Your Health Matters: Nutritious Eating







1: Introduction

Acknowledgement

This curriculum was created by The University of Texas School of Public Health, Brownsville Regional Campus with partial funding from the University of Texas Community Outreach supported by the Texas Department of State Health Services (DSHS).











Knowledge Questionnaire





Nutritious Eating Program Goals

Expand understanding about why proper nutrition is important for a healthy life.

Demonstrate how eating right helps reduce risk for chronic diseases.

Empower participants to make healthy food choices and counsel clients with meal planning strategies.

Provide a curriculum which gives Community Health Workers the knowledge and skills about nutritious eating to impart to their communities.

This curriculum provides the nutrition component to compliment the *Your Health Matters: Fitness for Life* curriculum.



Nutritious Eating Learning Objectives

- Describe the obesity epidemic and its implications to health.
- Describe how the energy balance influences healthy weight maintenance or weight loss.
- Give examples of how food portions have changed in the past 20 years and the implications of these changes.
- Recognize the Go-Slow-Whoa concept and give an example of each type of food.

More...



Nutritious Eating Learning Objectives

- Identify the six basic nutrients.
- Explain the Nutrition Facts food labels and state the low and high percentages for the daily values.
- Plan a healthy meal.



Nutritious Eating Program Materials CD

PowerPoint Presentations, Handouts, Information Sheets, Activities, and Videos

INTRODUCTION

MEAL PLANNING

ENERGY BALANCE

CONCLUSION

PORTION DISTORTION

BONUS MATERIAL

HEALTHY EATING

Diabetes Information and

Activities

THE BASIC NUTRIENTS

APPENDICES

THE NUTRITION FACTS

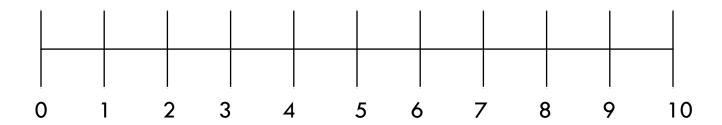
Glossary

LABEL

Additional Resources

Handouts

How prepared do you feel to educate people about healthy food choices?





So why are we here? ...

Obesity is an Epidemic

#1 health problem facing American children

A defining public health challenge for the next half-century

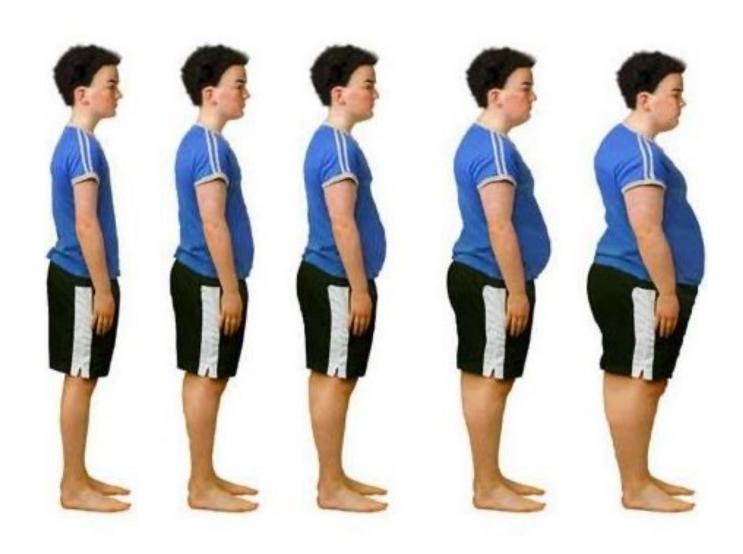
The most challenging public health problem ever faced







What is Obesity?



Adult Overweight & Obesity

Body Mass Index (BMI)

DEGREE OF BODY FAT BASED ON HEIGHT AND WEIGHT

	Normal					Overweight				Obese							Extreme Obesity																			
ВМІ	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Height (inches))															Body	Wei	ght (p	pounds)																	
58	91	96	100	105	110	115	119	124	129	134	138	143	148	153	158	162	167	172	177	181	186	191	196	201	205	210	215	220	224	229	234	239	244	248	253	258
59	94	99	104	109	114	119	124	128	133	138	143	148	153	158	163	168	173	178	183	188	193	198	203	208	212	217	222	227	232	237	242	247	252	257	262	267
60	97	102	107	112	118	123	128	133	138	143	148	153	158	163	168	174	179	184	189	194	199	204	209	215	220	225	230	235	240	245	250	255	261	266	271	276
61	100	106	111	116	122	127	132	137	143	148	153	158	164	169	174	180	185	190	195	201	206	211	217	222	227	232	238	243	248	254	259	264	269	275	280	28
62	104	109	115	120	126	131	136	142	147	153	158	164	169	175	180	186	191	196	202	207	213	218	224	229	235	240	246	251	256	262	267	273	278	284	289	29
63	107	113	118	124	130	135	141	146	152	158	163	169	175	180	186	191	197	203	208	214	220	225	231	237	242	248	254	259	265	270	278	282	287	293	299	30
64	110	116	122	128	134	140	145	151	157	163	169	174	180	186	192	197	204	209	215	221	227	232	238	244	250	256	262	267	273	279	285	291	296	302	308	31
65	114	120	126	132	138	144	150	156	162	168	174	180	186	192	198	204	210	216	222	228	234	240	246	252	258	264	270	276	282	288	294	300	306	312	318	32
66	118	124	130	136	142	148	155	161	167	173	179	186	192	198	204	210	216	223	229	235	241	247	253	260	266	272	278	284	291	297	303	309	315	322	328	33
67	121	127	134	140	146	153	159	166	172	178	185	191	198	204	211	217	223	230	236	242	249	255	261	268	274	280	287	293	299	306	312	319	325	331	338	34
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70	132	139	146	153	160	167	174	181	188	195	202	209	216	222	229	236	243	250	257	264	271	278	285	292	299	306	313	320	327	334	341	348	355	362	369	37
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73	144	151	159	166	174	182	189	197	204	212	219	227	235	242	250	257	265	272	280	288	295	302	310	318	325	333	340	348	355	363	371	378	386	393	401	40
74	148	155	163	171	179	186	194	202	210	218	225	233	241	249	256	264	272	280	287	295	303	311	319	326	334	342	350	358	365	373	381	389	396	404	412	42
75	152	160	168	176	184	192	200	208	216	224	232	240	248	256	264	272	279	287	295	303	311	319	327	335	343	351	359	367	375	383	391	399	407	415	423	43
76	156	164	172	180	189	197	205	213	221	230	238	246	254	263	271	279	287	295	304	312	320	328	336	344	353	361	369	377	385	394	402	410	418	426	435	44

