



Green Dialysis for a Greener Tomorrow:

Environmentally Conscious Dialysis Therapy

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What is Green Dialysis?

- A treatment model that is:
 - Sustainable
 - Environmentally Sound
 - Ethical
 - Profitable (& Fiscally Minded)
- Meets G – Rating Requirements:
Good For People, Planet, &
Pocketbook

- Can you learn how to be green in 45 min? **YES!**
- Can I teach you everything about Green Dialysis Today? **NO**

Here's The Trash



- The Evidence
- The Current Problems
- The 360 Program
- The New Plan

How We Differ?

Canada	United States
Reuse Programs -1	Reuse Programs – 1000+
Concentrate Delivery–jugs	Concentrate Delivery– central delivery
Publically funded model	For Profit Model (primarily)
Hospital based units	Clinic based facilities
Patient care- Nurses	Patient Care - PCT

The Healthcare Waste Dilemma



The Evidence



Healthcare Waste

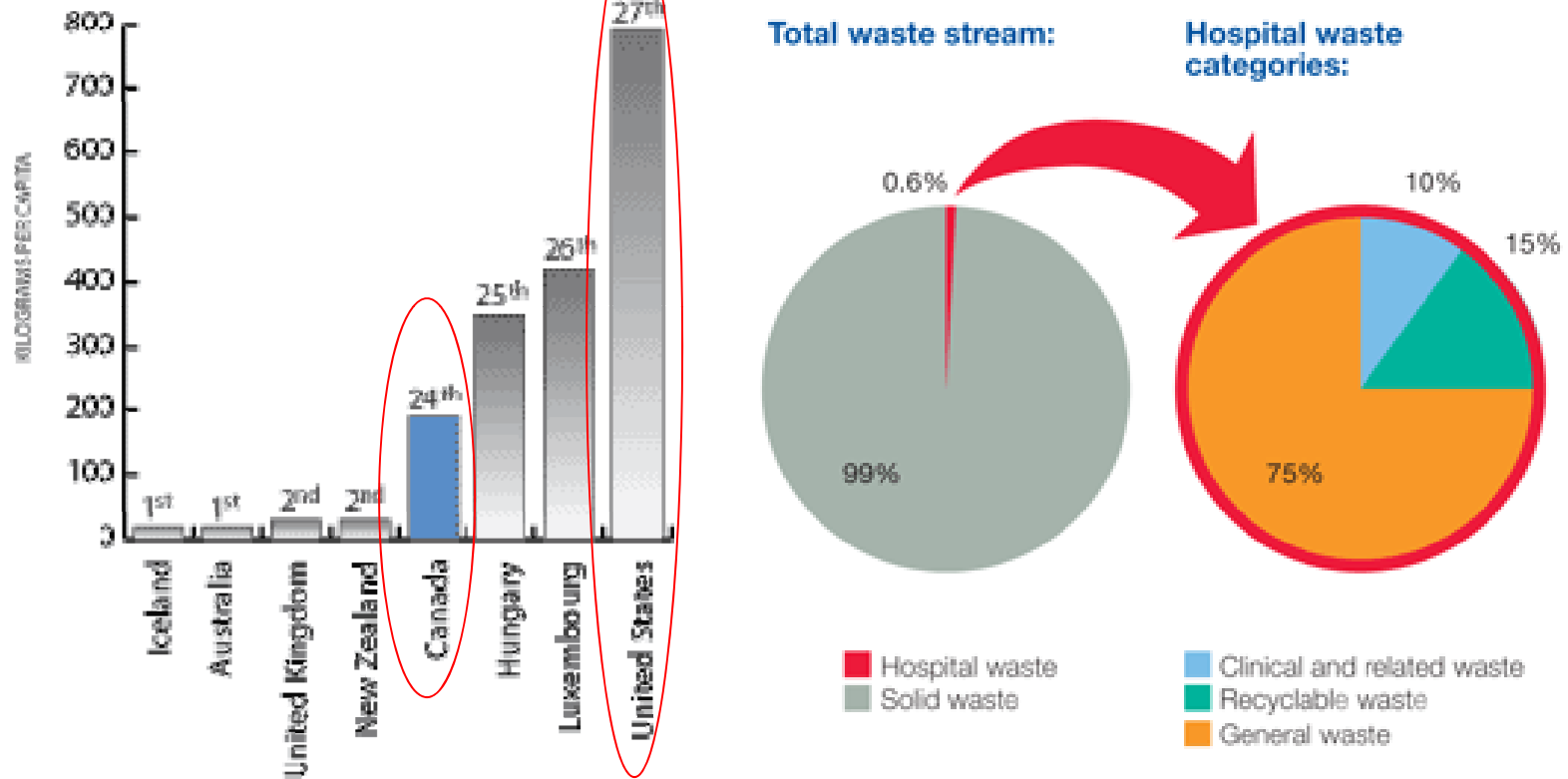


FIGURE 13. Kilograms of hazardous waste per capita

SOURCE: OECD ENVIRONMENTAL DATA 1999

Canada = 440 lbs/yr

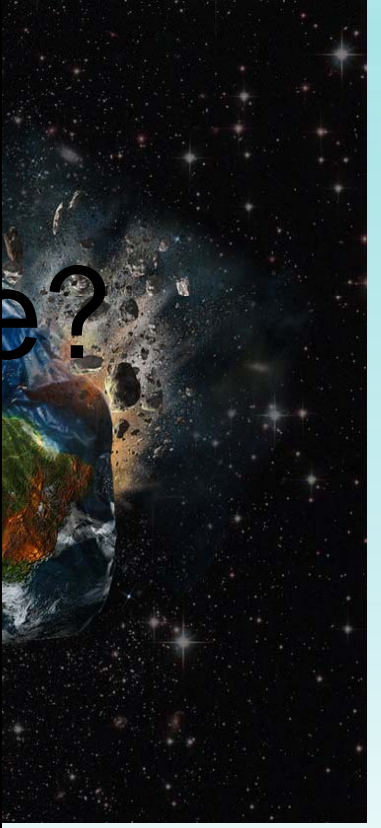
US= 1763 lbs/yr

US Hospitals = 6.6 million tons of waste/yr
 = Hoover Dam or 8 fully loaded 747 planes



- 24 Stations = 144 patients
 - ~5 lbs/pt = 780 lbs/yr/pt
- Entire unit = 112,320 lbs or 56.16 tons
- Hospital solid waste (2009) = 550 tons
 - or **1,093,493 lbs**
- dialysis waste = 10% of hospital's waste

