# Healthy, Local, Sustainable Food in Healthcare

### **CT Hospital Roundtable**

Health Care

Without Harm

June 13, 2008

Michelle Gottlieb, MEM

www.healthyfoodinhealthcare.org

mbgottlieb@comcast.net









**Mission: To transform** the health care industry worldwide, without compromising patient safety or care, so that it is ecologically sustainable and no longer a source of harm to public health and the environment

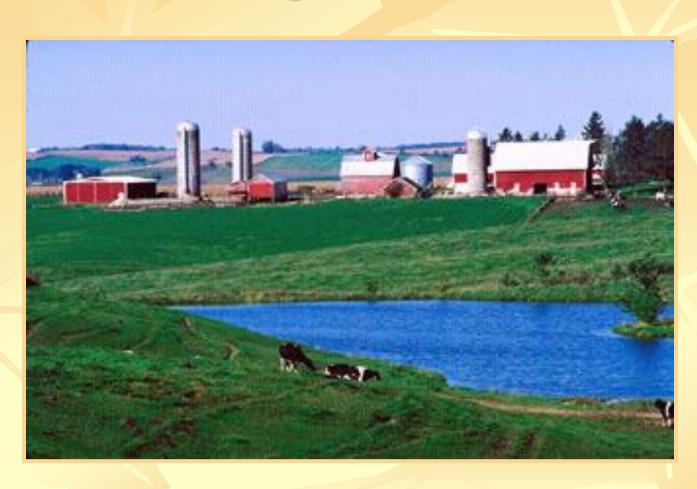
Just as the Hippocratic
Oath promises to, "first,
do no harm," HCWH is
based on the premise that
health care providers have
a responsibility to
eliminate practices that
harm people and the
environment...



"It is unreasonable to expect that people will change their behavior easily when so many forces in the social, cultural, and physical environment conspire against such change"

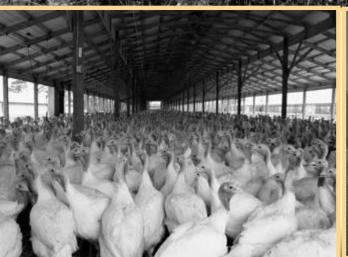
Institutes of Medicine

# From our Farms of 60 Years ago...



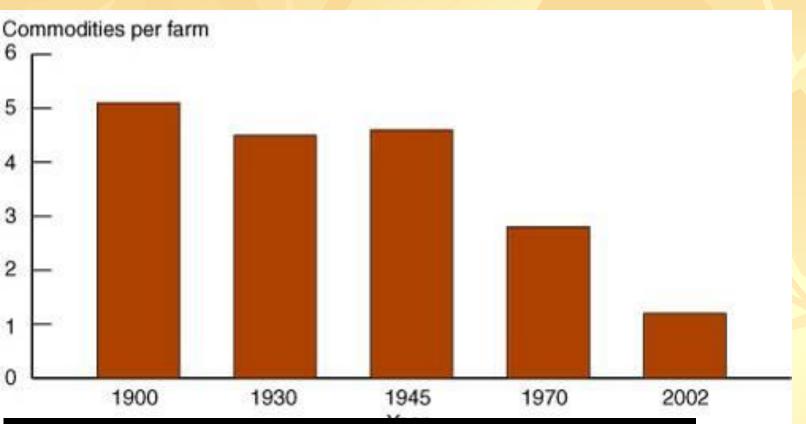


Within 50 years our agricultural system has become almost unrecognizable





### From Diverse and resilient to Specialized



http://www.ers.usda.gov/publications/EIB3/charts.htm#fig4

Note: The average number of commodities per farm is a simple average of the number of farms producing different commodities (corn, sorghum, wheat, oats, barley, rice, soybeans, peanuts, alfalfa, cotton, tobacco, sugar beets, potatoes, cattle, pigs, sheep, and chickens) divided by the total number of farms.

Source: Compiled by Economic Research Service, USDA, using data from Census of Agriculture, Census of the United States, and Gardner (2002).

### From Pasture-based to Confinement based

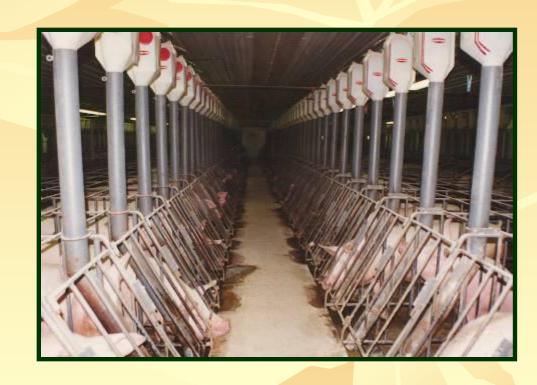
- "Confined" = indoors (poultry, swine, dairy)
  - Limited (no) outdoor access
  - Closed worker environment