For adults 20 years and older

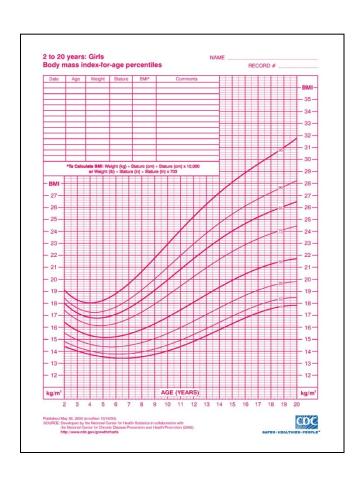
Overweight BMI of 25 to 29.9

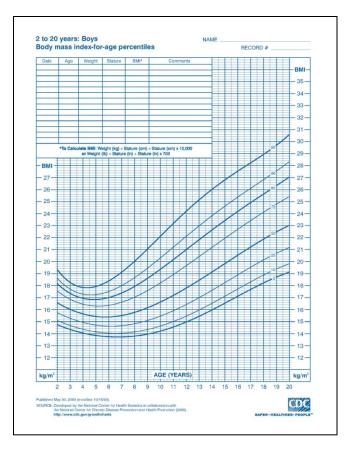
Obese BMI of 30+

Extremely Obese BMI of 40+

Childhood Obesity

BMI-for-age Growth Charts





For children 2 to 19 years

Overweight BMI between 85th and 95th percentile

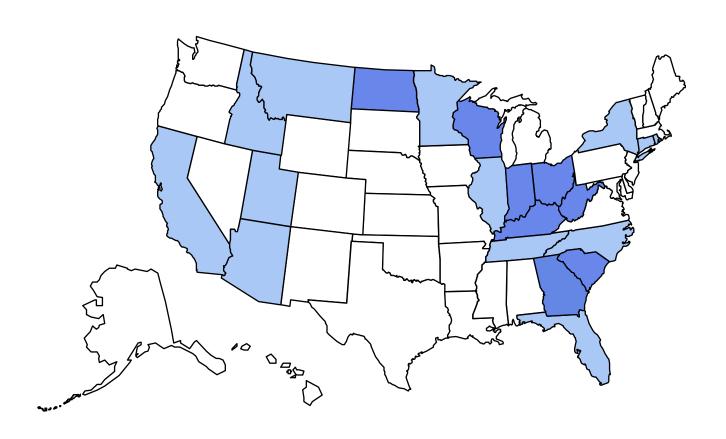
Obese BMI at or above 95th percentile

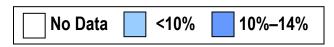
Why Do We Care?

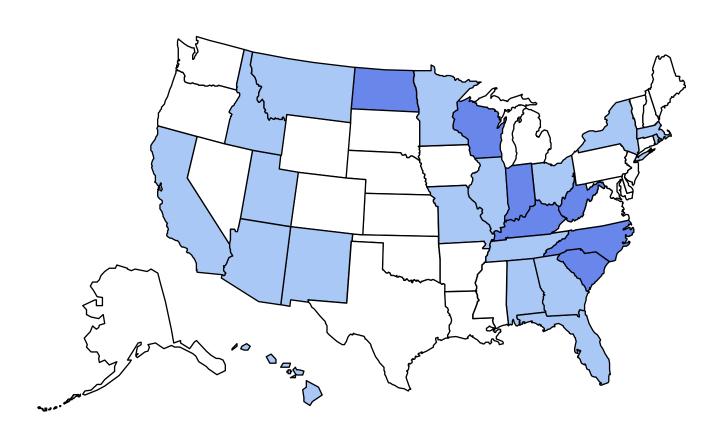
Obesity is a major risk factor for:

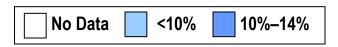
- Cardiovascular disease
- High total cholesterol
- High blood pressure
- Type 2 diabetes
- Stroke
- Liver disease
- Gall bladder disease
- Certain cancers
- Osteoporosis

