



STERINOV

GETTING GREENER





INTRO

The Carbon Footprint of the Healthcare System in Canada

The healthcare system is one of the worst contributors, responsible for an estimated 4.6% of national greenhouse gas emissions, more than the aviation and maritime sectors combined.

Sources: Eckelman MJ, Sherman JD, MacNeil AJ. Life Cycle Environmental Emissions and Health Damages from the Canadian Healthcare System: An economic-environmental-epidemiological analysis. *PLOS Medicine*. 2018 July 31; 15(7).

According to data reported by the *Synergie Santé Environnement* group, if the healthcare system were a country, it would be the world's fifth largest emitter of greenhouse gases (GHGs).



Sources: HEALTH CARE'S CLIMATE FOOTPRINT-Health Care Without Harm Climate-smart health care series
Green Paper Number One



Hospital waste reduction in 3 parts...



3 PARTS

- 1. Reducing hospital waste at source.**
- 2. Reducing hospital waste during preparation and administration.**
- 3. Reducing the quantity of drugs destroyed in hospitals: unused magistral preparations, including controlled substance preparations.**



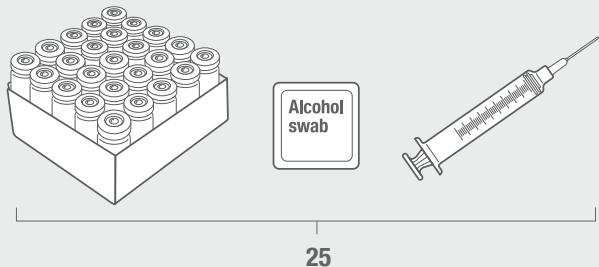
WASTE REDUCTION

30%

46%

62%

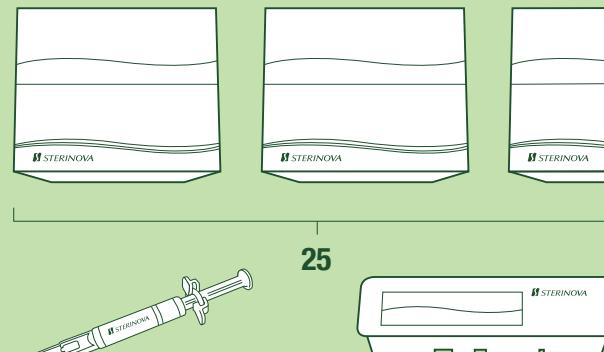
Heparin 5 000 U
in 0.5 mL
25 vials



Total weight after administration

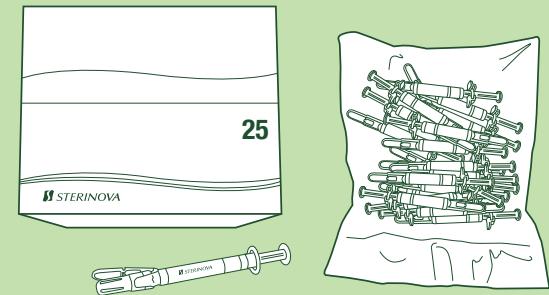
478 g*

Heparin 5000 U in 0.5 mL
Blister Format
25 syringes



336 g

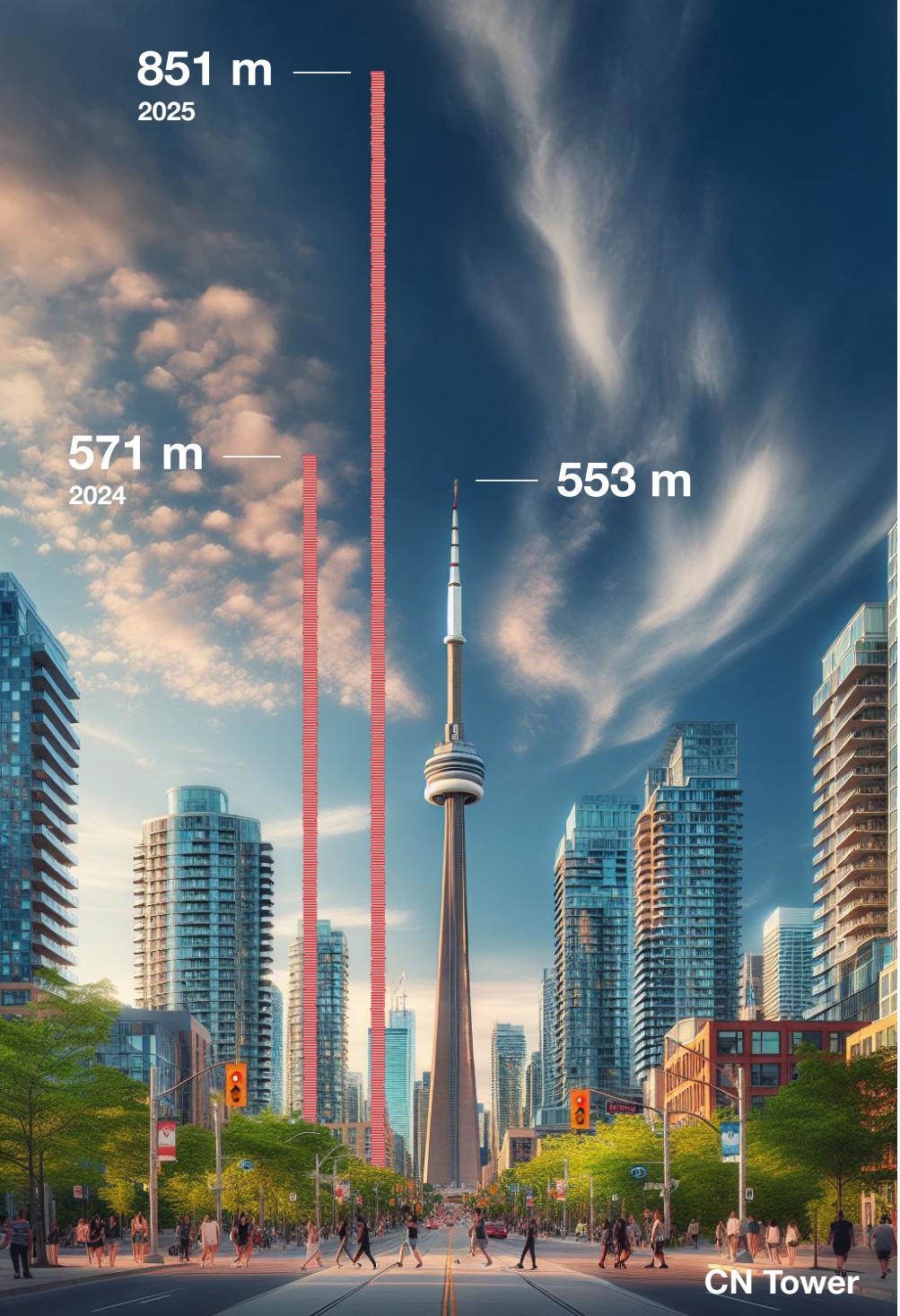
Heparin 5 000 U in 0.5 mL
Bulk Format
25 syringes