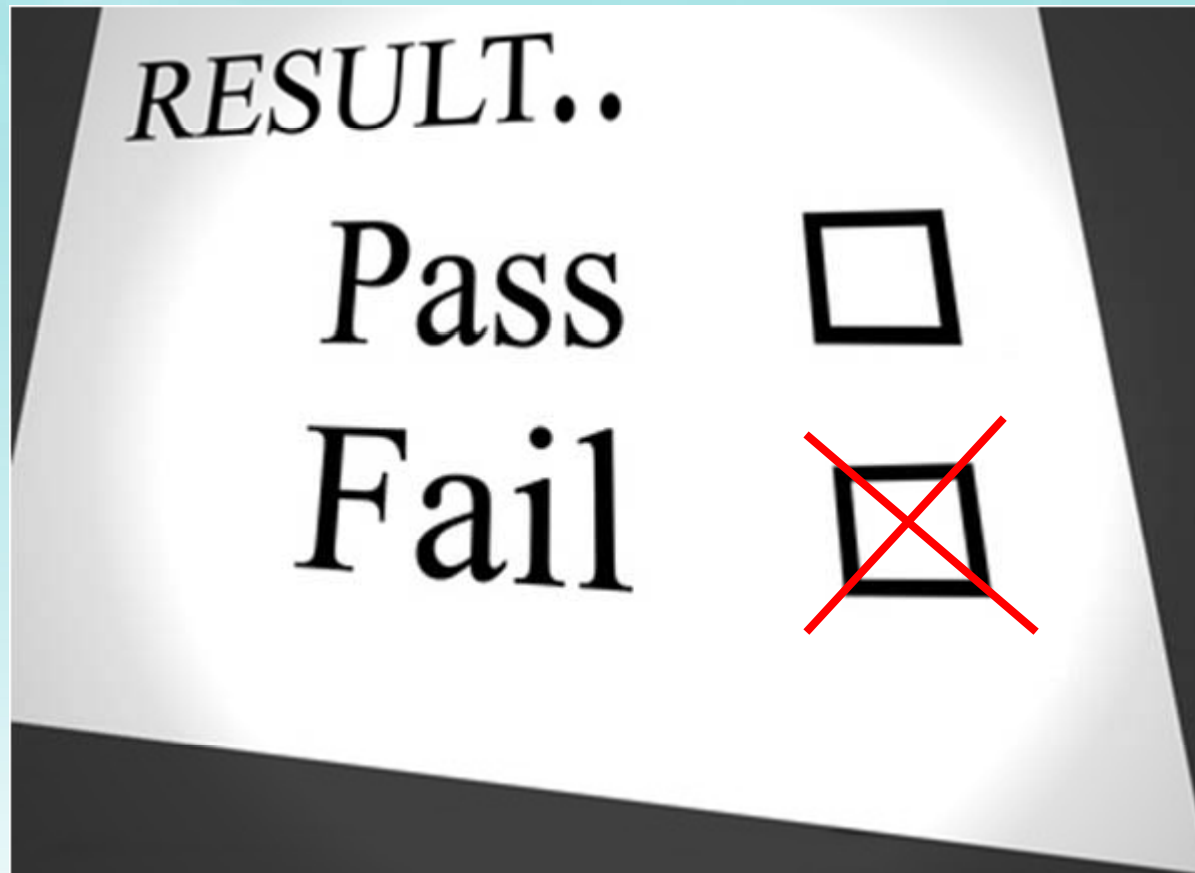
How Did We Get Here?

