

Motorized Traffic and Health: Interventions to Mitigate its Impacts

CPHA

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Edmonton, Alberta



Centre de collaboration nationale
sur les politiques publiques et la santé
National Collaborating Centre
for Healthy Public Policy

Institut national
de santé publique
Québec 

NCCHPP, one of six National Collaborating Centres for Public Health



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A long project



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A long project



Source:
Archives Ville de Montréal



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A long project



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Archives Ville de Montréal



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A long project



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A long project



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... that has been very effective

20 million vehicles and 332 billion vehicle-kms travelled in 2007*

All trips exclusively by car: 74%**

At least one active trip in a day: 19%**

Workers' trips by bike: 1.3%***

Modal shares in urban centres: 12% biking and walking****

*Natural Resources, Canada (2009)

**Statistics Canada (2008)

***Pucher (2011)

****Pucher and Dykstra (2003)



... that has created a lot of good



Source: Wikimedia
Photograph: Bhaskaranaidu



Source: Wikimedia
Author: The Sun and Doves



Source: Wikimedia
Photographs: Joanne et Matt



Source: Wikimedia
Photograph: Mark McArdle



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... that has produced a lot of employment in health and public health



Source: Wikimedia
Photograph: Tomo_suzuki



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Photograph: Zakysant



Source: Wikimedia
Photograph: Dr. Eugen Lehle



Source: Wikimedia
Photograph: Fuzzytnt3



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... that has produced interventions
to mitigate its impacts



Source: Wikimedia
Author: Fgrammen



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...that has produced interventions
to mitigate its impacts



Source: Wikimedia
Photograph: Richard Drdul

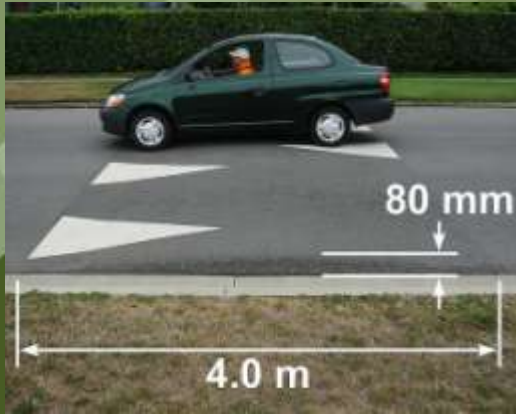


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...that has produced interventions
to mitigate its impacts



Source: Wikimedia
Photograph: Richard Drdul



Source: Wikimedia
Photograph: Argebelot



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Photograph: Richard Drdul



...that has produced interventions to mitigate its impacts

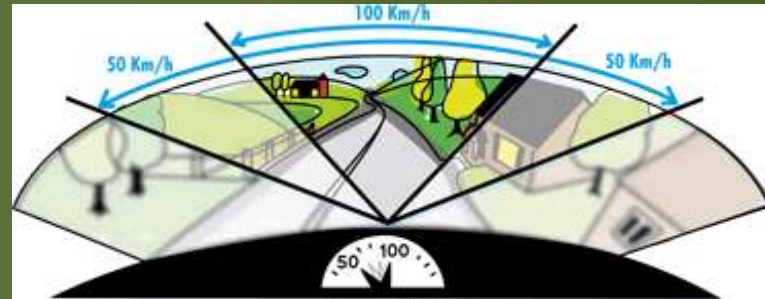


Source: Commune de Koeniz (Switzerland). On the left, a section of the through road/main street before the intervention. Passage priority is to motor vehicles and speed is limited to 50km/h. On the right, priority is to the pedestrian, one traffic lane has been withdrawn and speed is limited to 30km/h. This public way carries more than 20 000 vehicles per day.

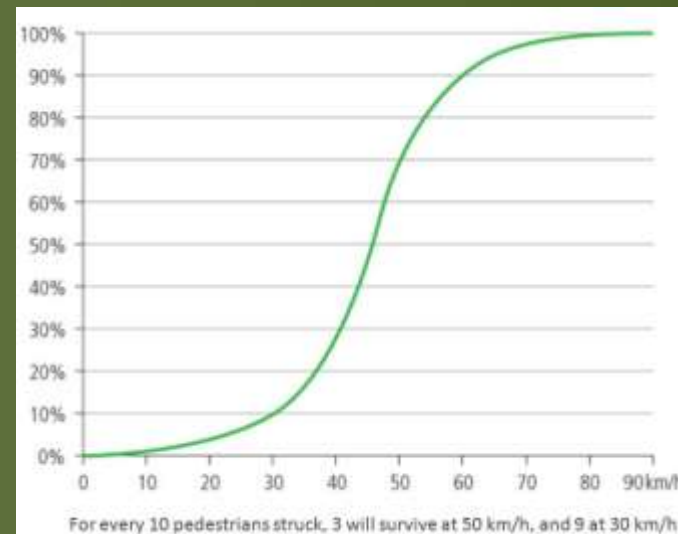


Action on speed

Normalized speed:
50km/h and more



Source : Société de l'assurance automobile du Québec.



