

CALORIE COUNTING DEBUNKED

INFOGRAPHIC BUNDLE

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THE COST OF GETTING LEAN

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THE COST OF GETTING LEAN:

IS IT REALLY WORTH THE TRADE-OFF?

SIX-PACK ABS. TIGHT BUTTS.

LEAN, VIBRANT, FLAWLESS HEALTH. THAT'S THE IMAGE THE FITNESS INDUSTRY IS SELLING.

What you have to do more of? What you have to give up? Make no mistake, there are real trade-offs. Let's talk about what they are.

But have you ever wondered what it really costs to achieve that cover model look?

UNHEALTHY

Benefits

Athletes at this

level of body fat

Almost none.

Easy fallback for some folks.

thought or work. **Tradeoffs**

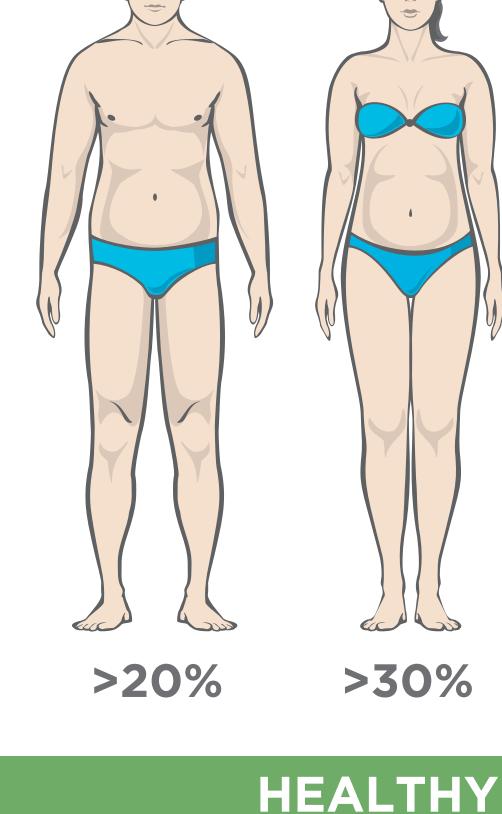
Does not require much

Low energy levels.

Poor health.

Poorer life expectancy. Risks of metabolic syndrome.

May need medications to manage various conditions.



Eat processed foods. • Eat big portions.

Eat quickly. • Do less

Do more



Exercise of any kind. o Eat fewer whole foods. Sleep less. •

Do more

Eat slowly until satisfied

at 60% of your meals.

VERY EASY TRANSITION

Off-season elite bodybuilders. Olympic shot putters.

Athletes at this

level of body fat

College aged athletes.

Improved health & energy. Improved sleep. Exercise is easy and enjoyable.

Tradeoffs

and planning.

You'll look good

Benefits

but not super lean.

Athletes at this

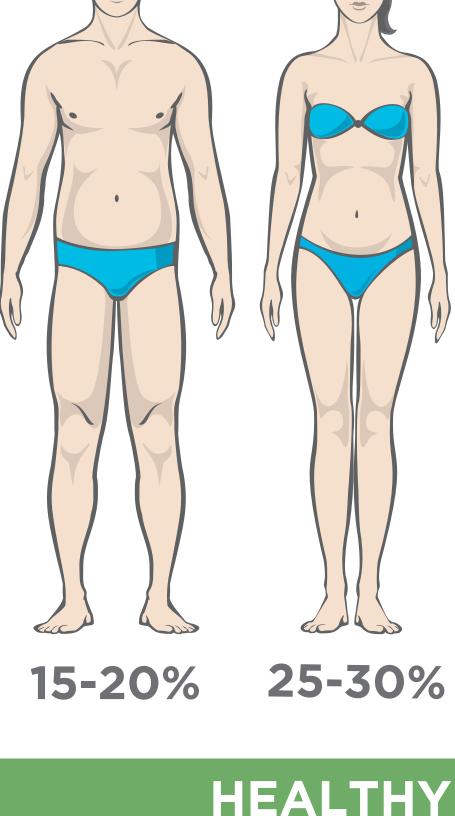
level of body fat

Olympic canoe and kayak athletes.

Professional baseball players.

Professional softball players.

