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MEDICAL WASTE MANAGEMENT

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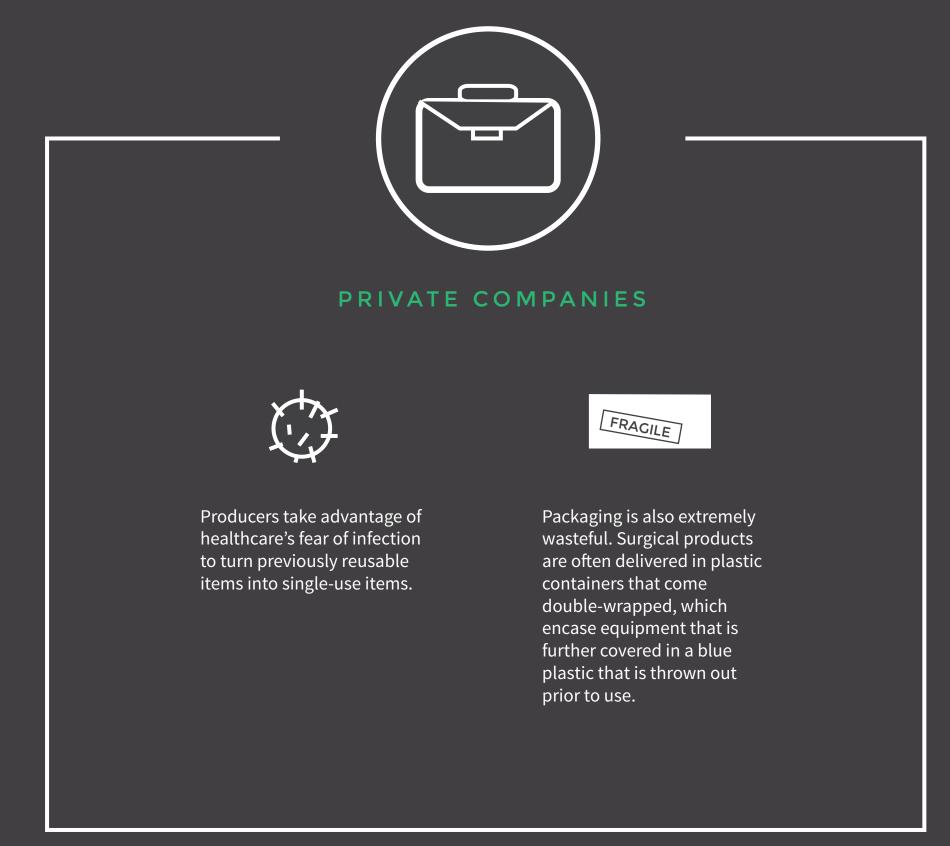
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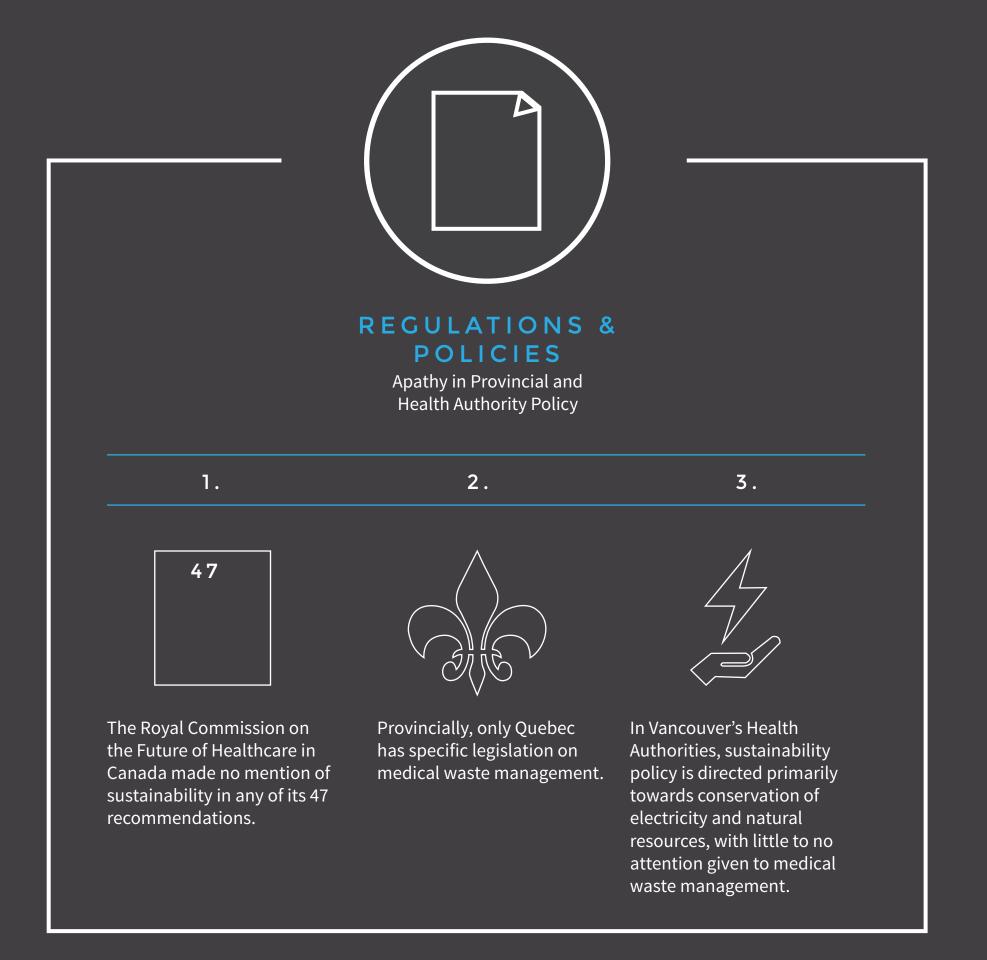
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THE PROBLEM BREAKDOWN