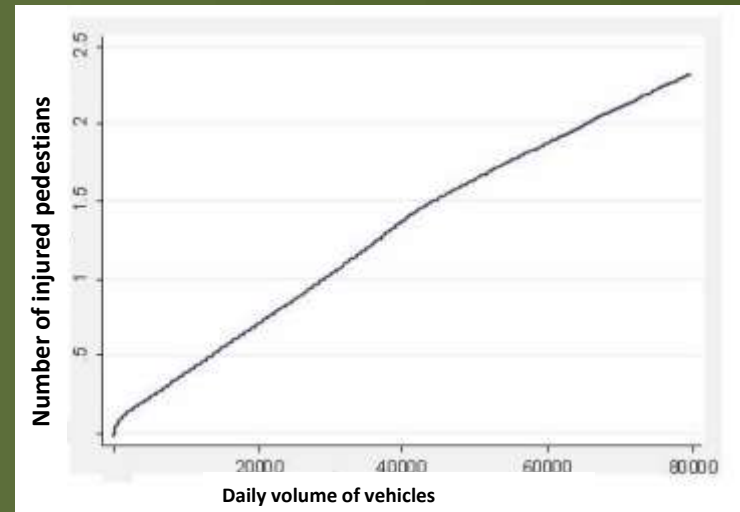
Source : Bureau de prévention des accidents, 2008.



Action on volumes



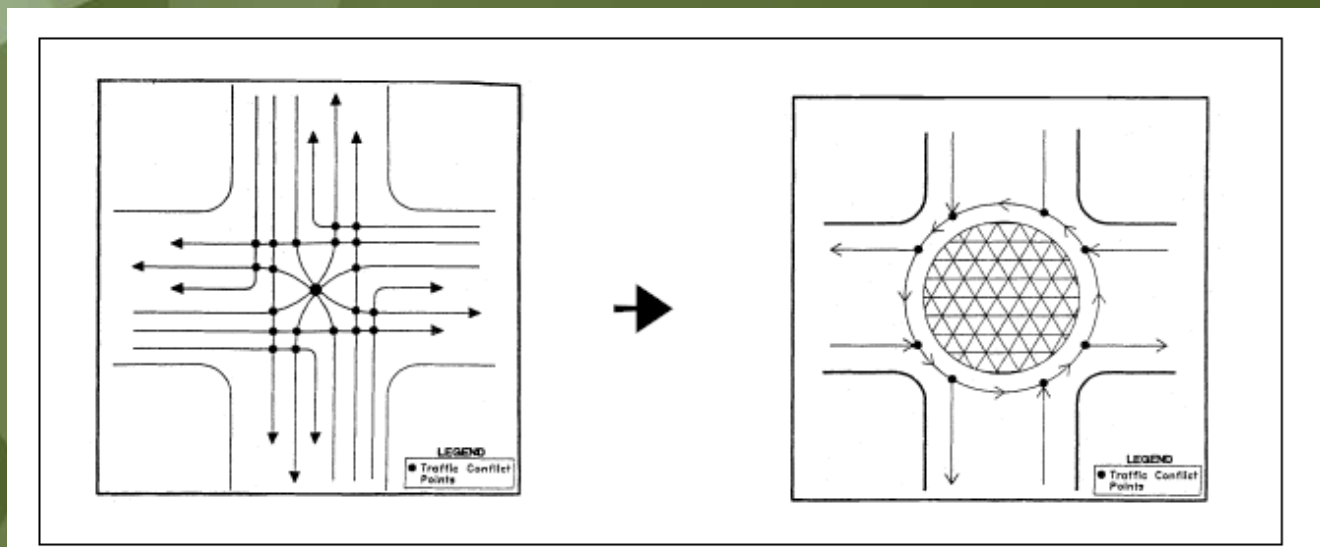
Source: Wikimedia
Photograph: Floydian (talk)



Analysis: P. Morency, C. Plante, M. Fournier. Direction de santé publique de Montréal



Action on conflict points



Sources : Stein, Kittelson, Newton et Hottmann, 1992, p. 43 in Ewing, 1999, p. 111.



Each intervention

Presentation

1. What is?
2. Effects on health determinants
3. Implementation conditions
4. Political dimensions

Workshop