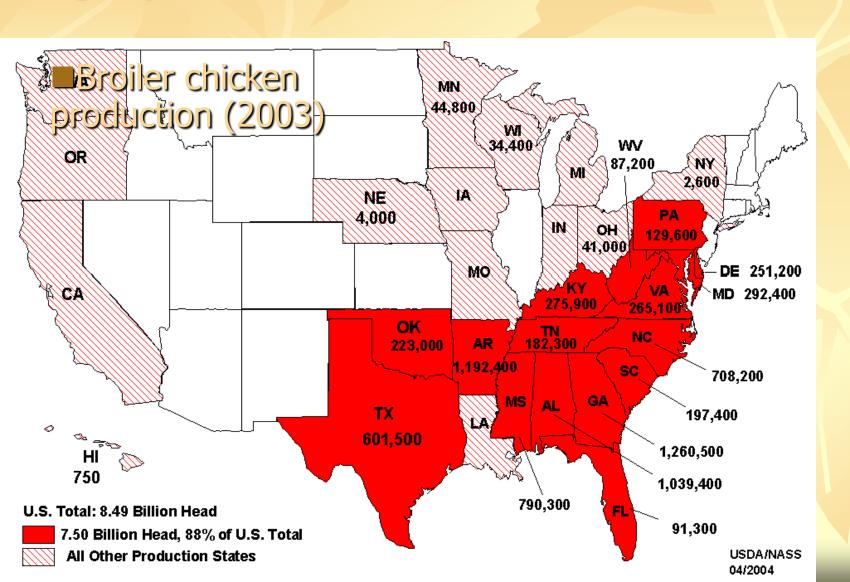


### From Animal husbandry To Meat Production

- Gestation crates
- Early weaning, debeaking etc.
- Growth promoting synthetic hormones & feed additives



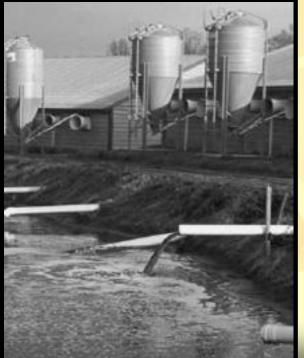
### From Geographically dispersed to highly concentrated



Characterized by resource (fossil fuel) intensity

- Energy intensive
  - Chemical fertilizers
  - Herbicides, pesticides
  - Indoor fans, lights
- Water intensive
- Transport Intensive
  - Food miles





### Pesticides exposure begins in the womb

(Whyatt et al. 2001)

- Meconium (first stool) assayed in 20 newborns (NYC):
  - Looked for DEP & DETP, 2 ethylmetabolites common to several organophosphate insecticides: chlorpyrifos, diazinon, parathion
- Detections: 19 of 20



### **Pesticides**

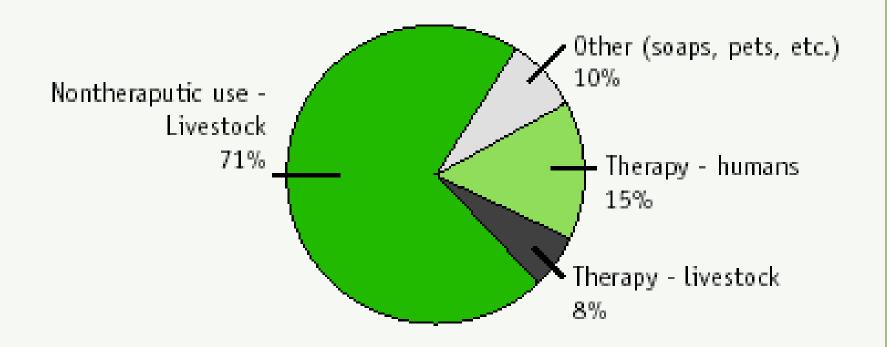
- Use of agricultural chemicals known to cause cancer in CA increased 127% from 1991 to 1998.
- In CA 90% of pesticides used are prone to drift.
- In CA farmworkers are 59-70% more likely to develop various forms of cancer that the rest of the population.



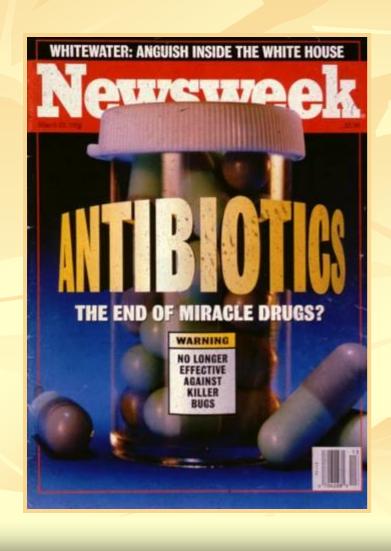
Women and Mexican Americans have the highest body burden levels of several organochlorine pesticides measured by CDC.