181 g

* Weight of vials, alcohol swab, syringe and needle may vary according to supplier.

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CN Tower



In 2025, here is the amount of waste saved by hospitals that chose the bulk format in Canada:

21 270 boxes!

212 700 blisters!

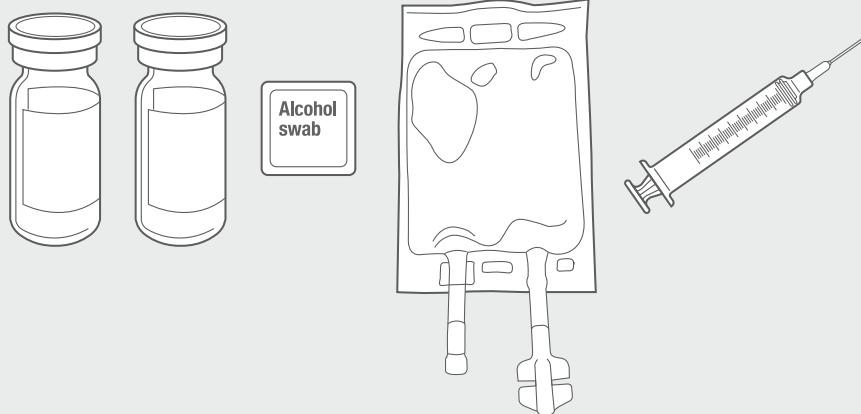
28% of our heparin sales are now in bulk — that is a 11% increase compared to 2024!

Let us keep the momentum going — [Choose bulk](#) and help drive change!

WASTE REDUCTION → 83%



100 mL bag prepared from
2 vials of 10 mL IV sedative

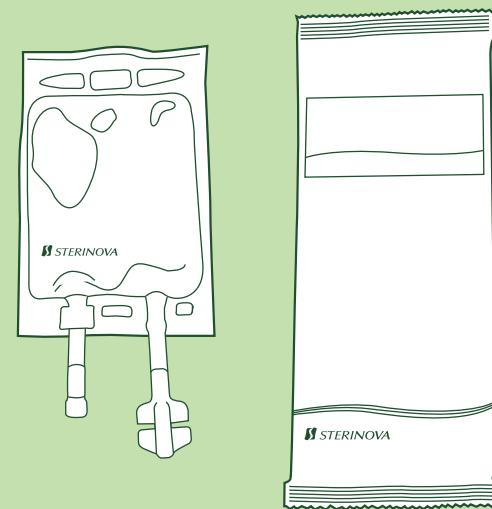


211 g*

Total weight after administration

36 g

Sterinova 100 mL IV sedative bag



*Weight of vials, alcohol swab, syringe and needle may vary according to supplier.

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CONCLUSION

Sterinova takes concrete actions and offers solutions to hospitals concerned about their GHG emissions

- 3 ways to reduce waste
- Clinical and economic impact: RTA products were associated with a 94% decrease in medication errors and saved \$2,871,889 annually compared to the traditional vial and syringe method, based on an analysis conducted in hospital inpatient units¹
- Manufacturing in Montreal (Local & eco-responsible purchasing) Made in Canada 
- Transportation optimization: One shipment per week 

1. Arora A, Muehrcke M, Hertig JB. Pain Ther. 2022; 11:937-50. <https://doi.org/10.1007/s40122-022-00402-z>