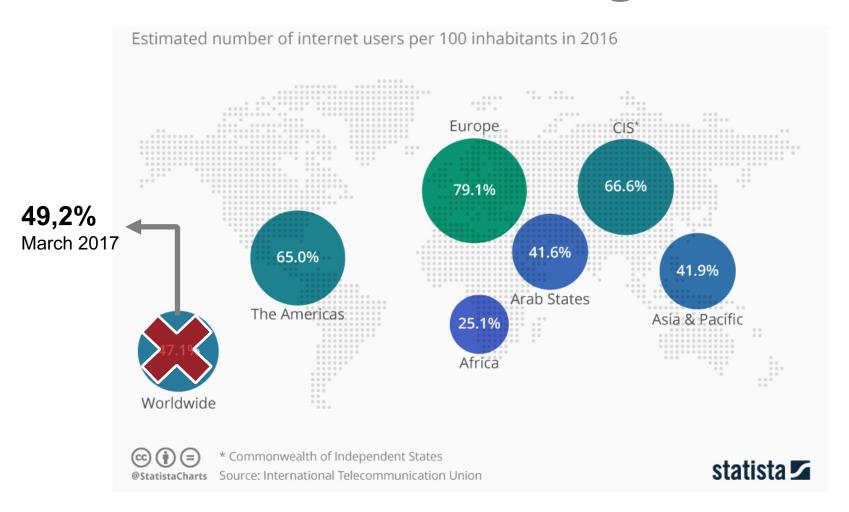








Internet usage

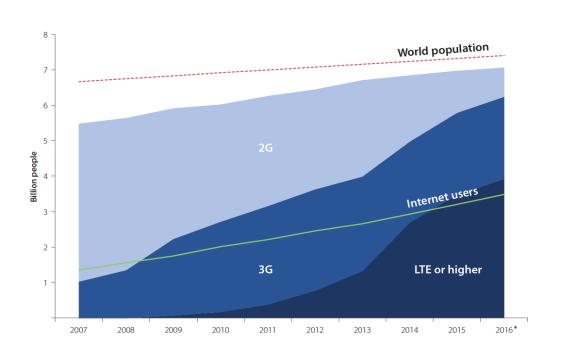






Internet usage

Mobile network coverage and evolving technologies



95% of the global popultation live in a mobile-cellular network's area.

Health-related information

4.5% of all searches

Source: ITU.

Note: * Estimates. Mobile network coverage refers to the population that is covered by a mobile network.

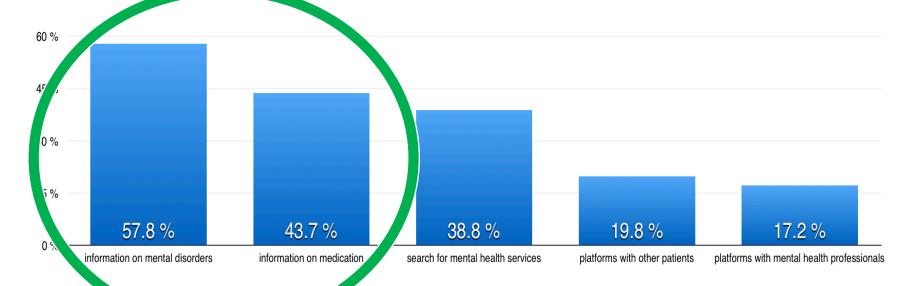
Eysenbach, G., & Köhler, C. (2003). What is the prevalence of health-related searches on the World Wide Web? Qualitative and quantitative analysis of search engine queries on the Internet. Proceedings of the AMIA Symposium 2003:225–22





Mental health Internet usage

- Psychiatric disorders do influence the way the Internet is used
- Research type :