- "Average" person has 13 pesticides in their body
- Exposure to all commonly used pesticides ... has shown positive associations with adverse health effects. Ontario College of Family Physicians .

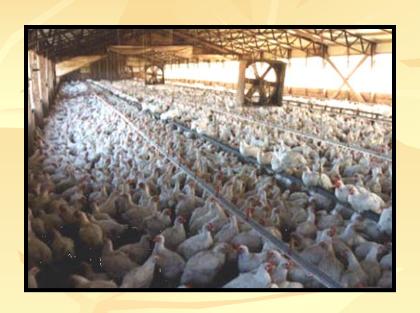
### U.S. Antibiotics Consumption



## We're running out of working antibiotics



### Chemical Additives – Arsenic

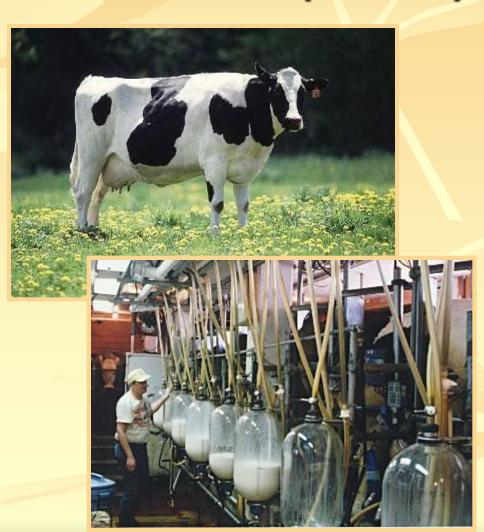


- Uses
  - Growth promotion
  - Pigmentation
  - "Prophylaxis" compensate for growing conditions
  - Not approved in Europe

■70 percent or more of 8.7 billion broiler chickens annually are fed arsenic (EPA)

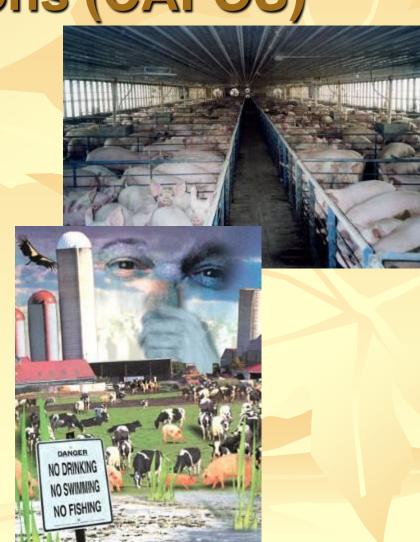
# Chemical Additives – Recombinant Bovine Growth Hormone (rBGH)

- Banned in Canada, Western Europe, Japan, and Australia
- Cancer risks
- Antibiotic resistance concerns
- Animal welfare concerns



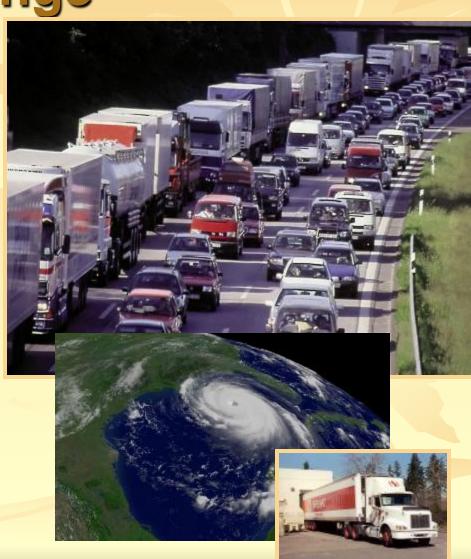
# Combined Animal Feedlot Operations (CAFOS)

- Generate an estimated 575 billion pounds of animal manure yearly
- Manure uneconomical to transport distance, typically stored in open or covered pits or lagoons
- Public health problems, including the overuse of antibiotics and food borne illness.
- Geographically concentrated



## Food Production and Climate Change

- Typical produce item now travels about 1,500 miles from farm
  - Trucks moving food freight account for 40% of road freight in UK
- Indirect impacts
  - GWG gases
  - Ozone
  - PMs and asthma
- Largest retailer in UK initiating carbon "label" process



# Bisphenol A (BPA) / Polycarbonate

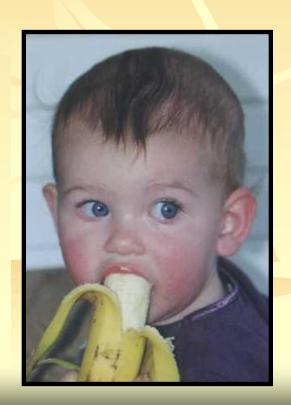
- Coating in metal cans, plastic in food containers, refrigerator shelving, baby bottles, water bottles, returnable containers for juice, milk and water, micro-wave ovenware and eating utensils.
- BPA contamination is also widespread in the environment.
- Experiments with mice reveal that chronic adult exposure to bisphenol A causes insulin resistance. Insulin resistance in people leads to Type II diabetes.