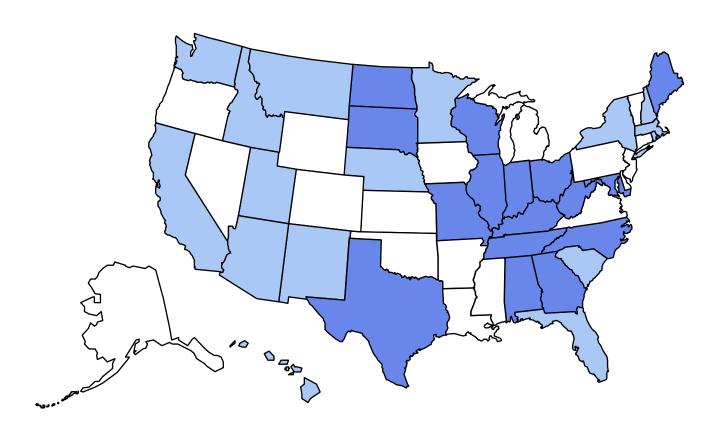


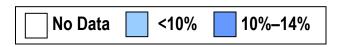


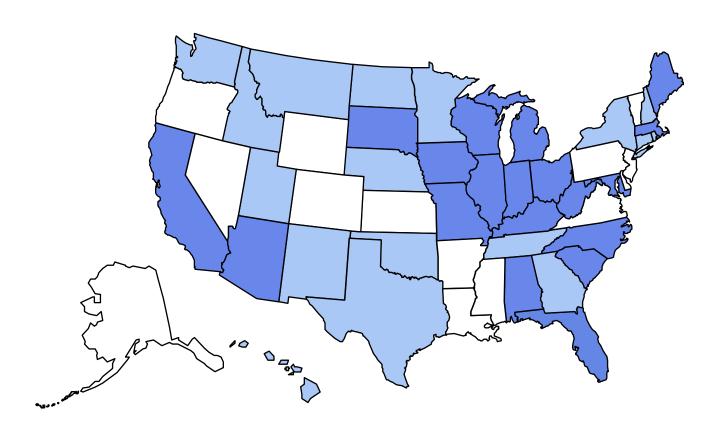


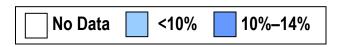


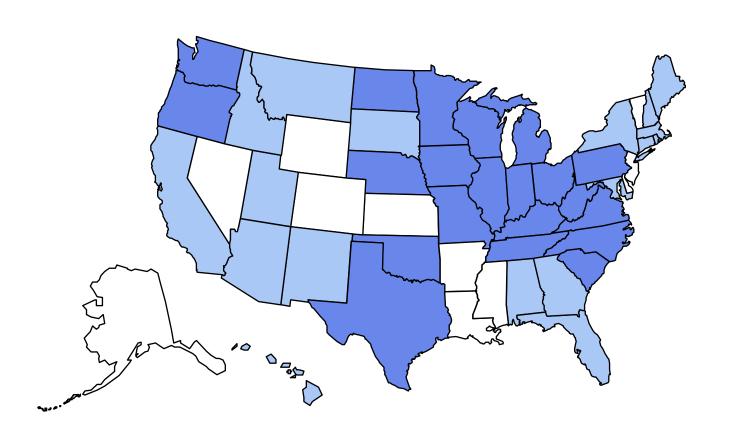




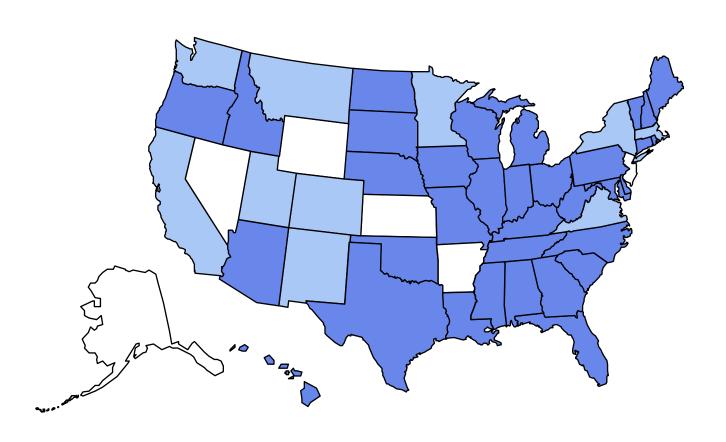


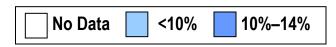


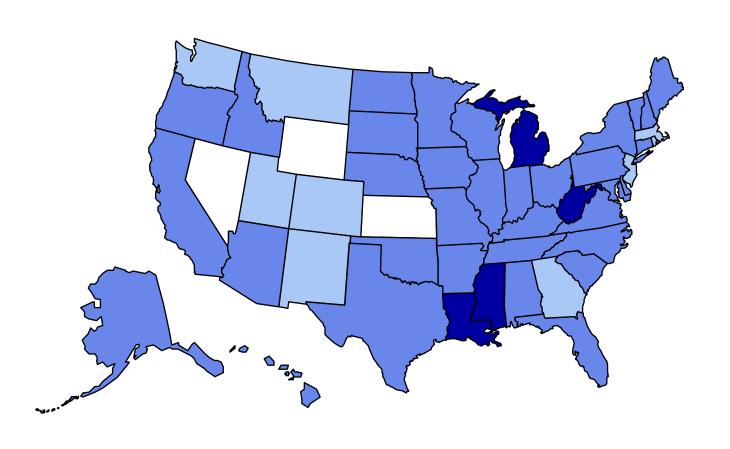


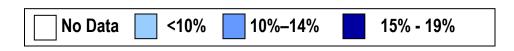


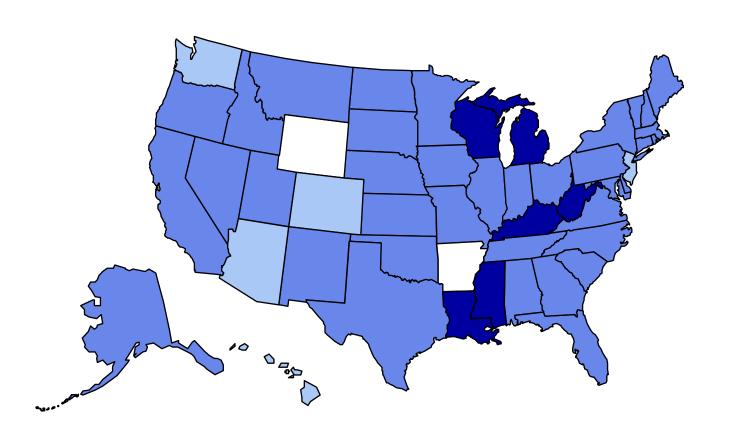


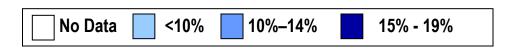


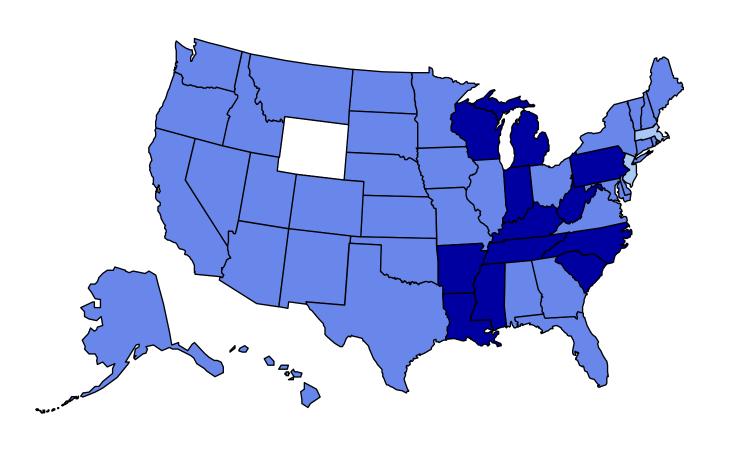