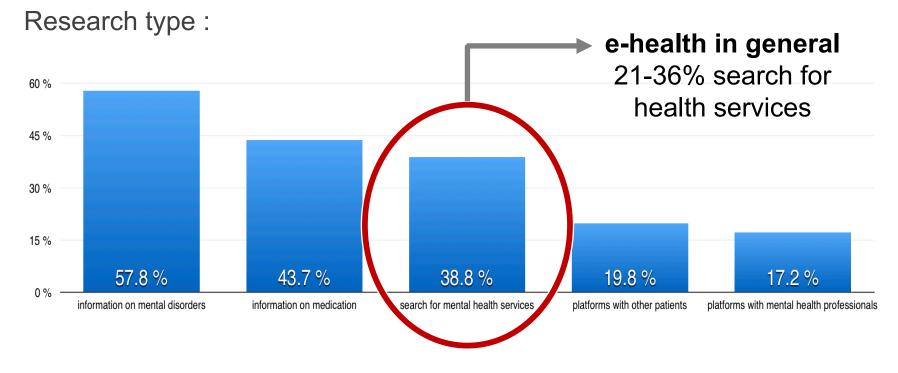
Fox S, Fallows D. Internet Health Resources. Health Sc... See the Section of the





Mental health Internet usage

Psychiatric disorders do influence the way the Internet is used



Anderson JG. Consumers of e-health. Patterns of use and barriers. Soc Sci Comput Rev 2004; 22: 242-8





Stigma and Internet use

- The Internet is the first step for obtaining information or initiate contact with a physician.
- Mental health care facilities are also stigmatized
 - deviation heterotopias (Foucault):



places in which people differing from the norms were placed

WHO invite to take measures to reduce stigmatization and discrimination

Foucault, M. (2001). Dits et écrits 1984. Des espaces autres, (360), 752-762.

Kennedy, R., Hegerl, U., Bussfeld, P., et al. (2001). Conference report. Psychiatry via the Internet: benefits, risks, and perspectives. Presented the First International Symposium on the Internet and Psychiatry, Munich, Germany. Available: www.medscape.com/viewarticle/414643 print. Europe, W. H. O. (2008, June). European Pact for mental health and Well-being. In EU Highlevel conference "Together for mental health and wellbeing": Brussels.

Stuart H. Fighting stigma and discrimination is fighting for mental health. Can Pub Policy 2005;31.





Stigma conséquences

↓ life quality



Decreased self-esteem
Stress
Isolation
Marginalization

↓ chances of healing



Difficulty to get care
Treatment cessation
Lack of information

↓ social integration

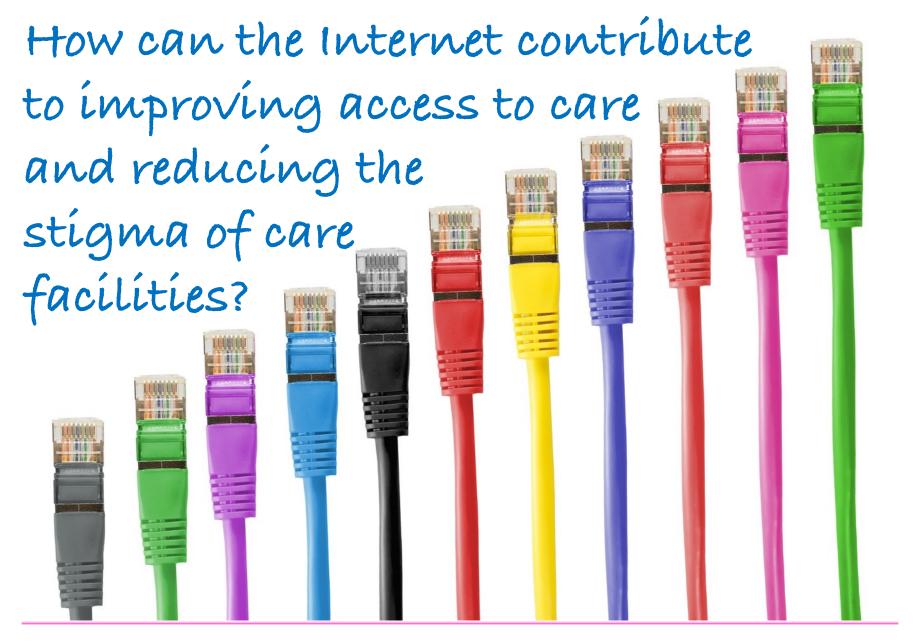


Problems of social adaptation
Housing problems
Exclusion from the professional world