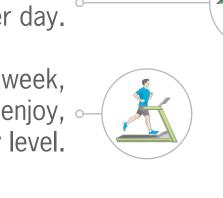
Requires some thought



Include 1-2 fists of vegetables in 1-2 meals per day. Exercise 3-5 times per week, any activity you enjoy, any intensity level.

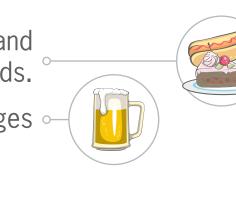
Include 1-2 palms of protein dense

foods in 1-2 meals per day.



Eat fewer desserts and processed foods. Drink fewer caloric beverages

Do less



Do more Eat slowly until satisfied at 75% of your meals.

day.

EASY TRANSITION

Benefits Fairly easy to maintain. Energy levels will continue

to improve.

Will probably be able to reduce or eliminate many medications. **Tradeoffs**

may require minor social sacrifices,

e.g. exercising instead of hanging

Requires some planning and

out with friends at a bar.

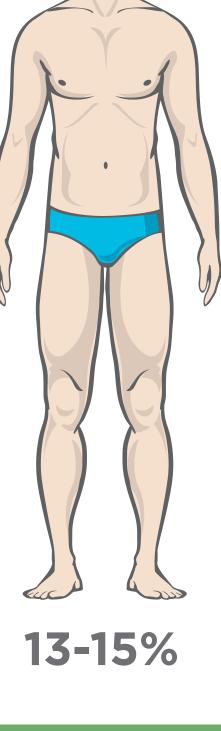
to maintain this much sleep. May require some increased food prep skills and effort.

May require effort and attention

Athletes at this level of body fat Olympic swimmers.

Professional hockey players.

Olympic volleyball players.



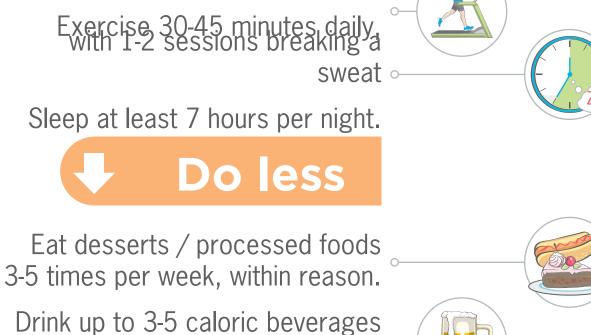


in 2-3 meals per day. Exercise 30-45 minutes daily with 1-2 sessions breaking a Sleep at least 7 hours per night. Do less

Include 1-2 palms of protein

dense foods in 2-3 meals per

Include 1-2 fists of vegetables



MEDIUM TRANSITION

Do more

Eat slowly until satisfied

at 90% of your meals.

Include 1-2 palms of protein dense foods in each meal.

in each meal.

per week.

overall health. Fewer food cravings due to balanced diet and exercise regime.

Fit appearance and good

Benefits

Relatively easy to maintain once practices become habitual. **Tradeoffs**

Requires a greater time

amount of consistency.

Requires more planning and

greater overall attention to diet.

commitment for the more consistent exercise regime. May need assistance or coaching to achieve this

level of body fat Olympic level boxers and wrestlers.

Olympic level gymnasts.

Will probably look extremely

lean; will have that six-pack.

Overall health will probably be

good due to carefully balanced

and minimally processed diet.

Athletes at this

Olympic sprinters

(100-400 meters).

Benefits





carbs at most meals.

Include 1-2 fists of vegetables

Include 1-2 thumbs of healthy fats

and 1-2 cupped handfuls of quality

Exercise 45-60 minutes daily, with 3-4 sessions breaking a sweat. Sleep at least 7-8 hours per night. Do less Eat desserts / processed foods

1-2 times per week, within reason.

Eat slowly until satisfied

Include 1-2 palms of protein

Exercise 60-75 minutes daily,

with 4-5 sessions breaking a sweat.

Sleep at least 8 hours per night.

or designated higher carb days.

Eat desserts / processed foods

dense foods in each meal.

at 95% of your meals.

fats in each meal.

Do less

Limit carbs to post-workout o



Include 1-2 fists of fibrous vegetables in each meal. Include 1-2 thumbs of essential

Will likely have high work capacity and good stamina. **Tradeoff**

opportunities outside of exercise. May have to give up other hobbies and interests outside fitness.

