9%	6.2%
2004 CMC Svc. Area	8.9%	18.0%	7.1%	5.5%	4.6%	2.1%	17.4%
2008 CMC Svc. Area	17.5%	13.1%	6.0%	5.9%	5.8%	1.4%	7.5%

Sources: • 2008 PRC Child Health Surveys, Professional Research Consultants. [Item 6]
Notes: • Asked of parents of a child under 15.

Obvious increased awareness of obesity: media, schools, etc. all talking about the issue

23.5 percent of respondents identified obesity, nutrition or exercise as the "number-one" community health issue facing area children younger than age 15.

In comparison with the 2004 findings, this marks a significant increase in mention of obesity as the number-one health issue.
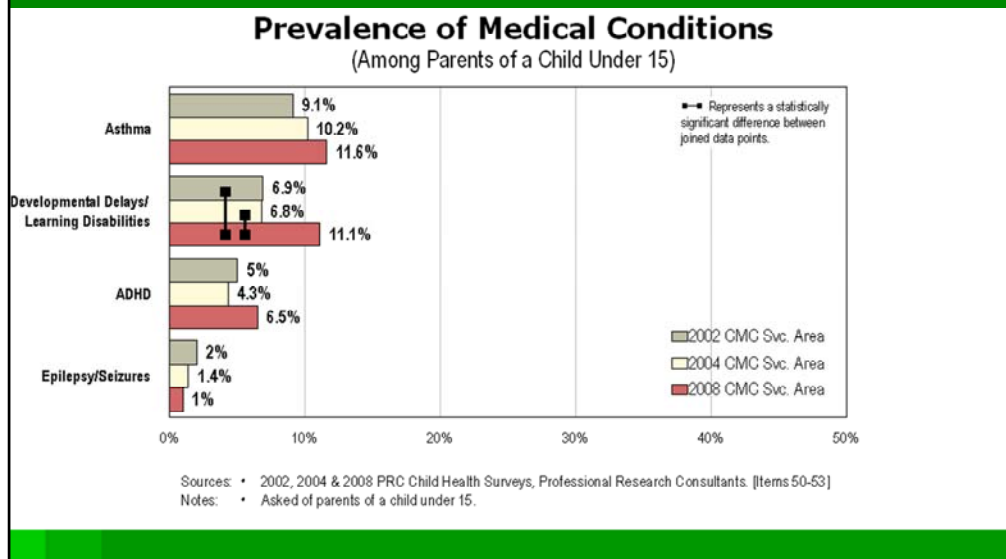
Dr. Kasten thinks increase may partially be due to increase in diagnosis and understanding of autism spectrum

The most prevalent medical conditions among area children: allergies to airborne substances (13.9%), asthma (11.6%), and developmental delays/learning disabilities (11.1%, a significant increase over 2004 findings).

Twenty-five percent of children with asthma and 14.4% of children with airborne allergies missed school in the past year because of their condition.

How big is childhood obesity in the Greater Dayton/Montgomery County/Miami Valley area?

- Montgomery County
- Eleven County totals (Montgomery, Greene, Fayette, Clinton, Warren, Butler, Darke, Miami, Clark, Shelby)

Overweight (BMI>85th%)

- Montgomery County
  - 19,605
- 11 County Region
  - 62, 801

2006 census estimates and NHANES data

Insulin Resistance Syndrome

- Montgomery County
  - 4,455
- 11 County Region
  - 14,366

2006 census estimates, NHANES data, and CMC Lipid Clinic data

- *Approximately 900 children with IRS are followed at Dayton CMC*

Impaired Glucose Tolerance

- Montgomery County
  - 1,294
- 11 County Region
  - 4,173

2006 census estimates, NHANES data, and Sinha's 2002 data

- *Approximately 200 children with impaired glucose tolerance are followed at Dayton CMC*

Type II Diabetes

- Montgomery County
  - 98
- 11 County Region
  - 316

2006 census estimates, NHANES data, and Sinha's 2002 data

- *Approximately 100 children with T2DM are followed at Dayton CMC*

Questions