Stuart H. Fighting stigma and discrimination is fighting for mental health. Can Pub Policy 2005;31





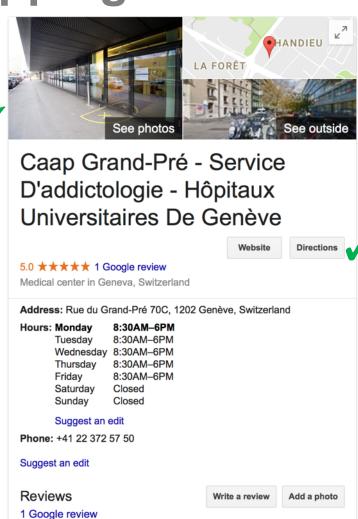






Collaborative web mapping in health









Web mapping and access to care

- Influence the perception of the place
- Improve the customer experience
- Instant 24 hour access to health center information
- Easiness to retrieve relevant information





Web mapping and destigmatizing action

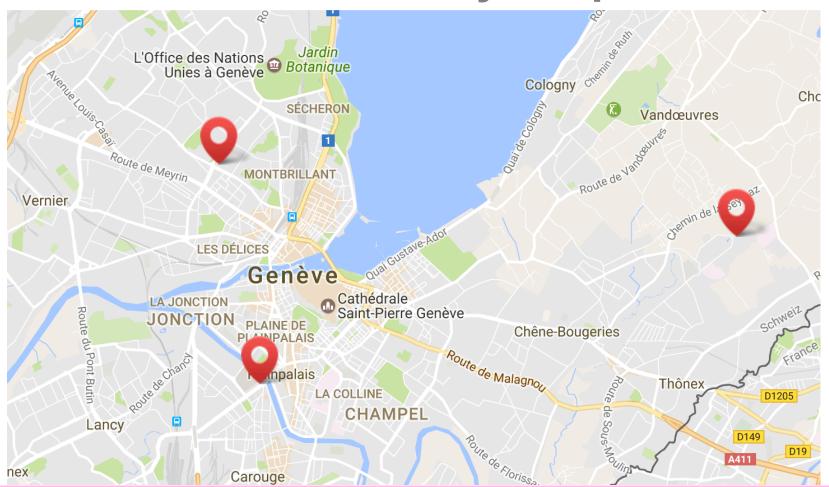
- Shows places as they are
- Breaking the asylum vision
- Showing beauty → reassurance

Review: The impact of art, design and environment in mental healthcare: a systematic review of the literature. Norma Daykin, Ellie Byrne, Tony Soteriou and Susan O'Connor. The Journal of the Royal Society for the Promotion of Health 2008 128: 85. DOI: 10.1177/1466424007087806. The online version of this article can be found at: http://rsh.sagepub.com/content/128/2/85





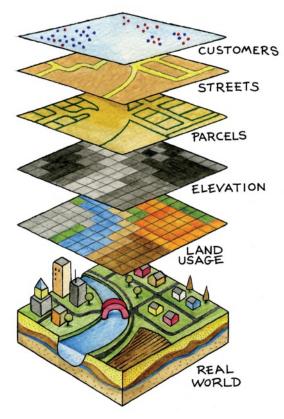
The experience at the Geneva university hospitals







GIS Geographic Information Systems



API
Application Programming
Interface































79.000.000





réelle empathie et traitement des plus avant gardiste tel que prescription d'héroïne qui apporte ur conditions de vie des usagers et parfois pour certains leur sauve la vie sans oublier la contributio criminalité