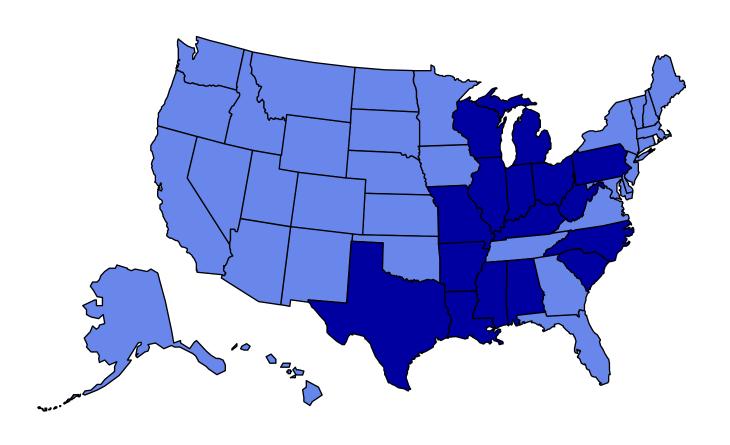


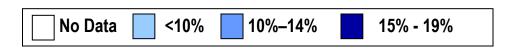


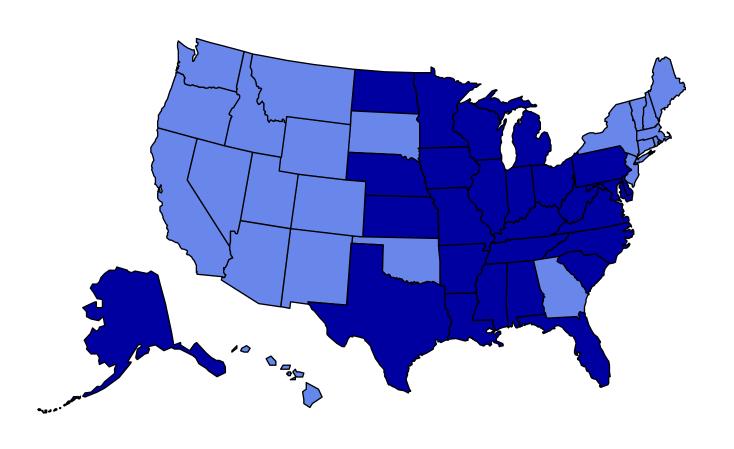


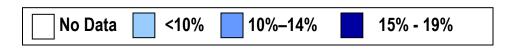


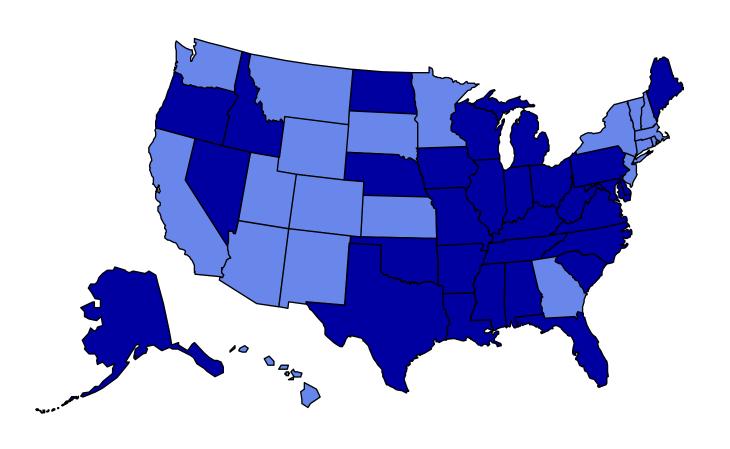




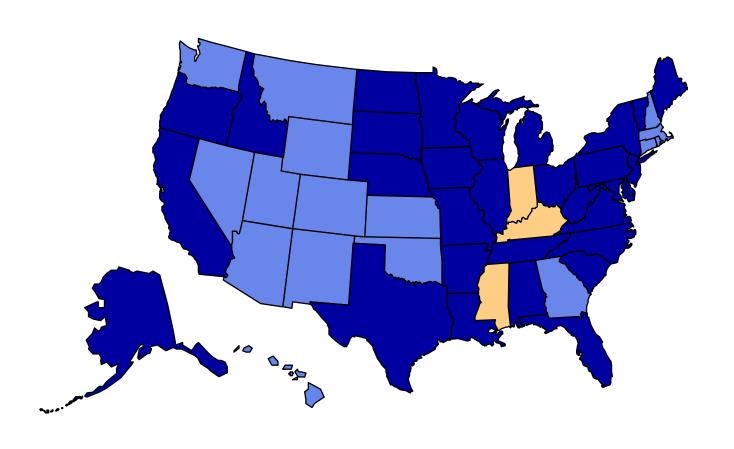


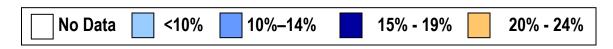


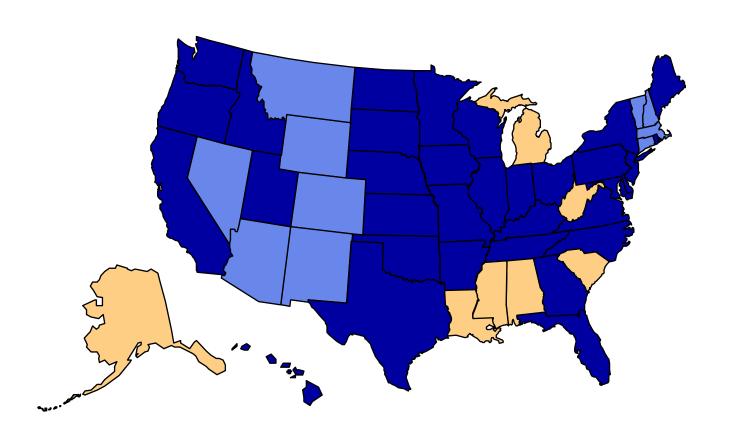


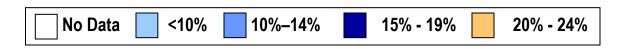


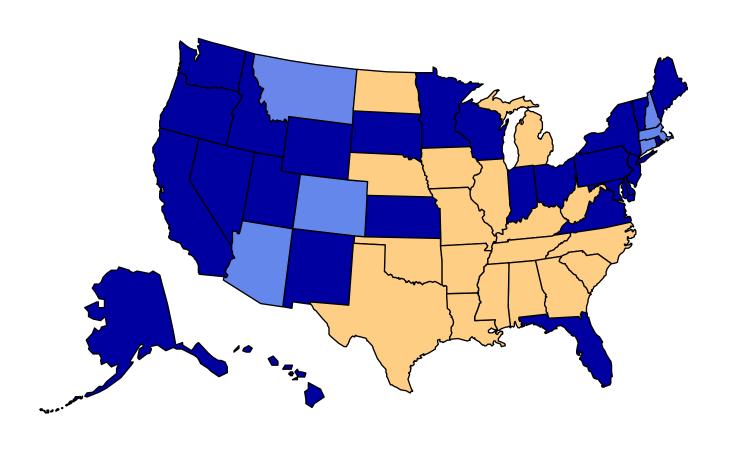


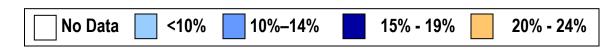


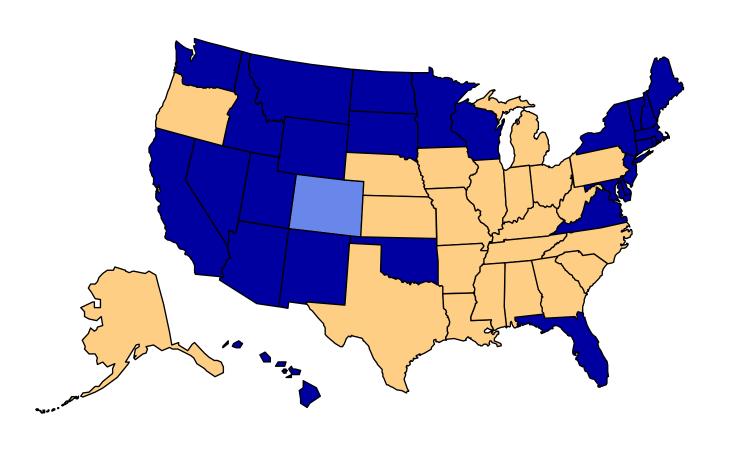