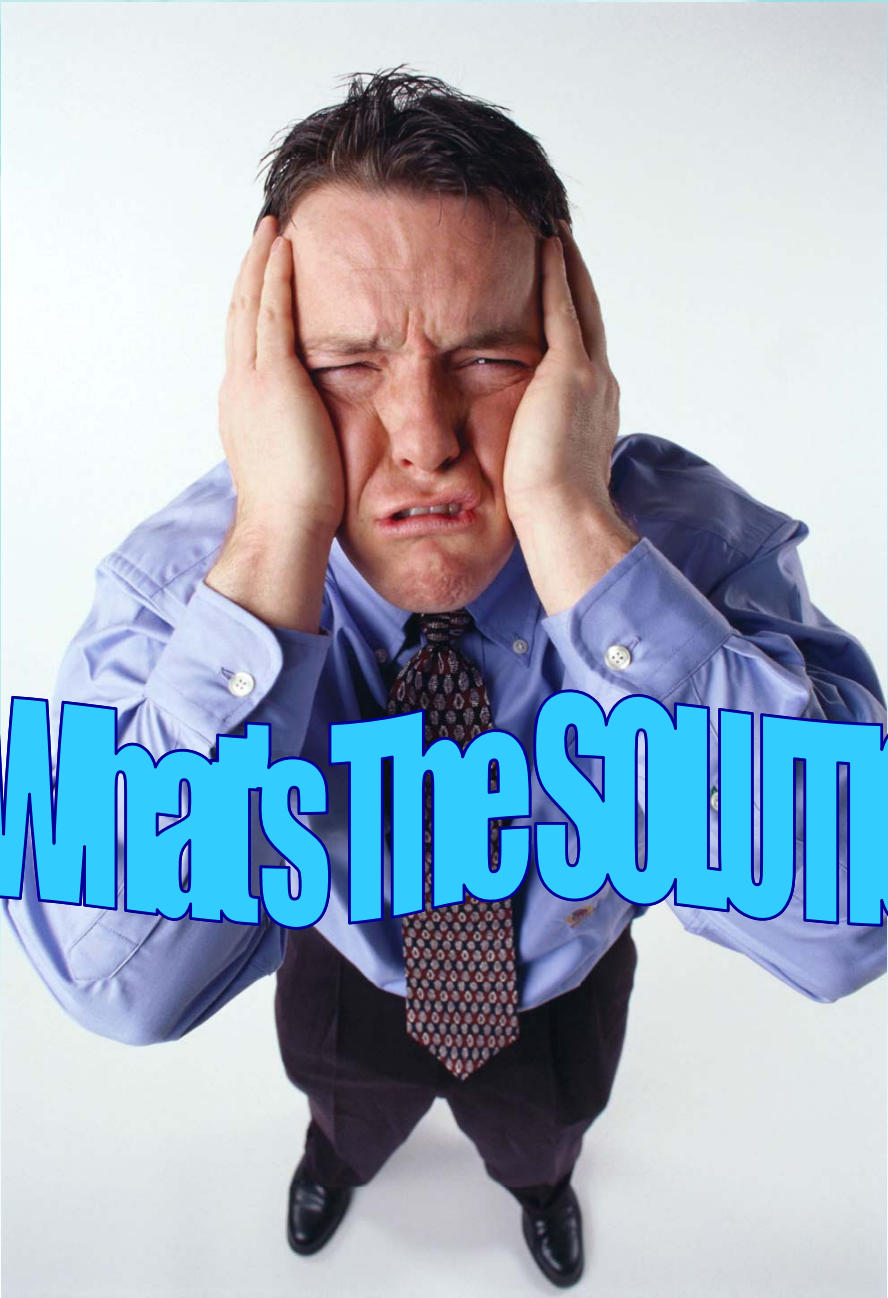


The Problems

- The Global Footprint
- Corporate Involvement
 - Lack of Responsibility/Accountability
 - Economics = Profit
- Lack of Personal Commitment
- The Price We Pay
- The Wrong Plan

...the bottom line





So What's The SOLUTION

The 360 Program



Change your **THINK**
Change the **WORLD**

Step 1 – Know Your Trash

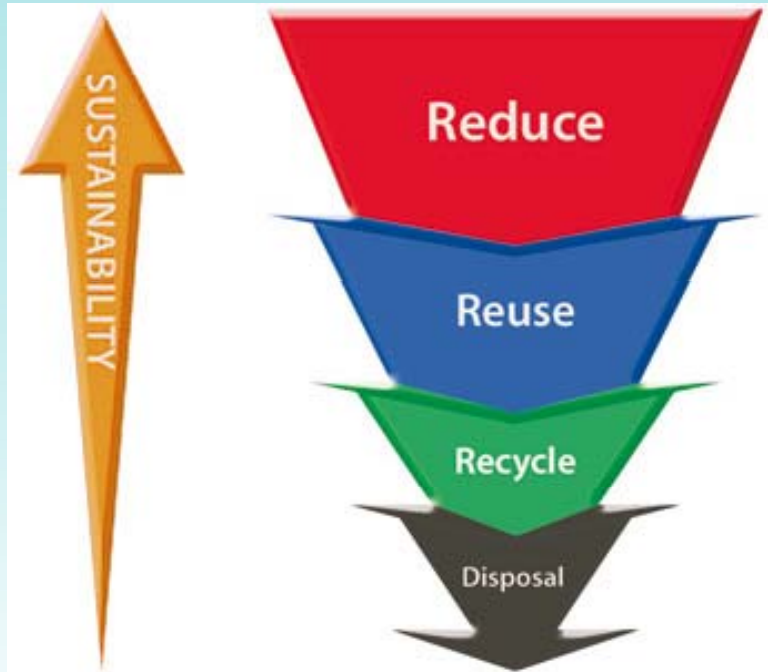
Ask the following Questions??

- 1) How do we currently manage our waste/recycling?
- 2) Where can we improve?
- 3) What can we change?