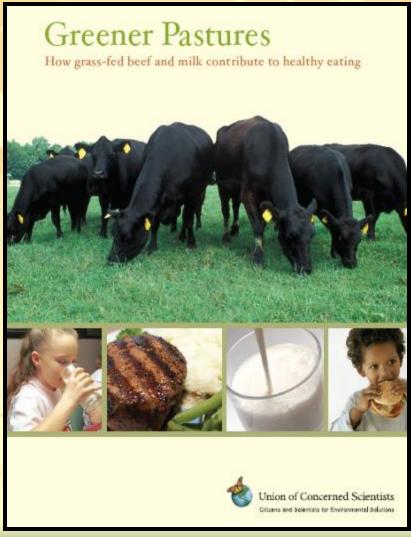
### Organic diet lowers pesticides in children to non-detectable levels

- ■Lu et al. 2006. Environ Health Perspect 114:260–263
- "Organic diets significantly lower children's dietary exposure to organophosphorus pesticideds"
  - "We found that the median urinary concentrations of the specific metabolites for malathion and chlorpyrifos decreased to the nondetect levels immediately after the introduction of organic diets and remained nondetectable until the conventional diets were reintroduced.



Feeding beef, dairy cattle on grass improves the fat profile of the beef, dairy

- Grass-fed or pasture raised cattle:
- Almost always produce steak, ground beef lower in total fat than conventional
- Tend to have steak with higher levels of the omega-3 fat, ALA, and sometimes with higher levels of EPA/DHA.
- Tends to produce milk with higher levels of ALA



## Healthy Food in Healthcare Principles

As places of healing, hospitals have a natural incentive to provide food that's healthy for people and the environment in which we live.

Food supply can be met in a variety of ways which have consequences in terms of nutrition, disease risk, public health, environmental health, social and economic well being.

These are linked in complex ways. From the way food is grown, to the way it's packaged, shipped, consumed and discarded, hospitals' food purchasing decisions can play an important role, both directly and indirectly, in our ecological health.

### Hospitals Respond

- Health Care Without Harm is working with hospitals to adopt food procurement policies that:
  - provide nutritionally improved food for patients, staff, visitors, and the general public, and
  - create food systems which are ecologically sound, economically viable, and socially responsible.
- By adopting food procurement policies that are ecologically sound, economically viable, and socially responsible, health care systems demonstrate an understanding of the inextricable links between human, public, and ecosystem health.



### Benefits

- Positive Publicity
- Differentiation from competitors
- Better employee morale
- Added patient satisfaction
- More visible nutrition education
- Improved community relations

#### Duluth hospital goes organic

by Stephanie Hemphill, Minnesota Public Radio

November 23, 2005

Most people think one of the unpleasant things about hospitals is the food. That is boring mush that passes for a meal. The white bread, the processed meat, the jell could it possibly be good for you? In Duluth, two hospital food managers are try change all that. They're adding organic fresh fruits and vegetables to the menu. I beginning moves in what could change the hospital dining experience.

Duluth, Minn. — St. Luke's is the smaller of Duluth's two hospitals. Their motto be, "We try harder." Several years ago, the hospital put two chefs in charge of the housekeeping, laundry, and food.



Two gourmet chefs managing the kitchen at St. Luke's Hospital in Duluth are adding organic vegetables to the menu. (MPR photo/Stephanie Hemphill)

very seriously.

In the kitchen, there's the usual i stoves and dishwashers, and a lo assembly line where workers fill trays for patients, based on what ordered.

"The patient fills out the menu, indicating what entrée and salad beverage they want," says Mark Branovan. "Then, as the tray mo down the conveyor belt, they loc menu and put on the appropriate products." Branovan was a gour at restaurants in California's win country. In that part of the world take their fresh fruits and vegeta

# Setting the Table Start a Conversation About Healthy Food

- Create a multi-disciplinary food committee or "team" composed of staff from: Food and nutrition services, Purchasing, Administration, Nursing, and clinicians, public affairs, ethics and quality improvement personnel.
- Explore a new understanding of healthy food and how institutions can support food production that is socially responsible, economically viable and environmentally sustainable.

#### **EXAMPLE**

John Muir Health System, CA

- A Food Committee: dietitians doctors, nurses, marketing and PR staff, employee wellness, employee education, food service managers, administrators, community benefits director, purchasing and plant operations.
- Meets quarterly, developed strategic plan; works with Green Team

"Prevention isn't just something that happens in the doctor's office....Our members cannot be healthy if the communities they live in are not healthy."