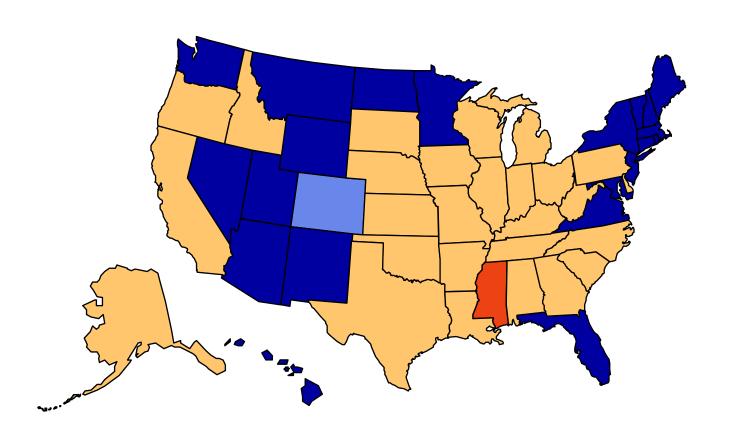


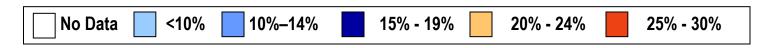


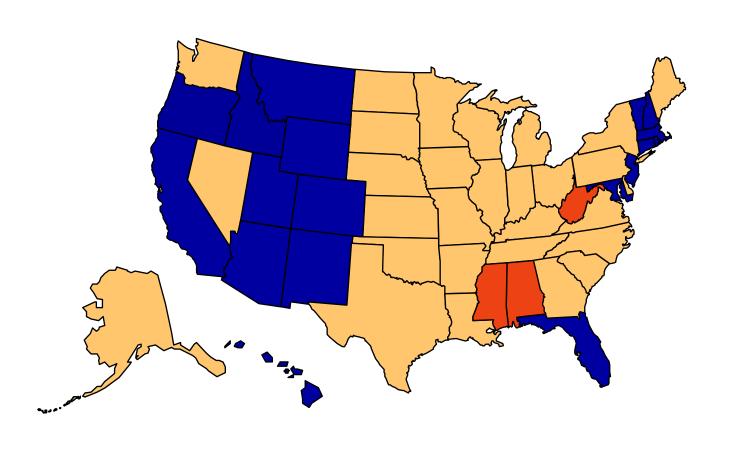


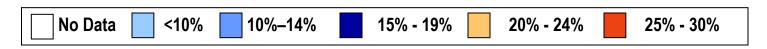


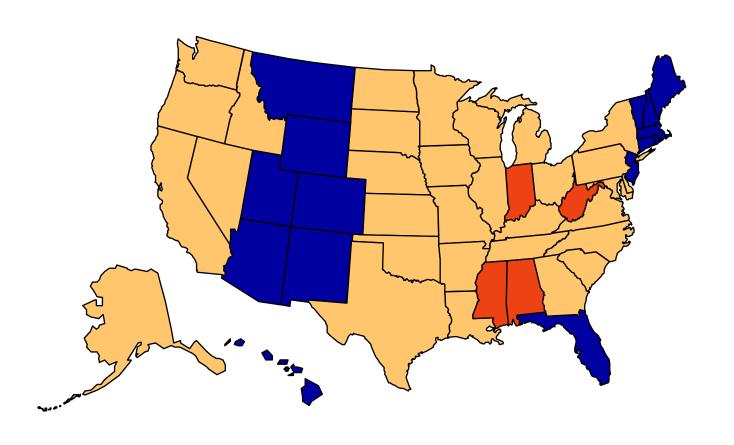


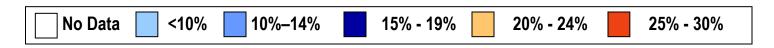


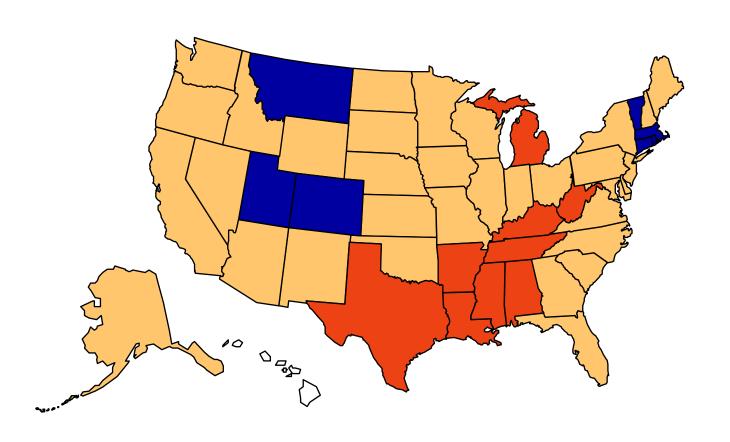


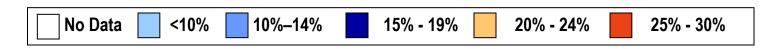


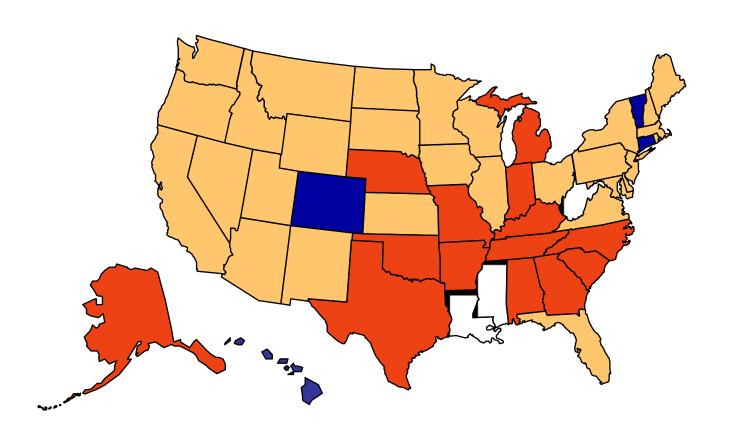


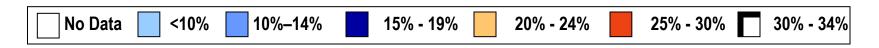


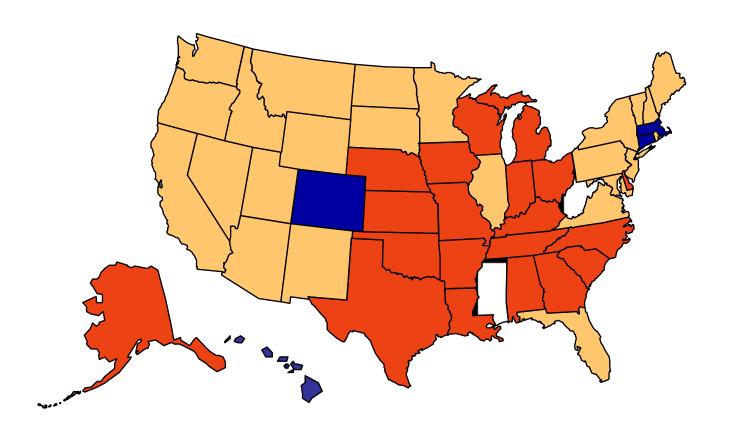


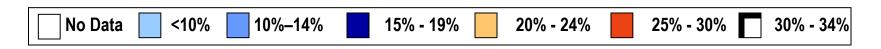