Elite bodybuilders on contest day.

Athletes at this

Fitness models on

Benefits

an athletic goal.

food is involved.

family and friends.

and interests.

Tradeoffs

level of body fat

the day of the photoshoot.

May feel pride at achieving

Will have difficulty socializing

in most typical situations where

May miss out on fun events with

Big time commitment to measure,

contribute to disordered eating.

Time required for exercise may

crowd out all other pursuits

Hyper focus on diet and exercise may

weigh, and track all foods.

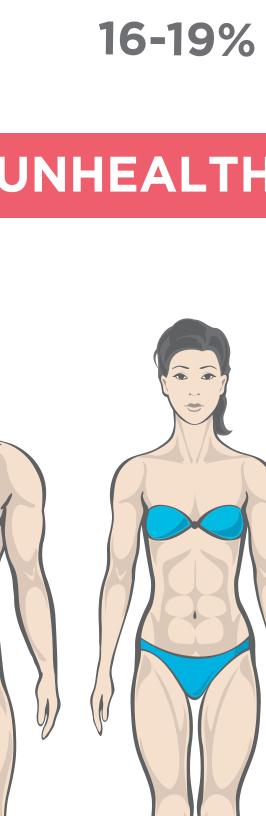
May struggle in social situations,

especially those involving food.

May not have time for social



<6%



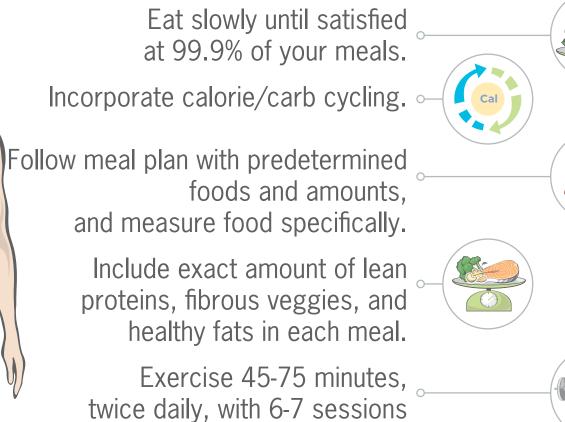
<16%

SIX-PACK ABS:

Aside from the heavy airbrushing and photoshop done in most

OOK BEHIND THE SCENES

once every 1-2 weeks, within reason. Drink a caloric beverage once oevery 1-2 weeks. **VERY HARD TRANSITION** Do more



breaking a sweat.