Loel Solomon, Ph.D., Kaiser Permanente, National Director Community Health Initiatives
Nutrition-A Fresh Approach
Health Leaders Media 12/2004

# Sign the Healthy Food in Health Care Pledge

- The Healthy Food in Health Care Pledge is a framework that outlines steps to be taken by the health care industry to improve the health of patients, communities and the environment.
- Demonstrate leadership by sending an important signal to the marketplace and policy makers about their interest in local, nutritious, sustainable food and importantly, beginning to model healthy food practices.



## The Healthy Food in Health Care Pledge

Bartels Lutheran Retirement Community - IA

Fletcher Allen Health Care - VT

Good Shepherd Medical Center - OR

St. Luke's Hospital - MN

Hackensack University Medical Center - NJ

Oregon Health and Science University Hospital - OR

Fairview Hospital - MA

Cooley Dickinson Hospital - MA

Sinai Hospital - MD

Baystate Health - MA

Advocate Lutheran General Hospital - IL

The Center for Discovery - NY

Spaulding Rehabilitation Hospital - MA

Littleton Regional Hospital - NH

Swedish Covenant Hospital - IL

Carroll Hospital Center - MD

Arroyo Grande Community Hospital - CA

Bakersfield Memorial Hospital - CA

Barrow Neurological Institute - AZ

CA Hospital Medical Center - CA

Chandler Regional Hospital - AZ

Community Hospital of San Bernardino - CA

Dominican Hospital - CA

French Hospital Medical Center - CA

Glendale Memorial Hospital and Health Center - CA

Marian Medical Center - CA

Mark Twain St. Joseph's Hospital - CA

Mercy General Hospital - CA

# Healthy Food in Health Care



A Pledge for Fresh, Local, Sustainable Food

Unition-related chronic diseases are placing new demands on an already overheadened health care system, and taking their cell on human productivity and quality of his. Our current large scale, industrial food system foron artiral products and highly-refined, preservative laden, calorie-dense foods, rather than fisch fruits and vegetables, whole grains, and other high fiber foods traportent for health. It is a system missalgued with distany gratelines. Moreover, the way our food is produced and distributed impacts our health and the corrieonment in which we live. For example:

#### Antibiotic Resistance

The routine use of analyticities contributes to growing antibiotic resistant bacteria. Each year 20 to 30 million pounds of antibiotics (including robust aministrobust) are used in agriculture—by volume, about 7-10 times the total antibiotics used in human medicine. Industrialized food systems that produce poultry, pork, but (, and formed fish routinals use antibiotics as according to consider used in human medicine.

ported an average of 1,500 mbs to reach its destination. Through the use of dared and other fould fisch, which is an account by contribute to global worning. Fertilizer and postedies contaminate ground-water in many locales and come postedies betwee been found regularly in minfall. Large-scale animal feedlist operations contribute to water pollition when entirested arimal waste releases biologically active horseons, nitrates and other toxic breakdown products into waterways.

#### Worker Health and Safety

Wilespread postcide use in inchestral-scale field preduction exposes firm workers and their furniles to dangerous chemicals, often as levels that encoud enablished 'articly' hints. Longer-turn, low-level postcide exposure has been lasked to an army of chemic booth problems including casess, birth defects, neurological, reproductive, and behavioral effects, and toputed instrume system function. Infantationed must packing to recognized as one of the

......

### Menu of Change

### Healthy Food in Health Care

A 2008 Survey of Healthy Food in Health Care Pledge Hospitals







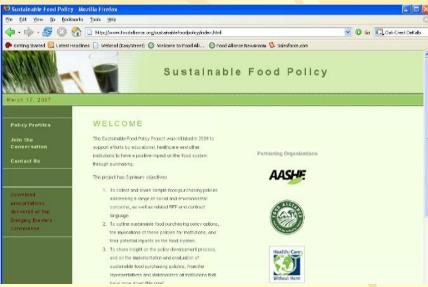


### Establish a Hospital Food Policy

#### **Strategies**

- Develop a broad, integrated food policy that can then guide your facility's future efforts.
- Health care facilities and systems can play an important role in supporting the health of their staff, patients, and local and global communities by understanding that healthy food includes more than nutritional quality.
- Tool: Guide to Developing Sustainable Food Purchasing Policy

www.SustainableFoodPolicy.org



#### Vision for a Healthy Food System

"Kaiser Permanente aspires to provide healthier food for members, employees and visitors in a manner that promotes agricultural practices that are ecologically sound, economically viable, culturally appropriate and socially responsible.

Chez Kaiser's food revolution Hospital experiment putting locally grown produce on patients' plates

- Carol Ness, Chronicle Staff Writer Sunday, August 6, 2006









-- Adopted by

KD Environmental Stewardship Co

"It is important that we recognize the connection between a healthy earth and healthy human beings...If we don't have a healthy planet, we won't have healthy human beings."

