

## SPECIAL REPORT FOR INTERACTIVE MAPS, NEIGHBOURHOOD RANKINGS AND SLIDE SHOWS, VISIT CODE RED AT THESPEC.COM

## Mental illness: poverty's dark side

BY STEVE BUIST

Dr. Walter Owsianik digs into his breakfast, then gets straight to the heart of the matter.

"I see a lot of folks who are poor and mentally ill," said Owsianik, a family doctor who has spent three decades practising medicine in Hamilton's North End.

"We have a huge mental-illness population down in the core."

The Spectator's massive health mapping project of Hamilton neighbourhoods backs up Owsianik's blunt assessment.

The 10 neighbourhoods with the highest rates of psychiatric-related emergency-room visits are all concentrated in a central chunk of the lower city ranging from Queen Street to Wentworth Street, and from Aberdeen Avenue to just north of Barton Street.

At one extreme is the poor inner-city neighbourhood that lies between Queen Street North, Cannon Street West, James Street North and the rail line north of Barton Street.

Here, the rate of psychiatric-related emergencies was 88 for every 1,000 people in the neighbourhood.

At the other extreme is the wedge-shaped rural Flamborough neighbourhood between Highway 8 and Middletown Road, where the rate of psychiatric-related emergencies was just 2.6 per 1,000 people.

That's a startling difference of 34 times from highest to lowest across the city.

Like so many other health factors measured in this project, there are clear connections between high rates of psychiatric emergencies and poverty.

The five neighbourhoods with the highest rates of psychiatric-related emergencies are also the five neighbourhoods with the lowest median incomes per person in all of Hamilton.

A closer look at the data shows the important intersection between physical health, mental health and social factors.

■ Five of the top 10 neighbourhoods with the highest rates of psychiatric emergencies were also among the top 10 for the highest rates of overall emergency-room visits.

■ Five of the neighbourhoods with the highest rates of psychiatric emergencies were also among the 10 highest rates of urgent hospital admissions.

■ The top 27 highest rates of psychiatric-related emergencies are all found in the former City of Hamilton, and 25 of those are located in the lower-central city.

Colour in a map with those 25 neighbourhoods and you'd cover almost the entire lower city from Gage Avenue to Highway 403, from the waterfront to the foot of the Mountain.

Take those same 25 lower-city neighbourhoods with high rates of psychiatric emergencies and 22 of them show up among the top 30 highest rates of people living below the poverty line.

One of the strongest connections that shows up is the link between psychiatric-related emergencies and the rate of people who report having no family physician when they visit emergency departments.

In fact, the five neighbourhoods with the highest rates of psychiatric-related emergency visits also make up the top five neighbourhoods of people reporting no family physician, when two student-dominated neighbourhoods are stripped out of the data.

"There's a core group of people that call all the time for the same type of mental health issues, and you recognize them as soon as you pull up," said Jessica Bartley, a paramedic who works exclusively in Hamilton's inner-city neighbourhoods.

"You see them all the time, you know them by name, you know what they're like, you know their birthdate, you know where they live if they have a residence."

The James-to-Queen Street neighbourhood with the highest rate of psychiatric-related emergencies is a prime example of how mental health collides with a number of other poor health and social outcomes.

In addition to having the highest psychiatric emergency rate, that same neighbourhood suffers from the fourth-lowest



GARY YOKOYAMA, THE HAMILTON SPECTATOR

A residential area (Queenston Road at Red Hill Parkway) where Mayor Fred Eisenberger grew up. Census tract 0071 ranks 121st out of 130.

## CODE RED

WHERE YOU LIVE AFFECTS YOUR HEALTH

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**DAY 7:** What's next? Finding answers

**ON THE WEB:** Visit [thespec.com](http://thespec.com) for a video of Dr. Walter Owsianik talking about his practice in the North End. And Dr. Jennifer Brasch, director of psychiatric emergency services at St. Joseph's Healthcare, gives a tour of the psych section in the hospital's ER department. Also, read the full script of yesterday's Spec Live Q&A with series writer Steve Buist.

median income per person in Hamilton, the fifth-highest rate of people reporting no family physician, the sixth-highest rate of emergency-room visits, the ninth-highest rate of children living below the poverty line and the 10th-highest rate of female single-parent families.

This is no great surprise to Owsianik, who deals with these types of complex, overlapping problems on a daily basis.

"I've had patients who have purposely camped out for the summer," he said. "It blows me away that they would choose to live in the woods, but when you're mentally ill, you may have a paranoia that someone in the house is going to kill you so you prefer the woods or the streets."

"You get a bit discouraged by all this but I feel that I'm trying to do my bit to make their lives a little less painful. Short of taking them home with you..." he paused, then added: "I don't know. That's what some of them need, a family and a mother."



Meet Dr. Jennifer Brasch, director of psychiatric emergency services at St.



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Dr. Walter Owsianik has practised in Hamilton's North End for three decades: "We have a huge mental-illness population down in the core."

Joseph's Healthcare in Hamilton.

It's a service, she admits, that seems to get busier with each passing year.

In the past 15 years, Brasch said, the percentage of psychiatric emergency patients who need to be admitted to hospital has increased from 25 per cent to more than 40 per cent.

That's a sign that the psychiatric cases showing up on St. Joe's doorstep are more complex and difficult to treat.

One of the key issues is the lack of a

family physician for these patients.

"They don't have access to a family physician so when they know they need mental health care, they have to go to the emergency room and they try not to do that until they are in crisis," said Brasch. "People rarely come to the emergency room saying 'I know I'm getting depressed, can you help me before I hit rock bottom?'"

"If they had a family doctor, they'd do that."

"As an emergency psych service, we see people who are in crisis primarily," Brasch added. "It's fairly rare for someone to get to us who's not in crisis."

Brasch then talks about the circular nature of the problems faced by people with mental health issues.

They may not be able to work, which means they rely on social assistance, which often leads to living below the poverty line, which means living in places with low rents, which means living in neighbourhoods with higher crime rates and drug use and fewer resources, which perpetuates mental illness.

"Many of the people we see from these neighbourhoods have no resources and have very little resilience and struggle

### HOW WE DID IT

The Spectator, in collaboration with health researcher Neil Johnston, obtained nearly 400,000 anonymized records representing hospital admissions and emergency-room visits for every person listing Hamilton as a home address, for the period April 1, 2006, to March 31, 2008.

The records were grouped into geographic areas called census tracts, roughly equivalent to city neighbourhoods. Census tracts are used by Statistics Canada to measure a wide variety of social, economic and health variables within urban regions of Canada. For this project, there were 130 usable census tracts for the amalgamated City of Hamilton.

Twelve health variables and 12 social and economic variables were chosen. With the help of McMaster University mapping expert Patrick DeLuca, maps were created for each variable, showing the differences between Hamilton's 130 neighbourhoods. Also created was a death statistics map and an overall ranking map.

The maps, rankings and rates were then analyzed to examine the connections between health and socioeconomic variables in Hamilton's neighbourhoods.

"IT'S A WHOLE LOT easier to get crack than to get into a crack treatment program. If you're somebody who wants access to something like (crack), you make a telephone call and I'm sure it's there in 15 minutes. We don't offer treatment that way."

— Dr. Jennifer Brasch, director of psychiatric emergency services at St. Joseph's Healthcare in Hamilton