Sustainability and Health

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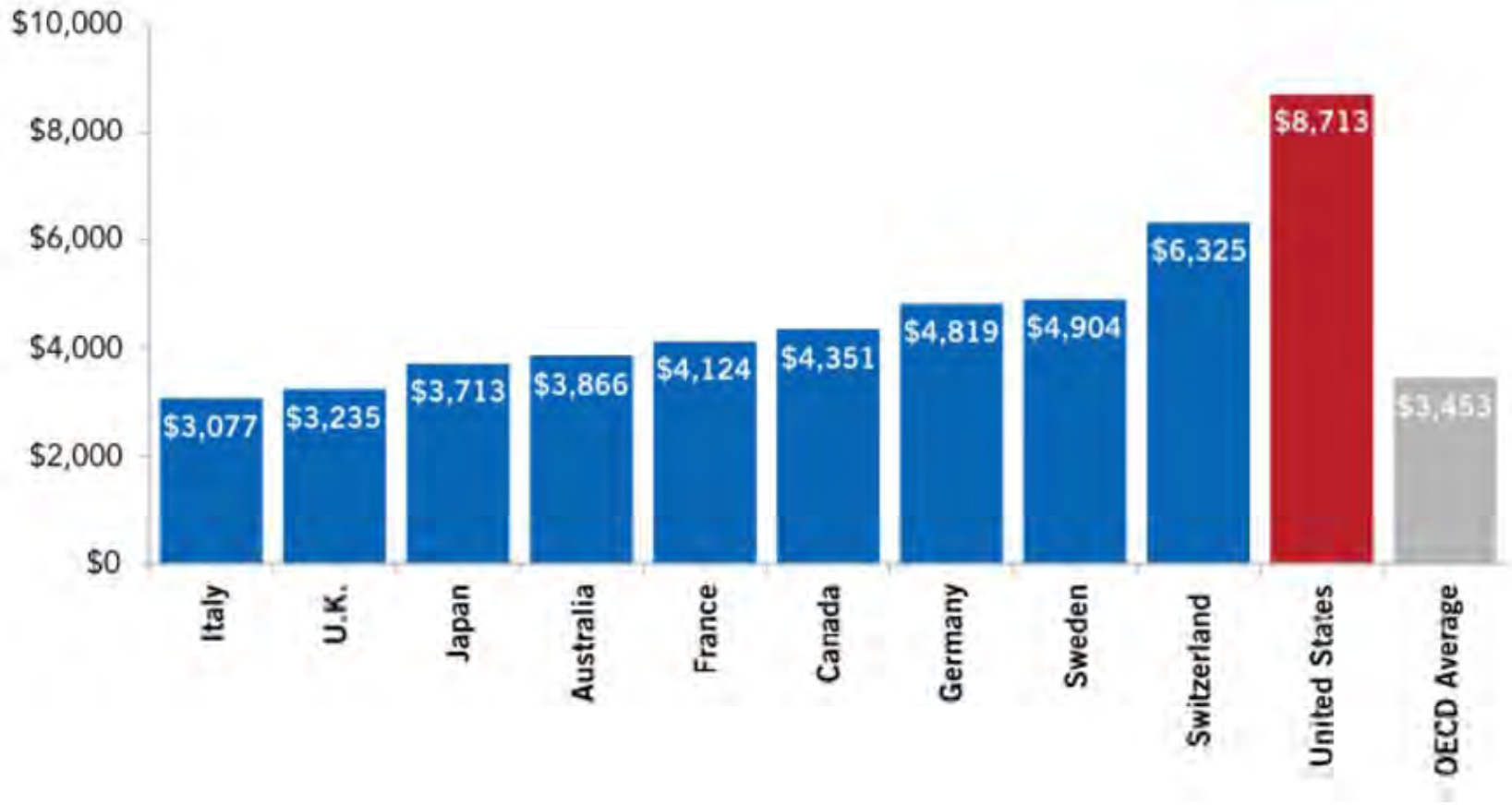
Sustainability – how is it viewed?