Sr. Mary Ellen Leciejewski

<u>Ecology Program Coordinator</u>, Catholic Healthcare West
Hospitals Go Organic for Patients Sake
The Associated Press, 9/24/2006



### CHW Food & Nutrition Services Vision Statement

CHW recognizes that food production and distribution systems have wide ranging impacts on the health of people, their communities and the ecosystems in which they live; and so

CHW recognizes that "healthy food" describes not only nutritional quality, but equally by a food system which is ecologically sound, economically viable, and supportive of human dignity and justice, and so;

CHW aspires to develop a healthy food system

We will work within our system to develop policies, procedures, contracts and education for staff, patients, suppliers, and local and global community that reflect this vision.

### Creating the Dishes Strategies for Healthier Food in Hospitals

- Antibiotic-free meat/poultry
- rBGH-free milk
- Organic and other certified foods
- Locally-sourcing food
- Menu Changes
- Certified coffees

- Farmers' markets
- Hospital gardens
- Fast-food free zone
- Compost and Reduction of food waste
- Vending machines
- Hospital food policy

### Where to Begin???

- Look for the low-hanging fruit...
- Start small, build success...
- Find out where you have interest and support within your facility...
- Assess community resources...



### Fletcher Allen Health Care - VT

- Compost food waste
- Organic
- rBGH-free milk / Cheese
- Fair trade coffee
- Patient menu focus on fresh and local
- Farm stand
- Signed Pledge
- Biobased disposables
- Work highlighted in FSD 9/15/2006





## **Baystate Health**

Signed the Pledge

- Baystate Health
- Living on Earth NPR radio coverage
- Local Produce via CISA
- Sustainable grass-fed beef



#### INITIATIVE

#### **PROCESS**

#### OUTCOMES

#### Healthy Food in Healthcare

- 1. Educated leadership and staff
- Visited hospitals with similar initiatives and networked with local farmers to establish foundation for relationship, understanding of needs, and expectations
- 3. Altered recipes and menu, eliminated fryer
- Increased knowledge of sources and benefits of fresh, local produce
- Use of healthier products (e.g. hormone free milk, fair-trade coffee, all natural yogurt and locally grown produce)
- Improved eating habits by incorporating more nutritious, less processed foods and creating healthier menus

### Employee and Patient Health & Safety

- 1. Visited local farmers
- 2. Filtered out products that contain trans-fat
- Provide nutrition facts for daily menu and café items
- More use of whole grains in menu, and increased availability of whole grains to employees and patients
- 5. Made a change in vendors

- 1. Ensured safety and quality of food products
- Reduce employee and patient exposure to harmful fats
- Nutrition facts assist employees and patients in making informed, healthier choices
- Increased consumption of whole grains, decreased consumption of refined grains
- Less exposure to pesticides and hormones; use of environmentally friendly cleaning products

### Sustainable and Local Agriculture



- 1. Collaborated with agriculture students
- Sent letters to local farmers with produce specifications
- Initiated a barter system with a local grower for food compost
- 4. Purchased a healthy food kiosk
- Purchasing environmentally friendly, disposable products
- 6. Recycling cans, glass, and cardboard
- Developed a vegetable garden on the hospital's campus

- Purchasing fresh herbs from local high school
- 2. Purchasing fresh, locally grown produce
- Receive fresh produce in return for our composting
- Host a Farmer's Market on campus, which raises awareness and promotes local agriculture
- 5. No Styrofoam products used
- 6. Less rubbish
- 7. Use of the fresh vegetables in our kitchen





## Swedish Covenant - Chicago

- Local organic apples
- Grass fed Beef
- Local Produce
- Ethnic Korean / Latino Scratch Cooking
- Seasonal menus
- PlaneTree
- Food Pledge



## St. Luke's Hospital-MN



- Local/Organic food
- Compost food waste
- rBGH-free milk
- Fair trade coffee
- Holiday tea
- Signed Pledge
- Lake Superior fish

## Good Shepherd Medical Center-OR



- Whole foods and scratch cooking
- Organic/Local
- rBGH-free milk
- Locally grown
- Meats produced w/out hormones or nontherapeutic abx
- Biobased disposables
- Signed Pledge

## **Examples**

#### Deaconess Billings, MT

- Uses Antibiotic-free Turkey
- Longstanding contract with Seder Ridge Turkey
   Farms to purchase locally produced, free-range turkey without antibiotics
- In 2001, hospital's contract with Sodexo ended hospital's purchases from Seder Ridge
- After pressure from the board and the community, hospital worked with Sodexo to reinstate Seder Ridge as a supplier for the cafeteria and inpatient meals.





