



Hospital waste reduction in 3 parts...



The carbon footprint of healthcare in Canada

Healthcare accounts for around 4.6% of national greenhouse gas emissions.

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 et Environnement group, if the healthcare sector 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

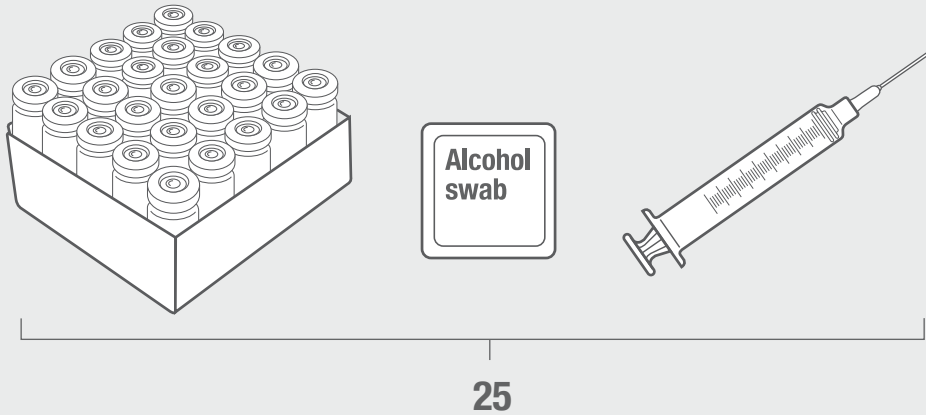


3 PARTS



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

Heparin 5 000 U in 0.5 mL 25 vials

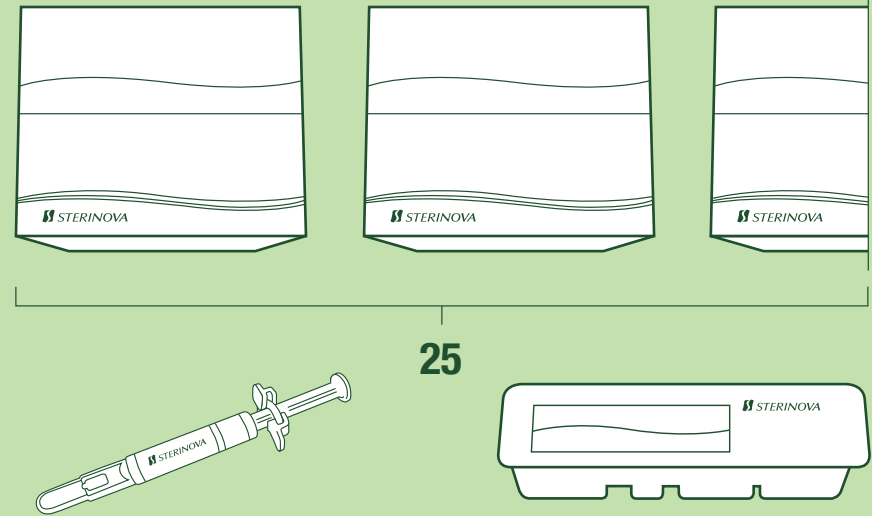


478 g*

Total weight after administration

336 g

Heparin in blister 25 syringes

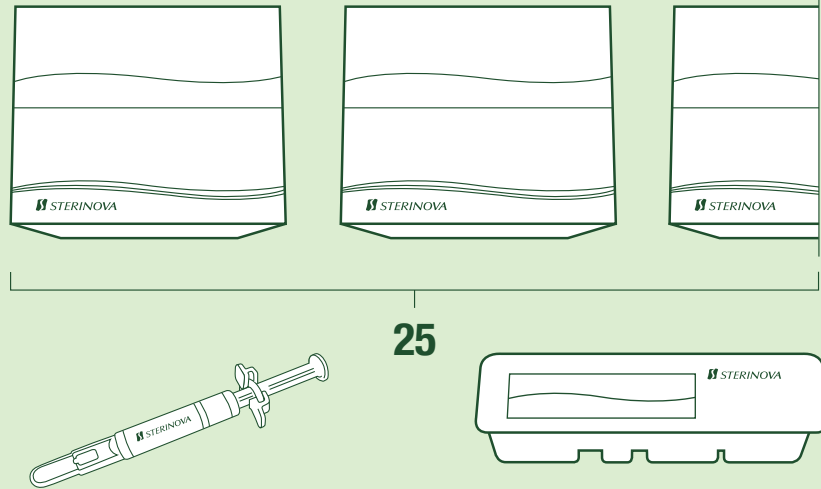


WASTE REDUCTION

30%

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

Heparin in blister 25 syringes



348 g

Weight: Including packaging and solution

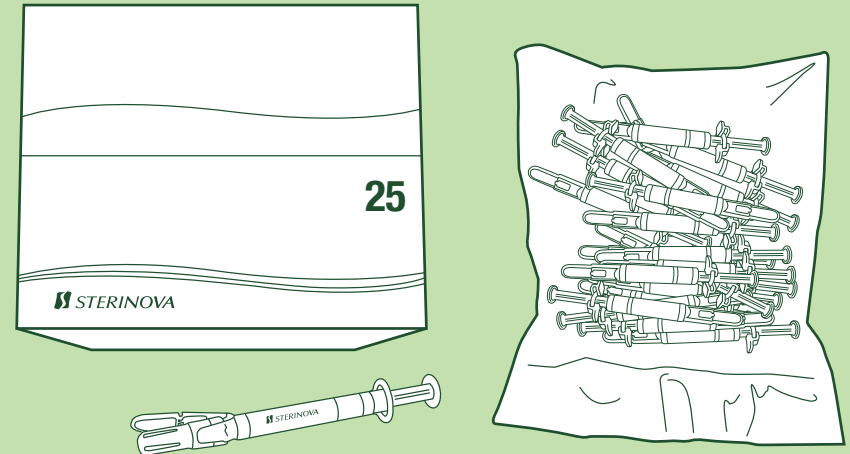
193 g

336 g

Total weight after administration

181 g

Bulk Heparin 25 syringes



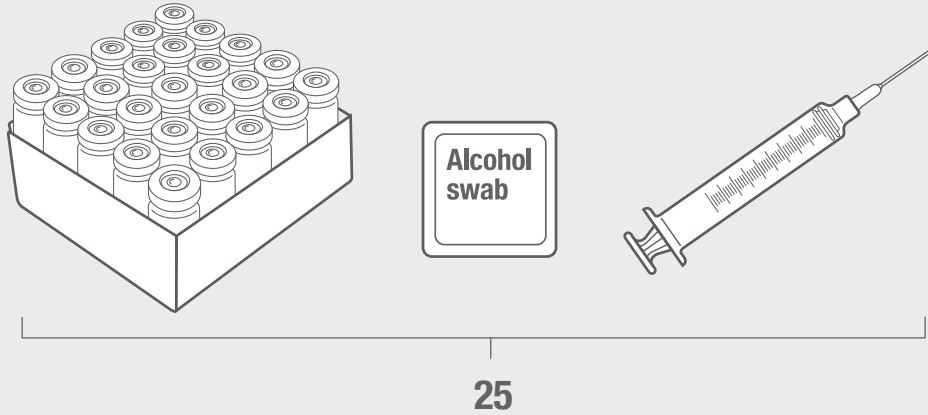
WASTE REDUCTION

46%