- Protecting the environment
- Being a good corporate citizen
- Recycling
- Turning off the lights
- Climate change – depends on who you ask - government conspiracy
- Driving a Prius
- Costs too much

Sick Care

Chronic disease accounts for 86% of our nation's healthcare costs - CDC

Health Care Costs Per Capita



OECD Health Statistics 2015

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Disease Statistics

- 133 million Americans (45% of the population) have at least one chronic illness
- Chronic diseases are responsible for 7 out of 10 deaths in the U.S.—killing more than 1.7 million Americans every year
- Although the US spends 75% of health care spending on chronic disease, there will be an estimated:
  - 1.6 million new cases of cancer
  - 1.5 million new cases of diabetes
  - 25.9 million asthma cases
- 2/3 adults and 1/3 children are overweight or obese
- 1 in every 11 children have asthma. African American children are twice as likely to have it than white children
- By 2030 cancer cases will increase 45% and become the leading cause of death

Partnership to Fight Chronic Disease, NCI, American Diabetes Association, Asthma and Allergy foundation of America, American Society of Clinical Oncology

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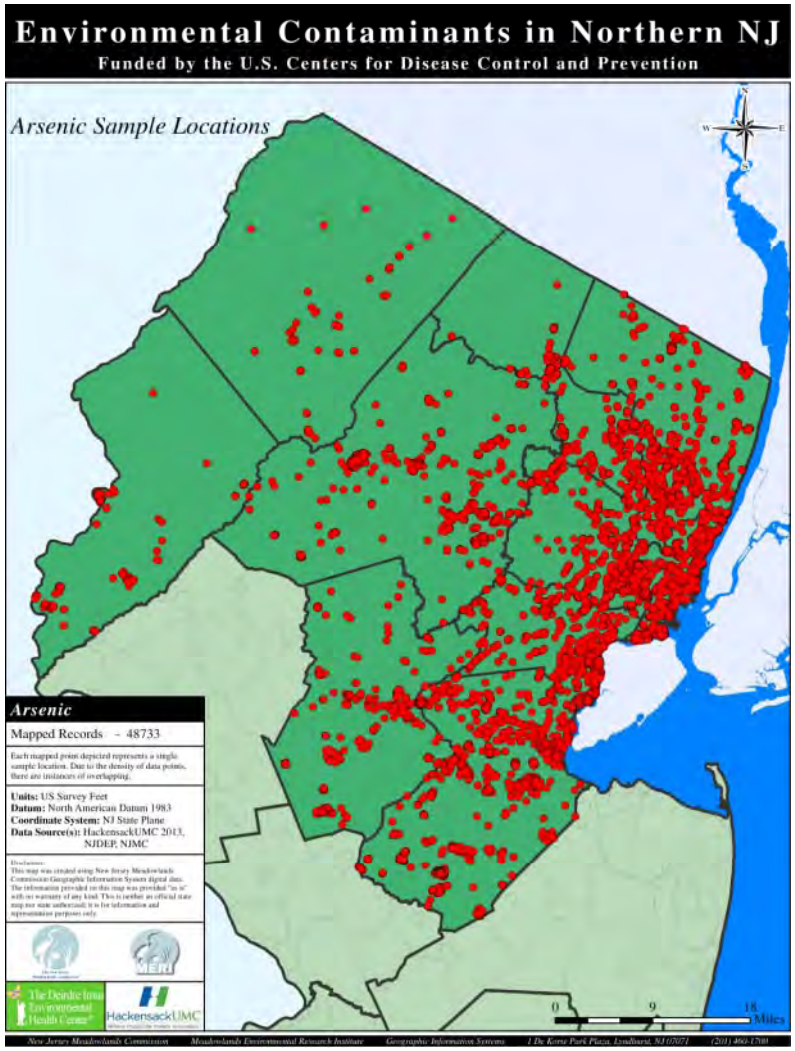
New Jersey #1 in US for number of Superfund Sites….