### Overlake Hospital Medical Center, WA

 Serves seafood fish that is tested for mercury and PCB.



## Purchase rBGH Free Dairy Products

#### **Issues/Benefits**

- Antibiotic resistant bacteria
- Reduce exposure to added growth factor (IGF-1)





#### **Strategies**

- Purchase dairy products without rBGH.
- There are two categories of non-rBGH milk:
  - •Organic in addition to being rBGH-free, also prohibits the use of pesticides in feed and prohibits the use of antibiotic use in cows
  - Non-organic allows the use of pesticides and antibiotics and can be similarly priced to conventional milk.
- Work with your GPO and your distributor to purchase rBGH-free milk.
- Ask suppliers for availability and verification methods for rBGH-free dairy products.

### Purchase Certified Coffee

#### **Issues/Benefits**

 Buying certified coffee supports community development, health, and environmental stewardship.

#### **Strategies**

Many different types of certified coffee that can address these issues, like *fair trade*, *shade-grown* and *organic*.



RTMOUTH-HITCHCOCK ALLIANCE

### Examples

### Cooley-Dickinson Hospital in Northampton, MA - "Way Cooley Coffee"

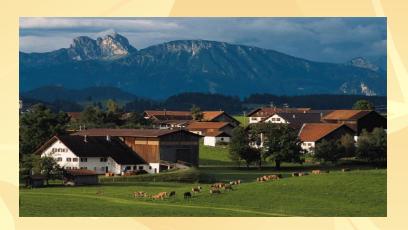
- In 2004 initiated a program, "Way Cooley Coffee" in conjunction with local fair-trade certified coffee roaster
- Way Cooley Coffee, 100% fair-trade and organic, is served in the coffee shop, cafeteria and patient floors, as well as is for sale in the gift shop.
- Money generated from the sale of the coffee increases the hospitals support for Hampshire HealthConnect, a program that links uninsured people with health coverage and care.

  COOLEY DICKINSON HOSPITAL

## Purchase from Local Producers

#### Issues/Benefits

- Avoids long distance travel; overuse of plastic packaging; and chemical preservatives required for transporting food long distances.
- Reduces fuel
   consumption and air and
   water pollution
   associated with long distance transport.
- Builds relationships between the urban and rural community; supports local economy.



### **Strategies**

- Learn what locally-produced foods your vendor currently provides.
- Express a preference for purchasing fresh, locally grown, and sustainable food from your vendors.
- Investigate the percentage of foods that can be purchased outside your vendor contract.
- When your contract is up for renewal, use this as a time to negotiate the off-contract percentage purchases.

# Hospital Gardens: Healthy Foods and Thriving Green Spaces

cters of Charity Lots to Gardens interns and volunteers

#### **Issues/Benefits**

Help to foster a sense of community and pride in hospital staff and offer a place of respite for patients and staff.

Serve as demonstration gardens to educate the community about organic growing methods, integrated pest management, and the variety of foods that can be cultivated in a small

urban space.

Vegetable gardens can produce healthy food for patient or cafeteria menus.
 Cut flowers can be sold or used in your facility.

## Cost

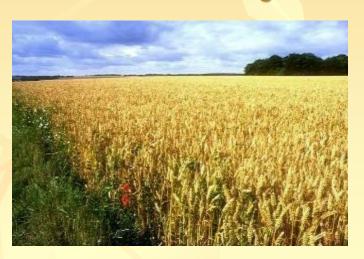
"What we're discovering is, it's a perception that doing the right thing is more expensive," Gummer says. "It's not a reality. . . . I haven't been a month over budget, on food or anything else."

Even if it were, a hospital comes out ahead, Gummer says. "When you're looking at food costs and health costs, you can't look at, 'How much per pound am I paying?' You have to look at the whole picture. Healthier people use less health-care resources."

## **Baby Steps**

"It started slowly: from salad greens, to organic carrots and other vegetables, and whole fruits to patients as part of the meal. It's taken a good year, baby steps at a time, to where our cafeteria customers and visitors could select organically grown whole fruit."

- FS Credit 1: Sustainable Food Policy and Plan
- FS Credit 2: Sustainable Food Education and Promotion
- FS Credit 3: Local, Sustainably Produced Food Purchasing
- FS Credit 4: Reusable & Non-Reusable Products
- FS Credit 5: Hospital Supported Agriculture: Food and Farm Linkages
- FS Credit 6.1: Food Donation and Composting
- FS Credit 6.2: Food Services Recycling
- FS Credit 7: Food Vendors
- FS Credit 8: Chemical Management for Food Services