Do less

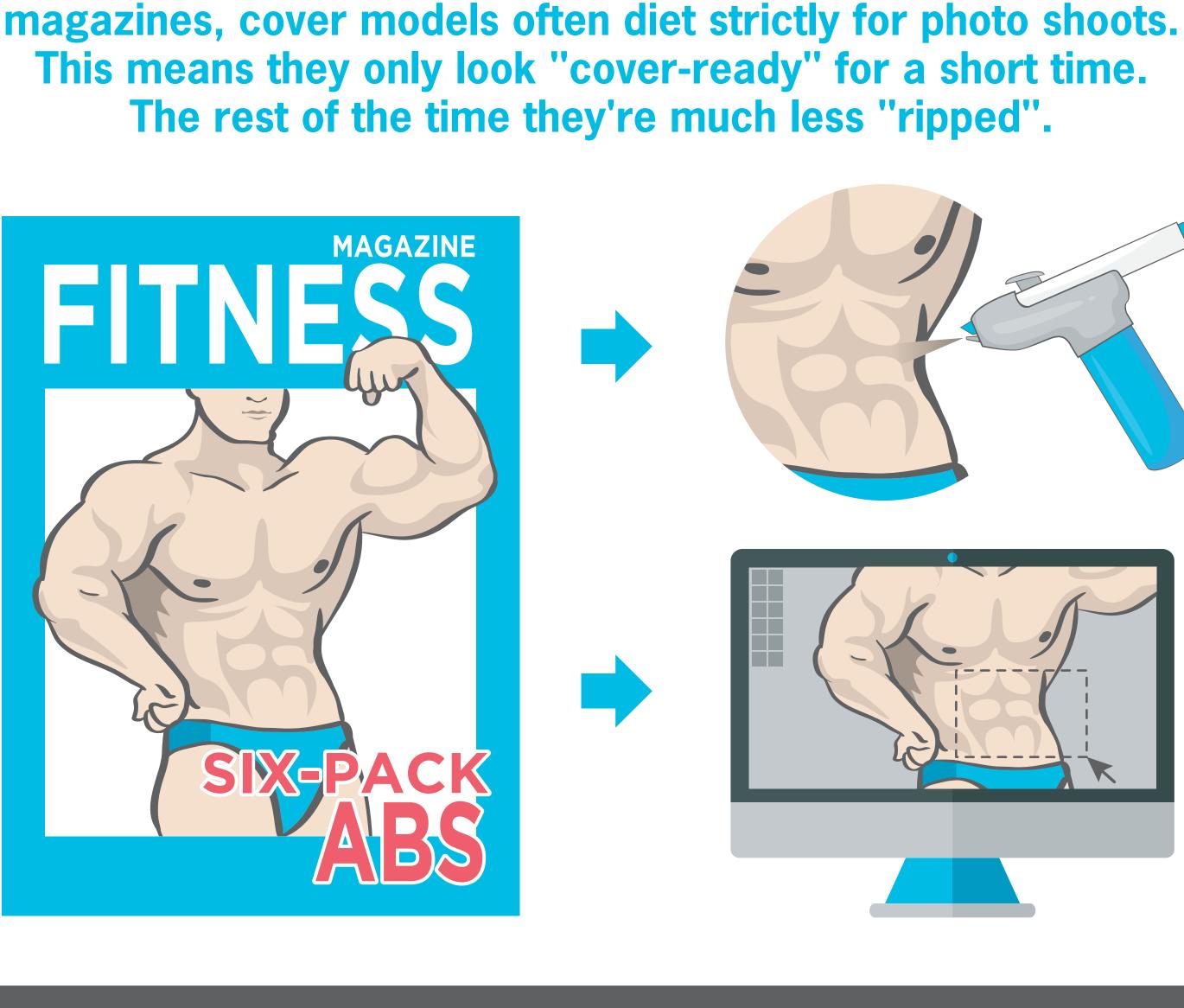
Limit carbs to post-workout

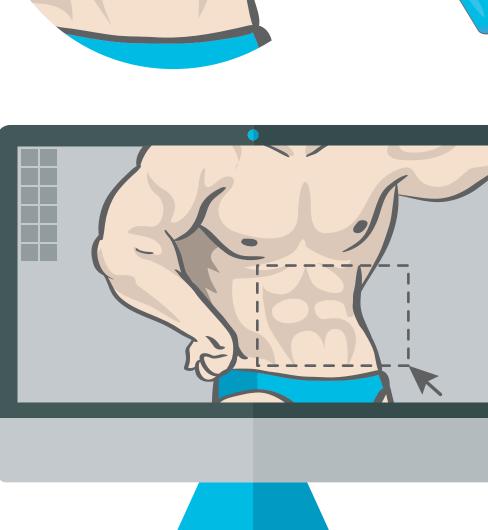
or designated higher carb days.

Eat desserts / processed foods

Sleep at least 8-9 hours per night.

once every 10-12 weeks. Avoid caloric beverages. •





LOSS OF SEX DRIVE **AMENORRHEA (IN WOMEN)** LOW TESTOSTERONE (IN MEN) **DISORDERED EATING SOCIAL ISOLATION** AN UNBALANCED LIFE

HEALTHY, ATHLETICALLY LEAN, OR SUPER LEAN?

IT ALL DEPENDS ON YOUR PRIORITIES AND GOALS.

THE LEVELS OF LEANNESS SEEN ON COVER

MODELS ISN'T NECESSARILY HEALTHY.

If you don't know what your priorities are, now's a great time to explore that.

Why?

are you willing to do those things?

FIRST, FIGURE THEM OUT.

NEXT, DECIDE FREQUENCY. How often, how consistently, and how precisely,

NEXT, DECIDE WHAT YOU'RE WILLING TO DO.

What will you do to serve those goals and priorities?

What are you unwilling to do? To trade off? To give up?

NEXT, DECIDE WHAT YOU'RE NOT WILLING TO DO.