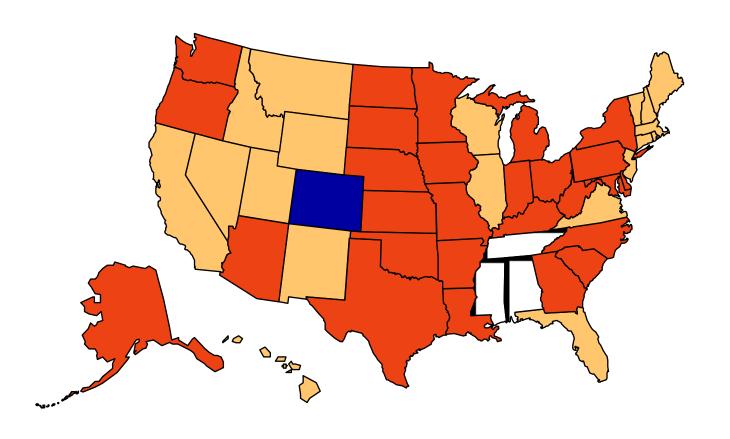


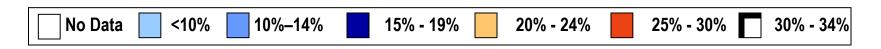


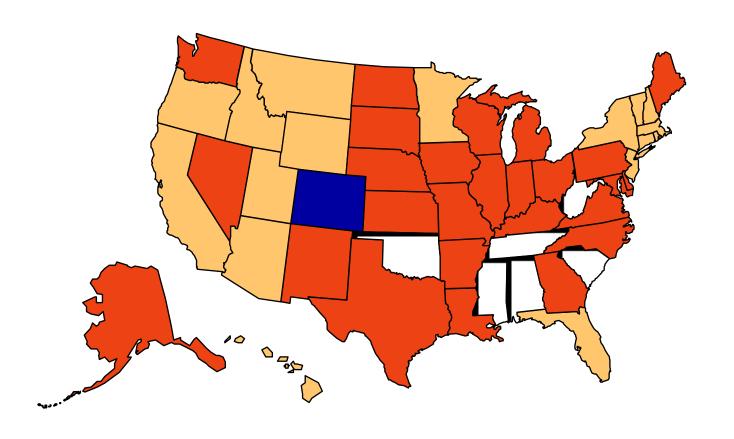


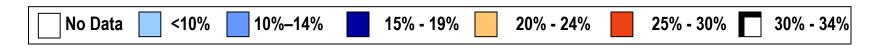


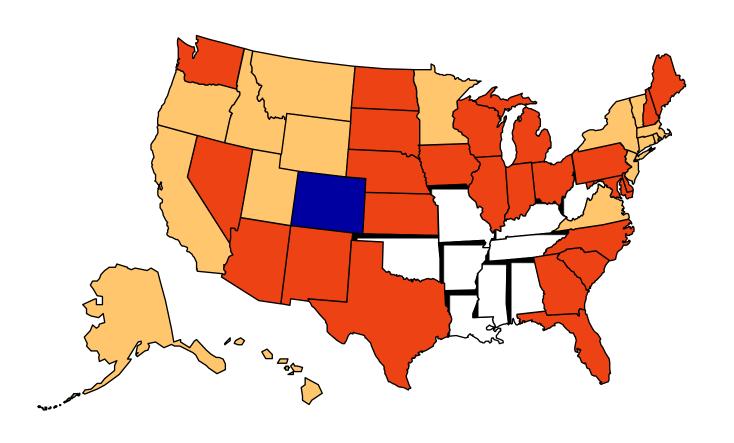


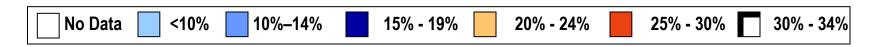


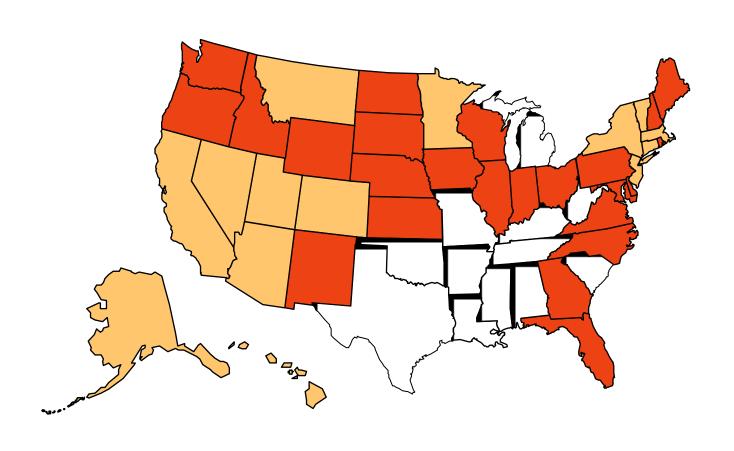


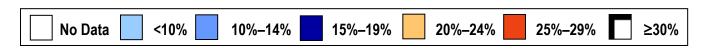








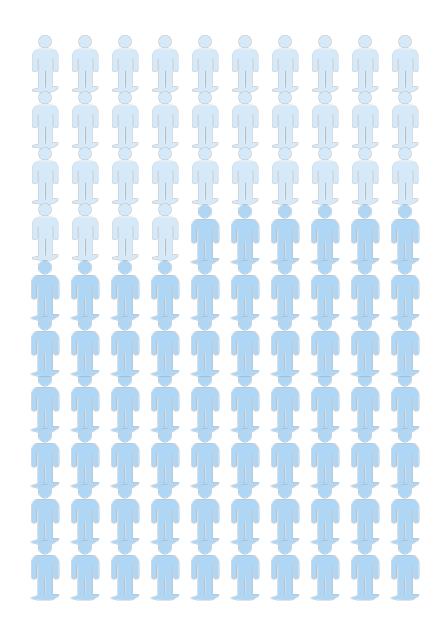




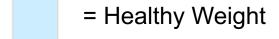
66% of all Americans are **overweight** with a BMI above 25