Food Service

Credits



## Food Service

## Operational Credits



RAISED & HANDLED

SALMON

## **Eco-labels**





Products	Animal Welfare Approved	Bird Friendly	Certified Humane Raised & Handled	Certified USDA Organic	Fair Trade Certified	Food Alliance Cert.	Marine Steward -ship Council	Protected Harvest	Rainforest Alliance Certified	Salmon Safe
Beef/ Bison	Х		Х	Х		Х				Х
Lamb	X		Х	Х		Х				Х
Pork	X		X	X		X				
Poultry	Х		X	Х		Х				
Coffee		Х		Х	Х			i	X	
Tea				Х	Х				Х	
Fruit Juices				Х					Х	Х
Wine				Х						Х
Milk			X	Х		Х				Х
Eggs			X	X		X				X
Cheese			Х	Х		Х				
Yogurt				Х						
Fruit				Х	Х	Х		X	X	Х
Vegetables				Х		Х		X		Х
Breads				Х						
Cereals				Х						
Grains				Х	Х	Х				
Sugar				X	X					
Processed Foods				X		X				
Cocoa				X	X				X	
Chocolate				Х	Х				X	
Nuts				Х		Х				
Oils				Х		Х				
Snacks				Х						
Premade soups				Х						
Fish							X			











## **Choosing Environmentally Preferable Food Service Ware**



#### Reusable and Sustainable Biobased Products

Disposable food service ware-plates, bowls, cups, cutlery, clamshells and other products—is widely used in hospitals. Disposable products provide some benefits to hospitals—ease of use, minimal maintenance and reduced dishwashing needs. Yet, most of these single-use items end up in landfills, incinerators, or the world's oceans where they can cause significant harm to humans and the environment. Other potential negative impacts include:

- Depletion of nonrenewable resources-fossil fuels;
- Contribution to global warming;
- Generation of air and water pollutants from manufacturing, shipping and disposal;
- Introduction of toxic chemicals into the environment during production, use and disposal; and
- Contamination of food from leaching chemicals.

In recent years, biobased disposables have emerged as an alternative to traditional products. These products are made in whole, or in part, from renewable materials, such as corn, potatoes, sugar cane waste and perennial grasses. Though not new to the market, products made from renewable forestry materials including paper are also categorized as biobased in this document. The renewability of agricultural and forestry resources is a significant environmental attribute. Also, these products have an environmental advantage if they are composted. However, the production, use and disposal of biobased disposables may also negatively impact human and environmental health depending on a variety of factors, such as methods used to produce and harvest the renewable materials and toxicity and persistence of chemical additives used. For these reasons, it is important to choose biobased food service ware carefully.

#### Food Service Ware Materials: Environmentally Preferable Purchasing (EPP) Hierarchy

The raw materials used to make a product can have a significant impact on its overall environmental performance. To assist health care purchasers in choosing environmentally preferable food service ware, Health Care Without Harm (HCWH) has created the following

purchasing preference hierarchy for food service ware materials based on the environmental performance of these products across their life cycle:

Most Preferred	Reusable Food Service Ware
More Preferred	Biobased Products—Beyond Baseline Sustainability Criteria
Preferred	Biobased Products—Baseline Sustainability Criteria
Less Preferred	Biobased Products—Do not meet Baseline Sustainability Criteria
Least Preferred	Fossil Fuel-based Disposable Products

#### Most Preferred: Reusable Food Service Ware

Reusable food service ware requires far fewer material resources, uses much less energy, and generates much lower levels of air and water pollutants and less solid waste in its production, use and disposal than similar disposable products.<sup>1,2</sup> Switching to reusable products can also result in significant cost savings.3 To maximize the environmental benefits of reusable food service ware, hospitals need to use energy and water efficient appliances. Additionally, when purchasing reusable products it is important to avoid items made from materials whose production, use and disposal can have detrimental human and environmental health impacts. including plastics made from polystyrene, polyvinyl chloride (PVC), polyethylene terephthalate (PET) or polycarbonate. Instead choose lead-free ceramic ware or products made from glass, stainless steel, biobased materials, polyethylene or polypropylene. See the Resources section for informational aides including an on-line calculator to determine cost savings of switching to reusable cups and bowls.



## FoodM€d 2007

A National Health Care Conference on Healthy Food sponsored by Health Care Without Harm

June 28th and 29th, 2007 Boston Seaport Hotel and Conference Center, MA

#### **Breakout Tracks:**

- Obesity and the Food System
- Antibiotics, Arsenic and Poultry
- Sustainable Meat Production
- Food Waste Management
- Farmers Markets and Onsite

#### Gardens

- Understanding Food Certification
- Food Miles and local procurement
- Healthy Vending and Catering
- Case Studies











www.foodmed.org



## RESOURCES

- Health Care Without Harm Food Workgroup www.healthyfoodinhealthcare.org
  - -list serve, pdfs, papers, newsletter, conference updates
- FoodMed Conference <u>www.foodmed.org</u>
- Healthy Food Pledge <u>www.noharm.org/us/food/pledge</u>
- Green Guide for Healthcare www.gghc.org