GAP: Lack of collaboration between NGOs and companies or hospitals

LEVERS OF CHANGE:

1.
Create
partnerships
with local
hospitals

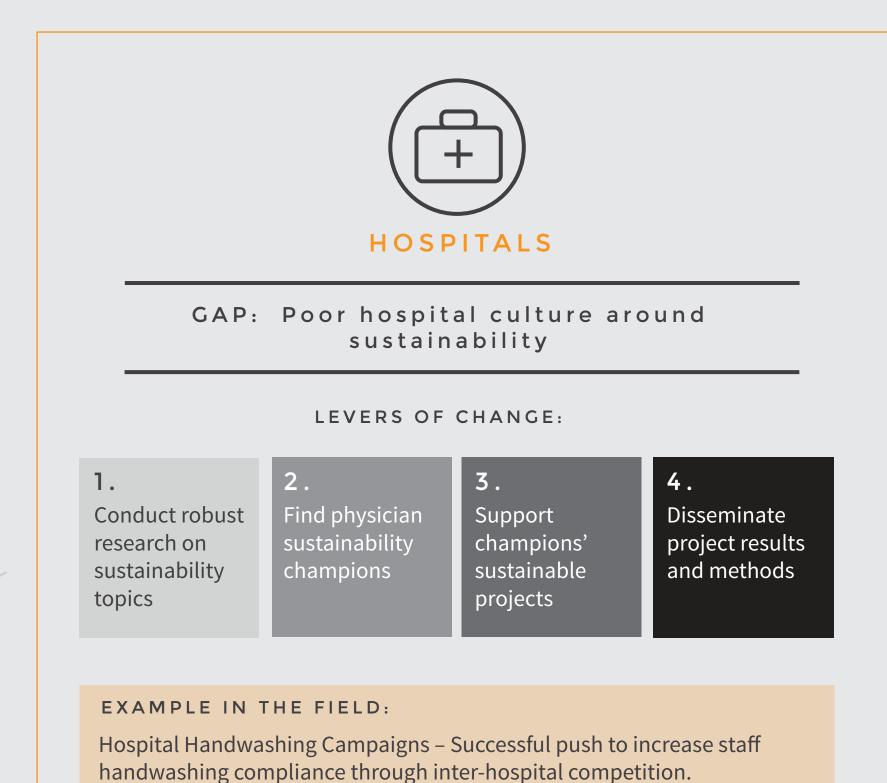
2.
Make platform for hospital collaboration