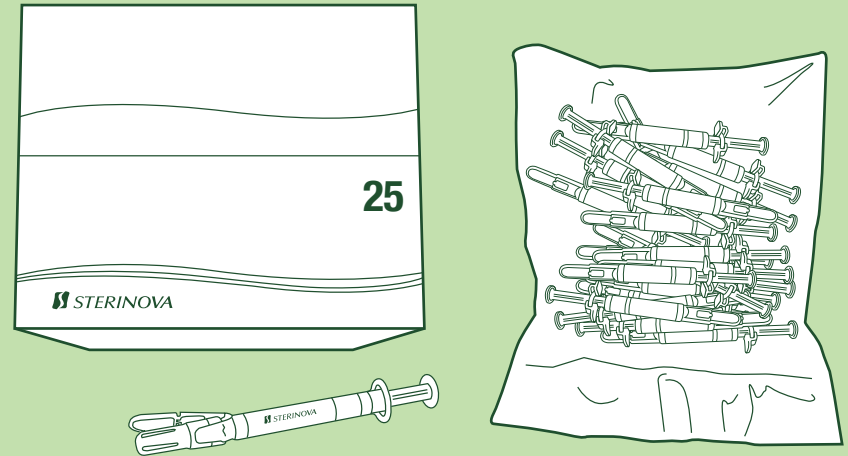


* Weight of vials, alcohol swab, syringe and needle may vary according to supplier.

Heparin 5 000 U in 0.5 mL 25 vials



Heparin 5 000 U in 0.5 mL bulk 25 syringes



490 g*

Weight: Including packaging and solution

193 g

478 g*

Total weight after administration

181 g



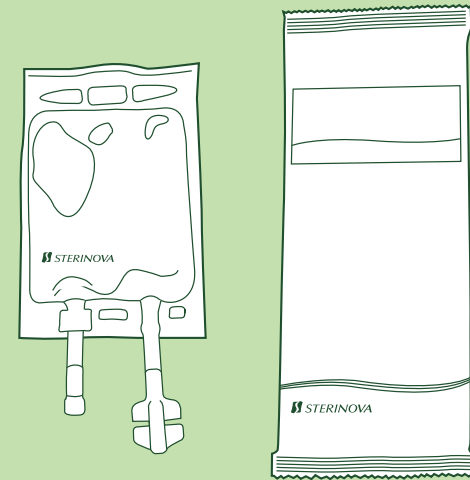
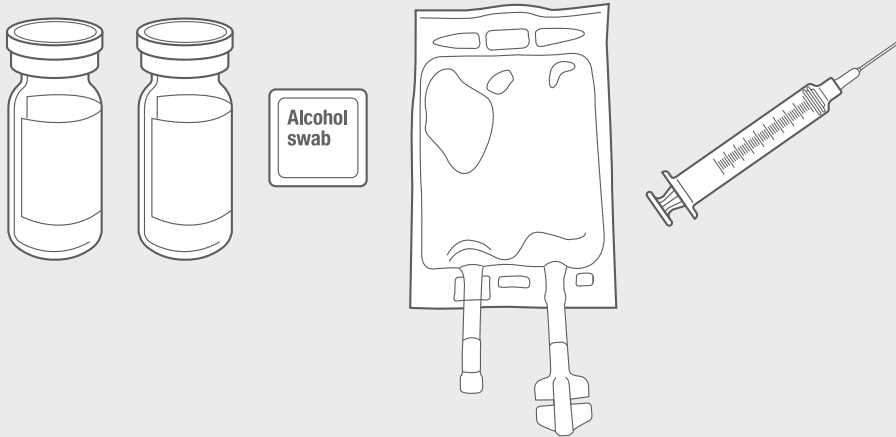
WASTE REDUCTION

→ 62%

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

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

Sterinova 100 mL IV sedative bag



311 g*

Weight: Including packaging and solution

136 g

211 g*

Total weight after administration

36 g



WASTE REDUCTION

83%

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



CONCLUSION

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

- **3 ways to reduce waste**
- **Manufacturing in Quebec-Canada (Local & eco-responsible purchasing)**
- **Transportation optimization: One shipment per week**