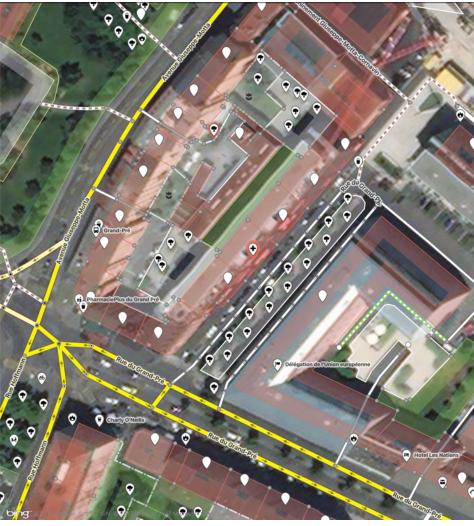
Nielsen (2014, December 18). Tops of 2014: Digital. Retrieved March 20, 2017, from http://www.nielsen.com/us/en/insights/news/2014/tops-of-2014-digital.html





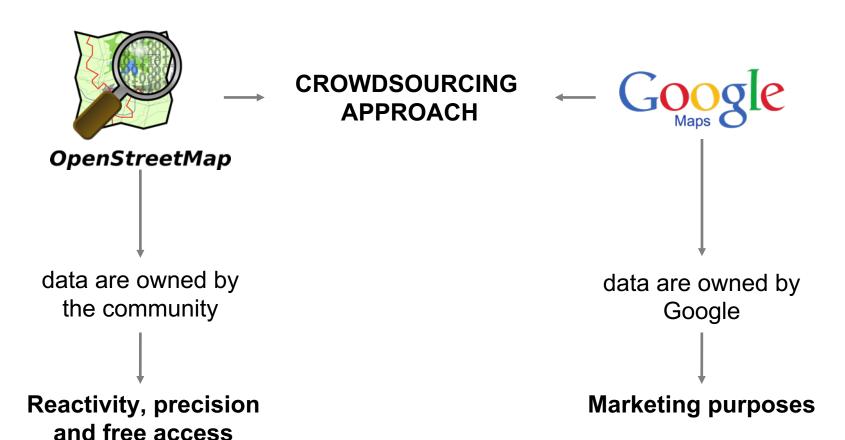


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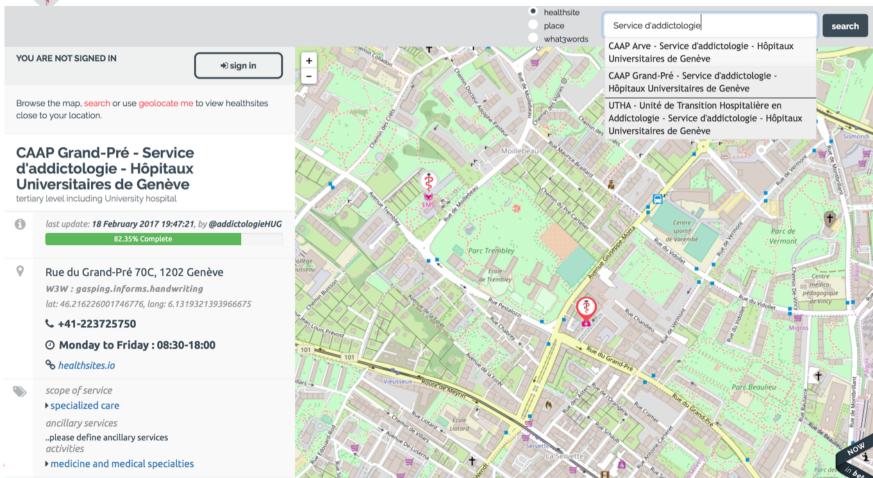
Buczkowski, A. (2016, January 26). Why would you use OpenStreetMap if there is Google Maps? Retrieved March 20, 2017, from http://geoawesomeness.com/why-would-you-use-openstreetmap-if-there-is-google-maps/





Health specific map systems









What was the impact of adding our health centers to these maps services?