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80,000 chemicals on the market, 5 are regulated….

Alzheimer's

Parkinson's

Cancer

Asthma

Learning and developmental disabilities

Reproductive health and fertility problems

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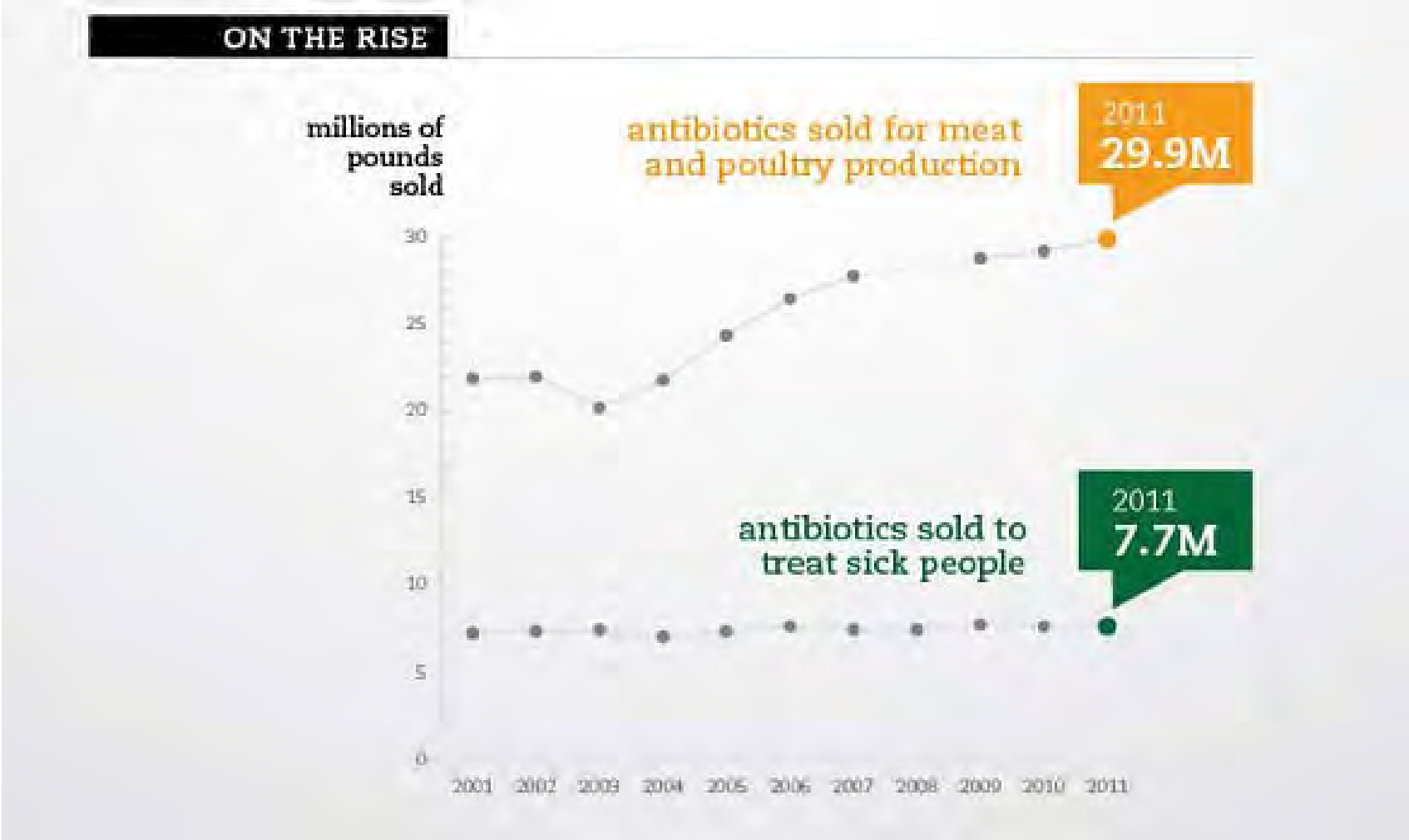
Fast Food Ahead of Healthcare….