Finally: Do a waste audit

Step 2 – Rethink the Approach

THE NEW R's



- Rethink
- Resell
- Replace
- Restore
- Redefine
- Rebuild
- Reward
- Redevelop
- Regain
- Respect
- Redistribute
- Renew
- Redesign
- Recharge
- Reintroduce

Step 2 - Learn to R.E.A.D.



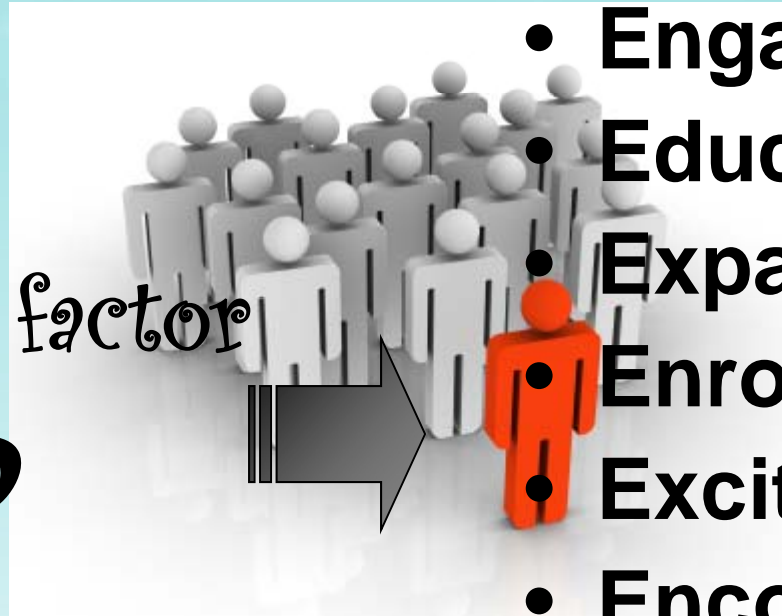
- **R**ealize the issue
- **E**xamine the problem
- **A**ssess your options
- **D**etermine action



Step 3 – Positive Intentions

E

factor



- Engage
- Educate
- Expand
- Enroll
- Excite
- Encourage
- Energize
- Entertain

The POWER of the Effective

Individual as an Energize

- Entertain

Step 4 –Keep it Round



- Translating Vision Into Action
- Form a Green Team
- Apply Waste Strategies: Lean SixSigma, ISO 14001, Zero Waste
- Design a Green Materials Management System (Environmental Purchasing Policy)
- **Waste = Food**

Step 5: The New Action Plan

- Create a New Work Environment by:
- Taking Inventory
- Knowing your waste
- Applying New Think
- Tackling the Low Hanging Fruit
- Keeping It Simple
- **See The Results**



Saving The Bottom Line



Regular Trash



Regulated Waste and Sharps

SHARPS.

An evolution in medical waste treatment and repurposing that creates a new resource!

Introducing PELLA-DRX™



Other Ways to Stop Waste

- Free battery disposal

call2recycle[®]

Recharging the planet. Recycling your batteries.™

- Litterless Lunch/ Boomerang program
- Sell used equipment- Gia Medical
- Silent auction
- **Donate** – Remedy Program (Yale), American Medical Resource Found.
- **Stop It First!**

Your Dollar Solutions



Recyclables

- Sell your
Cardboard &
Boxboard for
\$\$\$




Recyclables

- Look for other recycling options for commodities: Fine Paper, Plastic Jugs, Acid drums, Bicarts, etc.



<http://www.epa.gov/epahome/wherelive.htm>

From Trash to Cash



There's gold
in that there
junk

- Waste to commodities program - \$ for motors, wire, etc.
- Fundraising – Cell Phones, ink & toner cartridges, cameras, etc.

The Road Ahead

- **Equipment Design**
- **Corporate Initiatives**





My Personal WHY?



The Last Trash

- Live your new THINK
- Keep R.E.A.D.ing
- Embrace the Intentions
- Get in the LOOP
- Cultivate a New Waste Image

Change will come and has already begun.



**When the people lead, the
leaders will follow - Gandhi**

If each one of us does our
part, we can build a new future
for healthcare - Myself



**What Impact Will You
Have?**

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QUESTIONS???