= Overweight

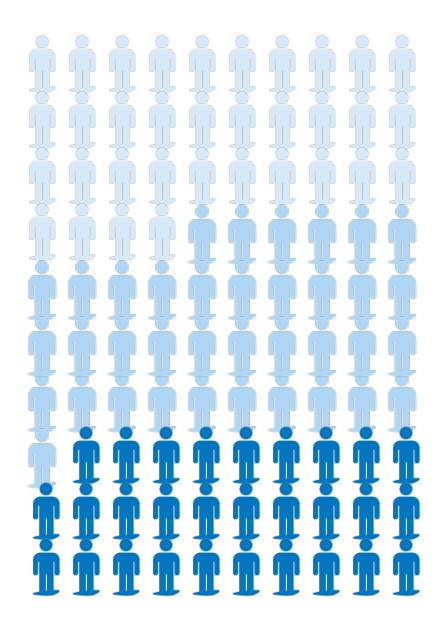


29% of all Americans are **obese** with a BMI above 30



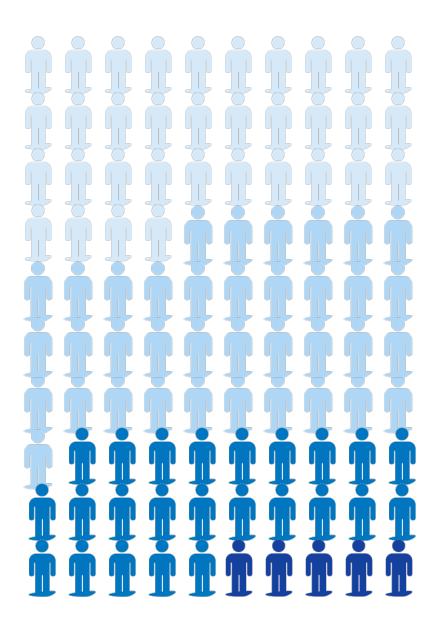
= Overweight

= Obese



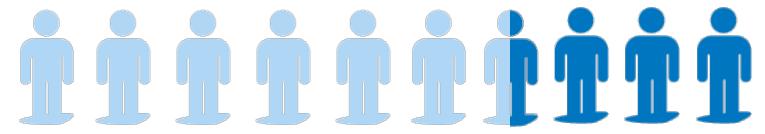
5% of all Americans are **extremely obese** with a BMI above 40

- = Healthy Weight
- = Overweight
- = Obese
- = Extremely Obese

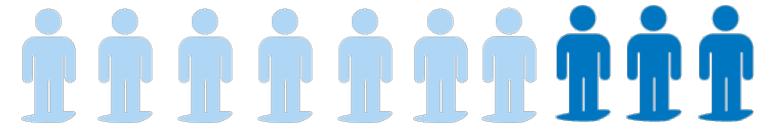


Adult Obesity By Race

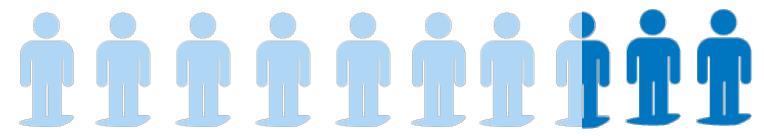
For Non-Hispanic Black Americans - 36% are obese



For Hispanic Americans - 29% are obese

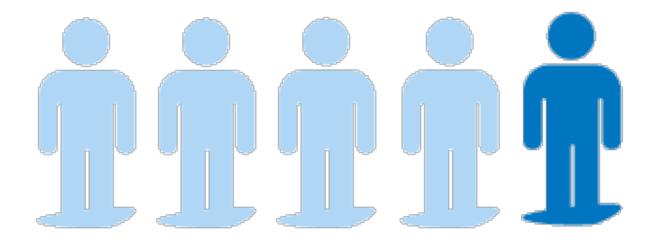


For Non-Hispanic White Americans - 24% are obese



= Healthy Weight

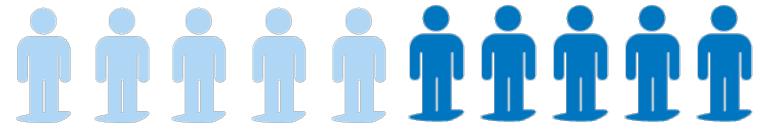
Children today have a lower life expectancy than their parents



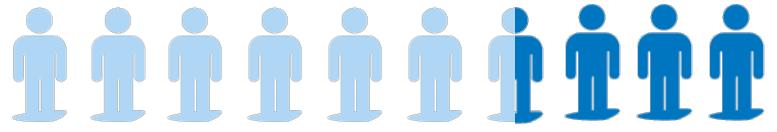
17% of American children (approximately 1 in 5) age 2 to 19 years old are obese

Childhood Obesity

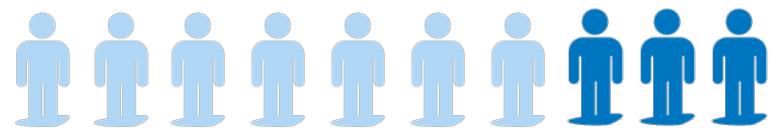
For Non-Hispanic Black children age 12 to 19 years old - 49% are obese



For Mexican American children age 12 to 19 years old - 34% are obese



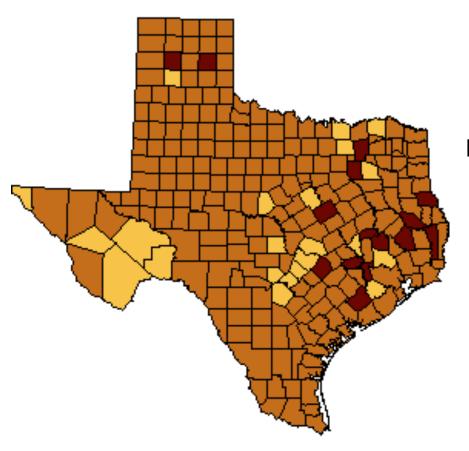
For Non-Hispanic White children age 12 to 19 years old - 31% are obese



= Healthy Weight
= Obese

Adult Obesity in Texas

2008 Estimates of the Percentage of Adults Age ≥20 Who Are Obese in Texas

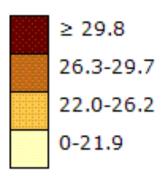


Cameron County (Brownsville) – 26.7%

Galveston County (Galveston) – 27.2%

Nueces County (Corpus Christi) – 27.7%

Webb County (Laredo) – 28.2%



What are the health problems created by obesity?

