

WPI

Sustainable Urban Gardens

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Problem

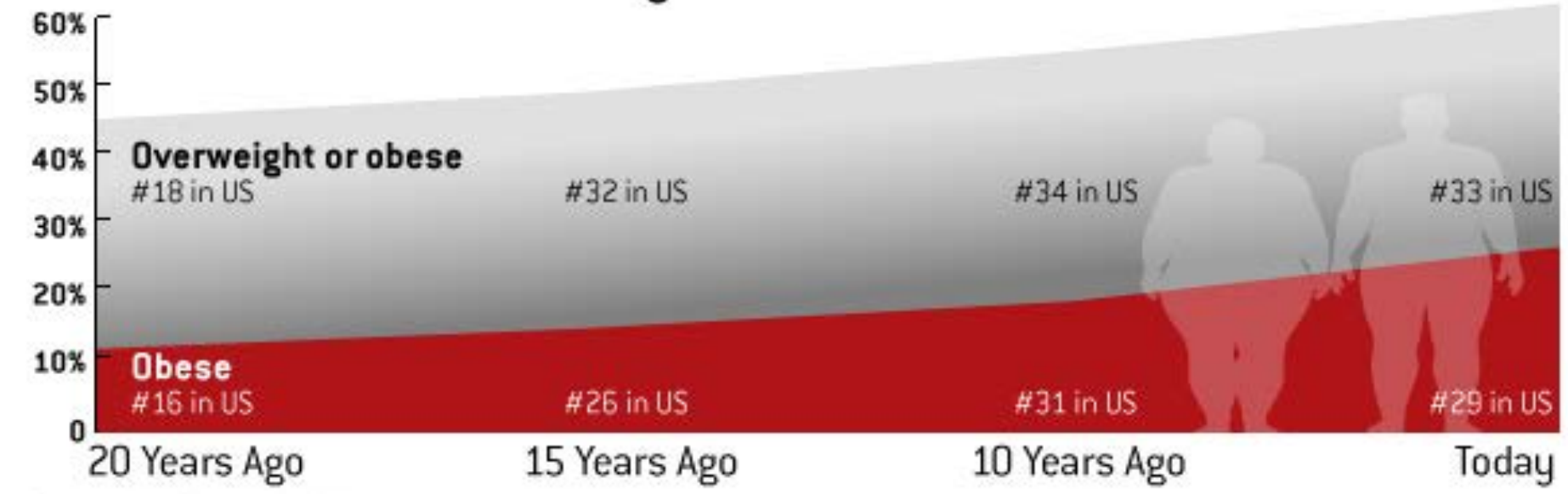
- Food deserts → no access to nutritious food within a 10 mile radius
- Food deserts cause obesity
- No transportation

Data

Obesity in Florida:

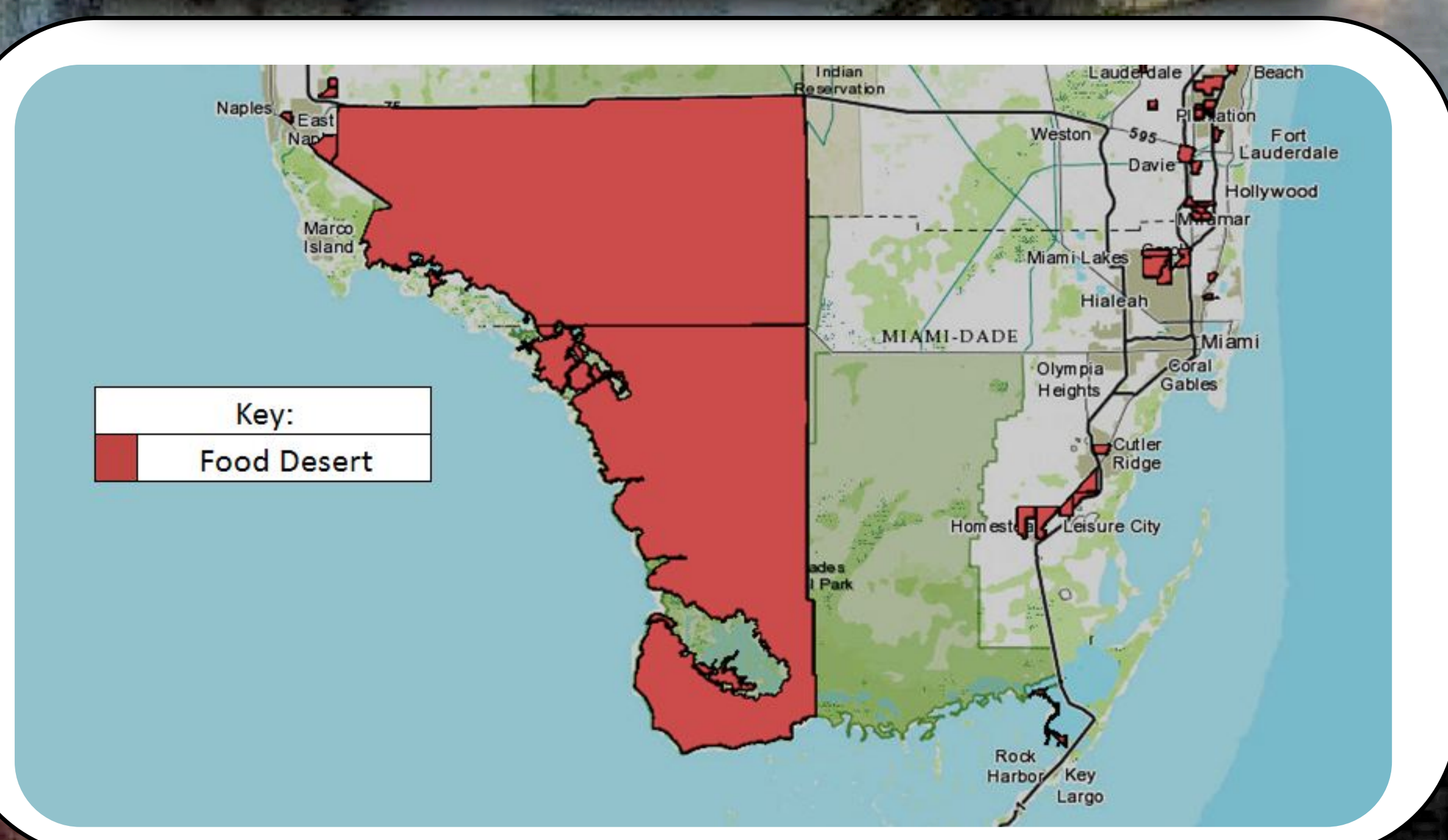


Florida's Historical Obesity Rate 1990 - 2010



Source: Trust for America's Health
 Fat in Fat: How Obesity Threatens America's Future 2011
<http://healthgAmericans.org/assets/files/TFAN2011FatInFat10.pdf>
 lobbytoolsresearch

Food Deserts in Southern Florida



Urban Garden Model



Solutions

- Rooftop Gardening
- Window Gardening
- Container Gardening
- Garden in a Sack

Benefits/Costs

Method	Benefit	Cost (\$)	Example Crops
Rooftop Garden	accessible food	30-200 per ft ²	cucumbers, lettuce, cantaloupe
Window Gardening	use recycled materials, food is inside	20 per window	cherry tomatoes, herbs
Container Gardening	food in backyard, use recycled materials	45 per household	carrots, celery, beans, cucumbers
Garden in a Sack	takes up little space, food is accessible	30 per sack	potatoes, tomatoes, onions

Approach/Means/Mechanism

- Provide knowledge
- Make Gardening kits available

Assessment Plan

- Observe changes made

References

- http://farm5.staticflickr.com/4149/4985810349_ab52fffb04_b.jpg
- <http://images.cdn.fotopedia.com/flickr-3330375606-hd.jpg>
- http://farm5.staticflickr.com/4079/4809148962_e0c0c770cb_b.jpg
- <http://lobbytools.smugmug.com/Other/Poll-Graphics/i-tW7NM2p/0/O/Obesity-072711-v6.png>
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- http://our.windowfarms.org/files/2010/06/100_2912.jpg