Antibiotic Resistance Crisis



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A Declaration on Climate Change and Public Health

American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN™

Health Care Without Harm

NMA Since 1895 National Medical Association

AMERICAN LUNG ASSOCIATION. Fighting for Air

aafa Asthma and Allergy Foundation of America

American Thoracic Society 1905 ATS

US Climate & Health Alliance

NACCHO National Association of County & City Health Officials

PUBLIC HEALTH INSTITUTE

APHA AMERICAN PUBLIC HEALTH ASSOCIATION For science. For action. For health.

Allergy & Asthma NETWORK

Trust for America's Health

ACPM American College of Preventive Medicine

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A Declaration on Climate Change and Public Health

- **Science is clear**
- Elevated **ozone and particulate** air pollution, linked to asthma attacks, cardiovascular disease and premature death
- **Extreme weather patterns, such as heat and severe storms, cause droughts, wildfires and flooding** that destabilize communities, especially those least equipped to defend themselves
- Increased **vector-borne diseases** by expanding seasons and geographic ranges for ticks, mosquitos and other disease carrying insects that roam.

CARING EVERY DAY TO TAKE **GREEN FURTHER**

The Deirdre Imus Environmental Health Center® is one of first hospital-based environmental health centers of its kind.

EPA PARTNERSHIP
begins February 2012

ENERGY REDUCTION

GREEN CLEANING PRODUCTS

SAFER CHEMICALS

WATER REDUCTION

WASTE REDUCTION

RESPONSIBLE PURCHASING

GREEN CONSTRUCTION
of Donna A. Sanzari Women's Hospital, Joseph M. Sanzari Children's Hospital, and John Theurer Cancer Center

HEALTHIER FOOD OPTIONS

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Aligning Sustainability with Strategic Priorities

- **Prevention and Wellness**– Energy, Safer Chemicals, Healthier Foods
- **Quality of Care for our patients** – Safer Chemicals
- **Patient Safety** – Safer Chemicals
- **Revenue Enhancement** by reducing resource consumption – Waste Reduction, Energy Reduction, Supply Reduction, Water Reduction
- **Building Team Member Engagement** – Green Team, Safer Chemicals, Healthier Food, Waste Reduction
- **Reducing Triggers of Chronic Health Conditions** (Population Health) – Climate Change Energy, Safer Chemicals, Healthier Foods, Green Building
- **Community Wellness** – Climate Change, Safer Chemicals, Healthier Foods

1 of 11 hospitals invited to White House to discuss impact of Climate Change on Public Health

HealthTrust Social Stewardship Award-Sustainability
2nd year in a row

Practice Greenhealth Top 25 Green Hospital (3rd year in a row)

Initiatives that led to this success included:

- Greening the Cleaning
- Directors goals tied to resource reduction
- 100% Flame Retardant Free Furniture
- 85% of meat is antibiotic free (national leader)
- Eliminated sugar sweetened beverages from retail dining
- Advocate for Safer Chemical Policy on Capitol Hill
- Audrey Hepburn Healing Garden
- Eliminating DEHP from NICU
- Over $5 million in savings from Sustainability initiatives

HackensackUMC Waste Container Map

Regulated Medical Waste

- Blood saturated wastes
- Suction canisters with adequate absorbent
- Microbiology specimens
- Used and unused specimen bags bearing biohazard symbol
- IV bags and tubing that contain PATIENT INFO