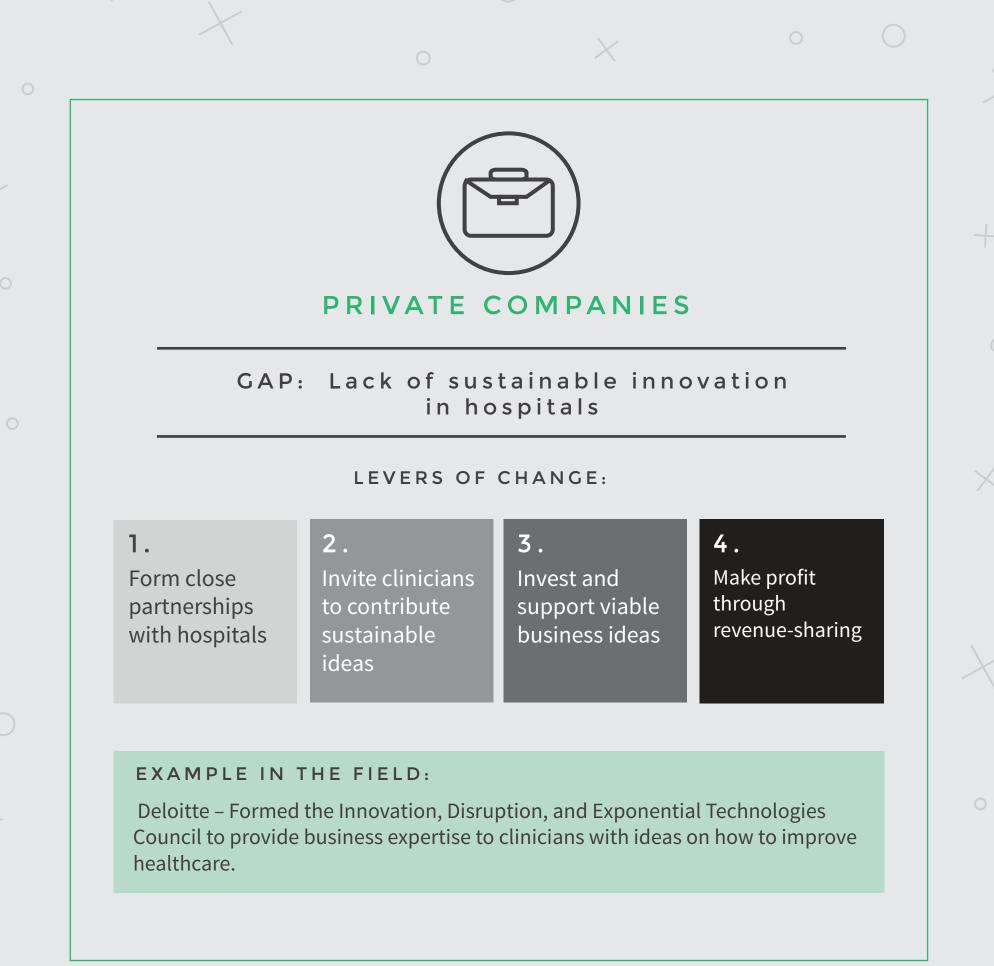
3.Invite select companies to join platform

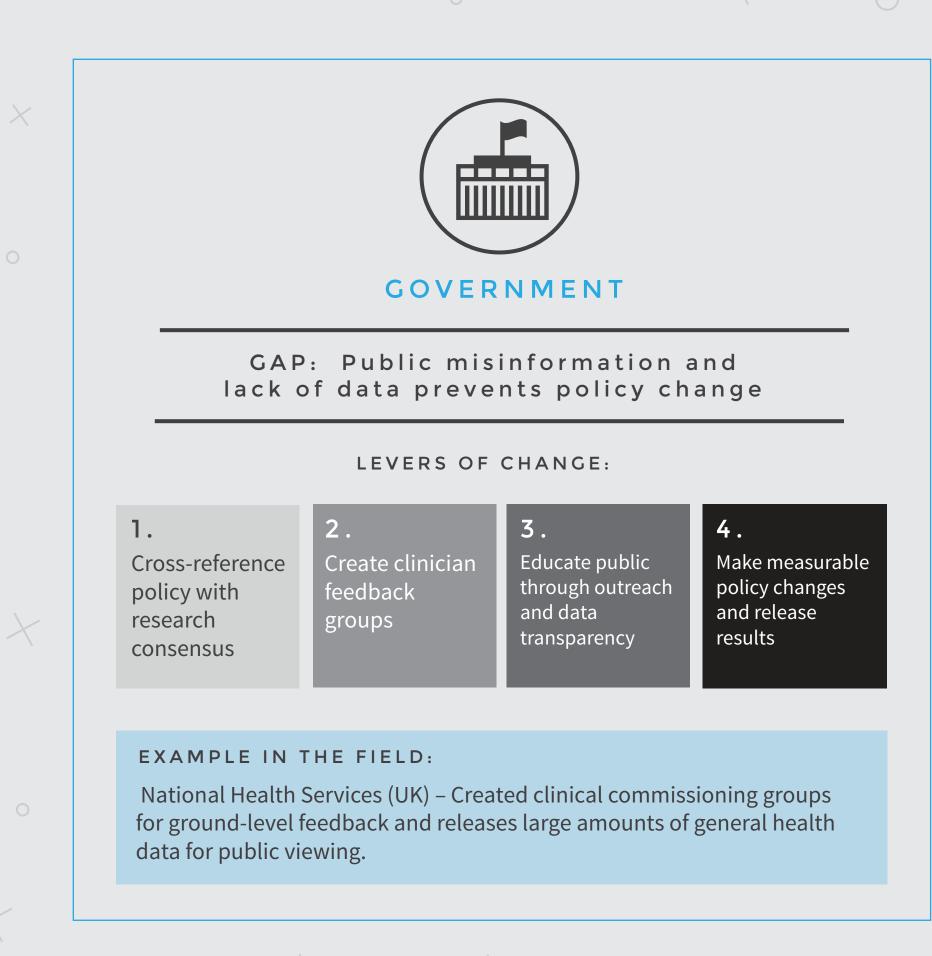
4.
Leverage
purchasing
power to create
change