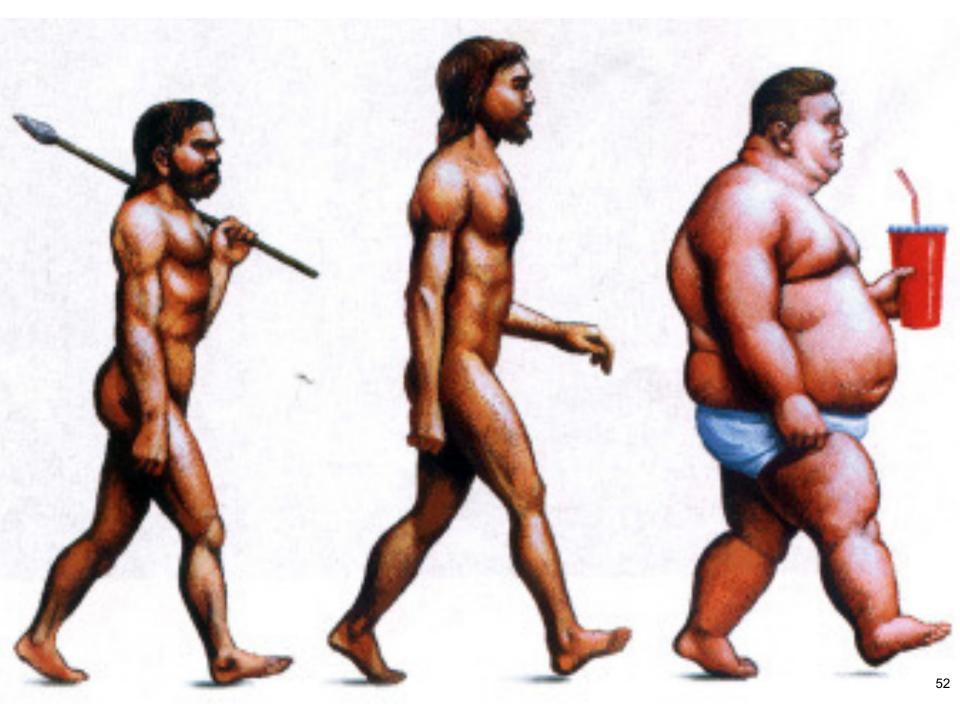
Consequences for Obese Individuals



Why do we "eat ourselves to death" ?!?



Because we can.

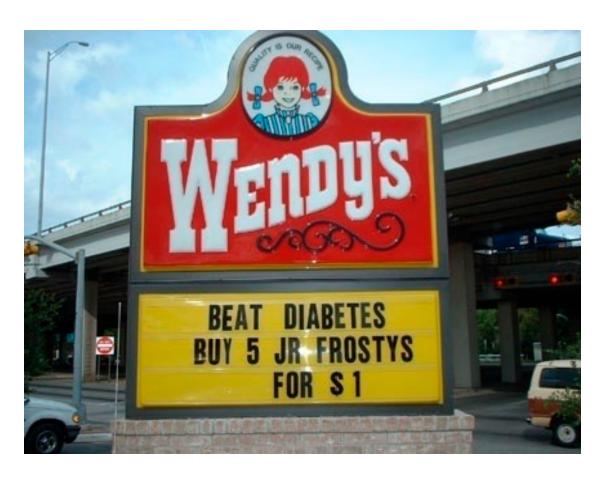


How did we get here?

- Not a simple question.
- Many factors make this complex.
- Most simple answer:
 - Eating more
 - Moving less
 - Treatment mostly ineffective

Toxic Environment:

Inexpensive unhealthy food available everywhere





Toxic Environment



Cradle to Grave Marketing

Toxic Environment: Junk Food as Early Education



Toxic Environment: Conflicting Messages



Toxic Environment: Food Advertising



Food, beverages, candy \$7,313,200,000

Restaurants and fast food \$5,061,000,000

Eating Behaviors

What is the most influential factor that determines how much children and adults eat?

- A. Hunger
- B. Mood
- C. PORTION SIZE
- D. Time of Day

Adults & Children eat more if given a larger portion size

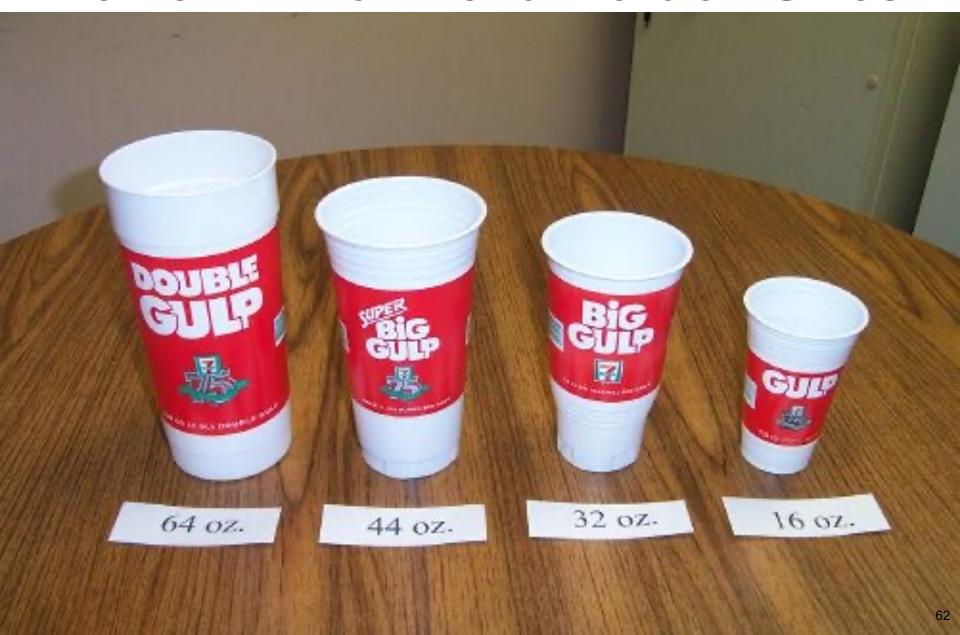
- Children 3-5 years old ate 25% more of an entrée when given portions that were double an age-appropriate standard size.
 - Fisher, et al. Am J Clin Nutr 2003, v.77
- Adults ate more food when given larger portions and rated hunger and satiety the same
 - Rolls, et al. J Am Diet Assoc. 2004, v.104



Toxic Environment: Portion Sizes

- Original McDonald's burger, fries and 12 ounce soft drink: 590 Calories
- Super Size Extra Value Meal Quarter Pounder with cheese, super size fries and a super size soft drink: 1,550 Calories
- Go Active! Happy Meal one of McDonald's four Premium Salads, a fountain drink of choice or bottled water, a Stepometer™ to track one's daily steps, and an informative booklet. (California Cobb Salad + medium soft drink): 580 kcal

Toxic Environment: Portion Sizes





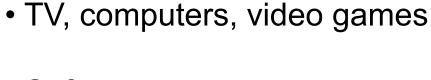
The Heavy Cost of Fat National Geographic, August 2004

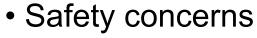


The Heavy Cost of Fat National Geographic, August 2004

Toxic Environment: Moving Less













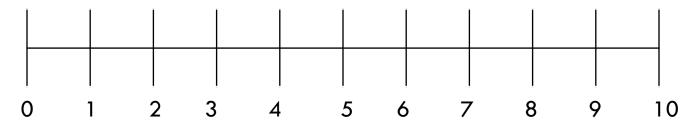






"On a scale of 0-10, how important is it to plan and eat fresh fruits and vegetables and whole grains?

HOW IMPORTANT IS IT?



Not important at all

Very important





Community Health Workers can help bring about change with health promotion.

Let's begin!

Switch to Energy Balance PowerPoint