REMEMBER:
- No regular trash
- No sharps

Sharps

- Needles and syringes *(includes oral syringes)*
- Scalpel blades and lancets
- Glass pipettes and slides
- Broken contaminated glass
- Staples and wire
- IV bag spikes
- Blue urine collection cap

REMEMBER:
- No medications
- No wrappers
- No chemo

Batteries

- Lithium Batteries
- NiCad Batteries
- Alkaline Batteries

REMEMBER:
- No pulse ox

Recycling

- Paper *(no patient info)*
- Plastic packaging
- Cardboard packaging
- Empty glass and plastic bottles
- Blue wrap *(no blood)*
- Glove boxes

REMEMBER:
- No food
- No gloves
- No regular trash
- No soiled items
- No RMW
- No patient info

Trash

- Food waste
- Styrofoam
- Wax lined cups
- Empty IV bags and tubing *(no patient info)*
- Bed pans
- Gowns*
- Gloves*
- Masks*

**Worn but not soiled*

REMEMBER:
- No recyclables
- No RMW

Trace Chemo

- Empty (3% or less) bags, vials, ampoules containing chemo drug
- Trace contaminated PPE
- Sharps that contain chemo

REMEMBER:
- No bulk chemo
- No regular trash

Bulk Chemo

- Bulk (more than 3%) bags, vials, ampoules containing chemo drug
- Saturated PPE

REMEMBER:
- No trace chemo
- No RMW

Rx Non Hazardous

- Any pharmaceutical NOT marked or coded (BKC) such as:
- Partial IVs
- Unused pills and capsules
- Partial vials
- Topical ointments *(capped)*

REMEMBER:
- No sharps
- No empty containers
- No controlled substances

Rx Sharps

- Any pharmaceutical that is contained in a Sharp such as:
- Partial syringes
- Partial ampoules

REMEMBER:
- No empty sharps
- No controlled substances

Rx Hazardous

- Any pharmaceutical marked or coded (BKC) such as:
- Partial IVs
- Unused pills
- & capsules
- Partial vials
- Topical ointments *(capped)*

REMEMBER:
- No sharps
- No empty containers
- No controlled substances

For more information, contact:
khaber@HackensackUMC.org

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Environmental Health & Safety

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Culture Change

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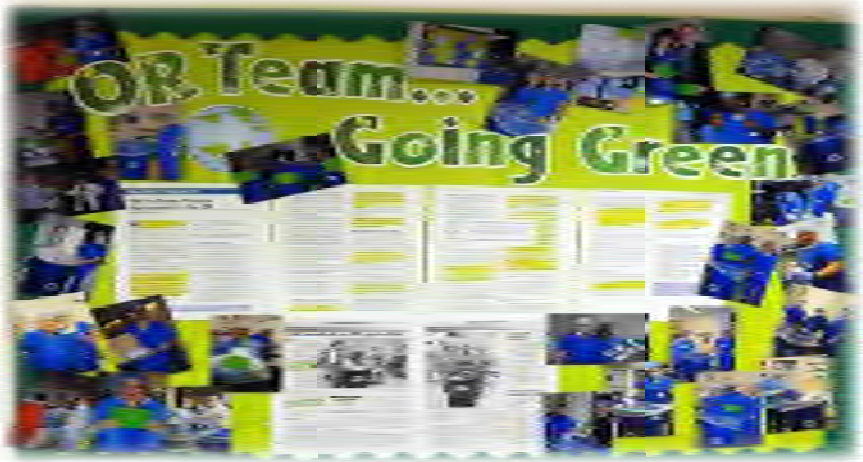
Recycling