EXAMPLE IN THE FIELD:

GreenPages Directory – A green purchasing catalogue where companies can post their sustainable products for purchasers to easily browse.







THE SOLUTION BREAKDOWN



NON - GOVERNMENTAL
ORGANIZATIONS
Innovation, Activism, & Donation

Groups that focus on innovation, including Practice GreenHealth, run projects to remove hazardous chemicals from hospital equipment and operate hospital sustainability competitions.



Health Care Without Harm uses its strong ties to the United Nations in lobbying governments to promote sustainable handling of medical waste.

BUT.

"We sent a few shiploads, but after the grants ran out, we had a lot of trouble keeping the program running."

- Dr. Yoan Kagoma, Co-Founder of Operation Green



However, groups focused on innovation often neglect issues with management of solid waste and donations fail to address the root causes and raise international development concerns.



HOSPITALS Stocking & Sorting

Multiple American hospitals have reduced biohazardous waste to under 6% of their total waste produced.



An operating room in Massachusetts saves \$110,000 per year through proper waste segregation and supply recycling.



A pilot study done in the UK found that an average of \$456 worth of useable equipment is discarded from each bed in their ICU.



- UNFORTUNATELY, -

"To the hospital, if anything even has the slightest chance of increasing infection rate, it's really difficult to make it happen."

- Charge Nurse, Royal Columbian Hospital



PRIVATE COMPANIES
Reprocessing & Partnerships



products, was established

in 2016 through an

alliance of equipment

manufacturers and 54

Californian hospitals.

GreenHealth Exchange, a marketplace for green



In Sweden, medical waste disposal companies partner with hospitals to properly sort waste and effectively reduce the amount incinerated.

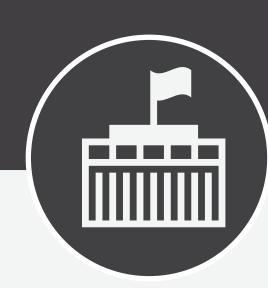


Stryker, a medical device manufacturer, has a medical equipment reprocessing system in Canadian hospitals.

-UNFORTUNATELY, -

"It's difficult because the manufacturers don't provide warranty on reprocessed products, and doctors don't think they're as good as the regular ones."

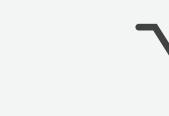
- Sonja Janousek, Sustainability Coordinator



INTERNATIONAL GOVERNMENTS Research & In-Practice



ean Union UK's healthcare system



The European Union has designated medical waste management policies that they review and update every few years.

makes use of Clinical
Commissioning Groups
to develop novel waste
reduction strategies
that are then studied
and published.

Swedish research focuses on creating tools and models that calculate the costs of medical waste which, in turn, help inform purchasing decisions.

—HOWEVER,

Policies are often not uniformly enforced and there is slow uptake of new tools, research, and knowledge by hospital systems.