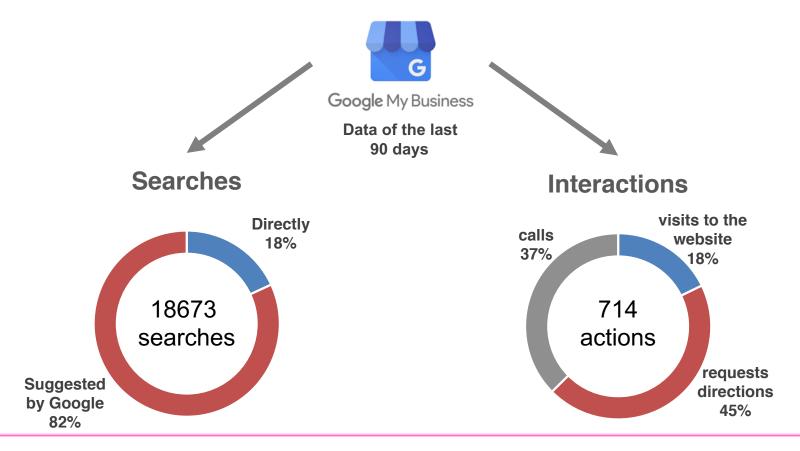






Photo Impact and interactivity







Photo Impact and views on Google Maps and Google Search

GRAND-PRÉ				ARVE							
Google Maps		Google Search		Google Maps			Google Search				
Before	After	p-val	Before	After	p-val	Before	After	p-val	Before	After	p-val
53.9 (27.4)	73.2 (28.8)	0.003807	92.8 (44.1)	121.4 (48.6)	0.009277	66.4 (35.5)	92.0 (47.8)	0.01278	93.3 (43.9)	103.5 (50.4)	0.3517
Increase of 35.8%		Increase of 30.8%		Increase of 38.5%		Increase but not statistically significant					

Mean (s.d.)





Call Impact

In the past 3 months, 267 phone calls made from Google

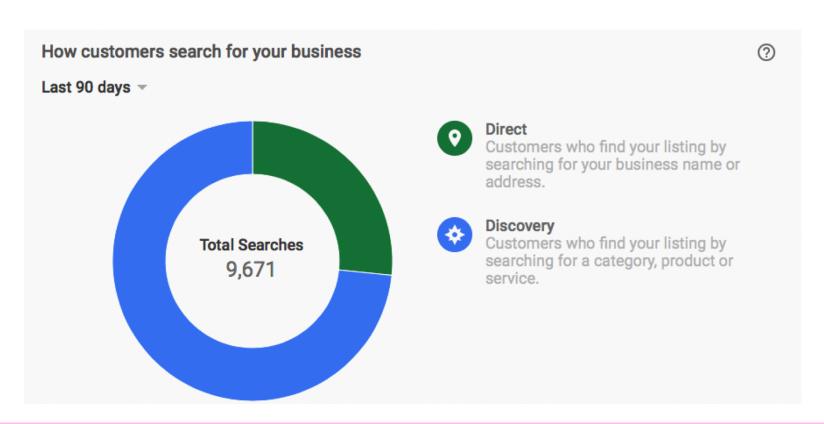






How do we circumvent the limitations imposed by Google?

Google does not allow raw data exportation







How do we circumvent the limitations imposed by Google?

Google limits the history to 90 days









Conclusions

- Internet help psychiatric patients and relatives for obtaining informations about care.
- Searches on health centers take an important place.
- Map systems services can improve accessibility and reduce stigmatization.
- Photos improve the number of views of mental health centers.







http://addictohug.ch/



https://facebook.com/addictologieHUG/



https://twitter.com/addictologiehug



https://linkedin.com/company/service-d'addictologie



https://youtube.com/channel/UCVhK2ZmXqSqWqR3rtgGHvpA/videos



http://hug-ge.ch/addictologie