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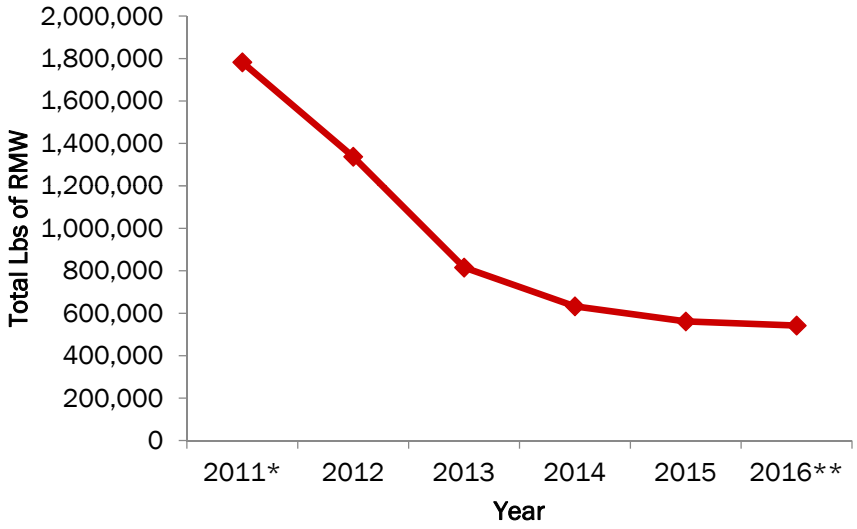
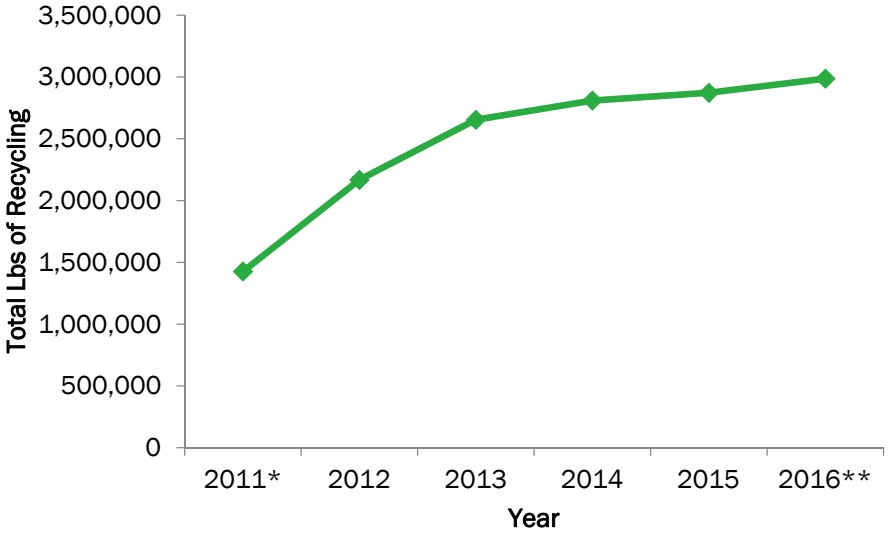
Waste Progress





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HPRC
Healthcare Plastics Recycling Council

A technical coalition of industry peers across healthcare, recycling and waste management industries seeking to:

- Improve recyclability and market value
- Provide resources and tools to hospitals
- Connect supply with demand

Learn more at www.hprc.org

Members
Baxter, BD, Cardinal Health, DuPont, Eastman Chemical Company, Halyard Health, Johnson & Johnson, Medtronic, Ravago Manufacturing Americas and SABIC Innovative Plastics

Advisory Board
Ascension Health, Dartmouth Hitchcock, Hackensack University Medical Center, Kaiser Permanente, Lehigh Valley Health Network

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Not everything goes smoothly…..

- Meatless Monday – lowest sales day of week
- Recycling – contamination and changing markets
- Floor care – perception that shiny is clean
- Supplier transparency
- Eliminating fried food
- Recycling stations
- Communication

Some keys to our success…

- Adapting the messaging – alignment with organizational priorities
- Just get started….
- Be flexible with your program
- Collaborate with everyone
- Lead with passion – stay the course

Contact

If you have any questions please contact us at

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