Now you can make better decisions, leading to the body you really want, while living the life you really enjoy.

In fact, the type of severe dieting they often use can lead to:

THE SURPRISING PROBLEM WITH CALORIE COUNTING

PART 1: 'CALORIES IN'

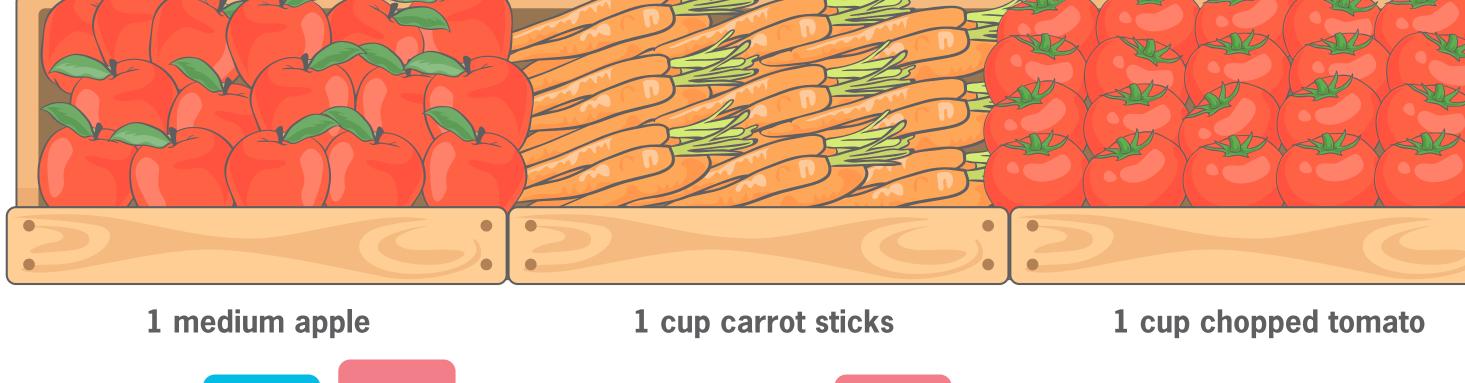
Most people who count calories for weight management assume it's an exact science. Here, 5 reasons why tracking the calories in your food is a flawed approach.

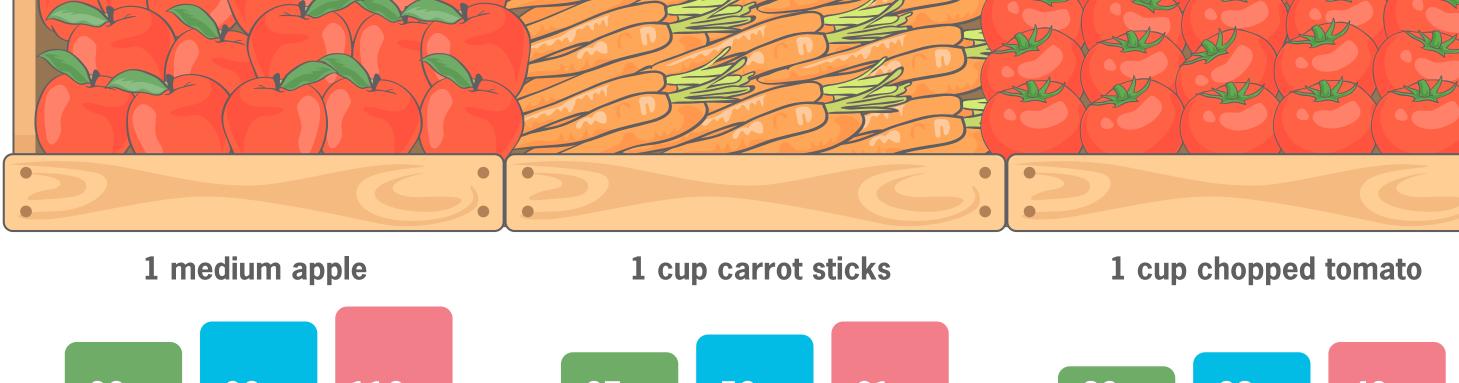
The calorie counts on food labels and in databases are averages. Research shows that

CALORIE COUNTS ARE IMPRECISE.

the true calorie content of what you're eating is often significantly higher or lower. CARROTS

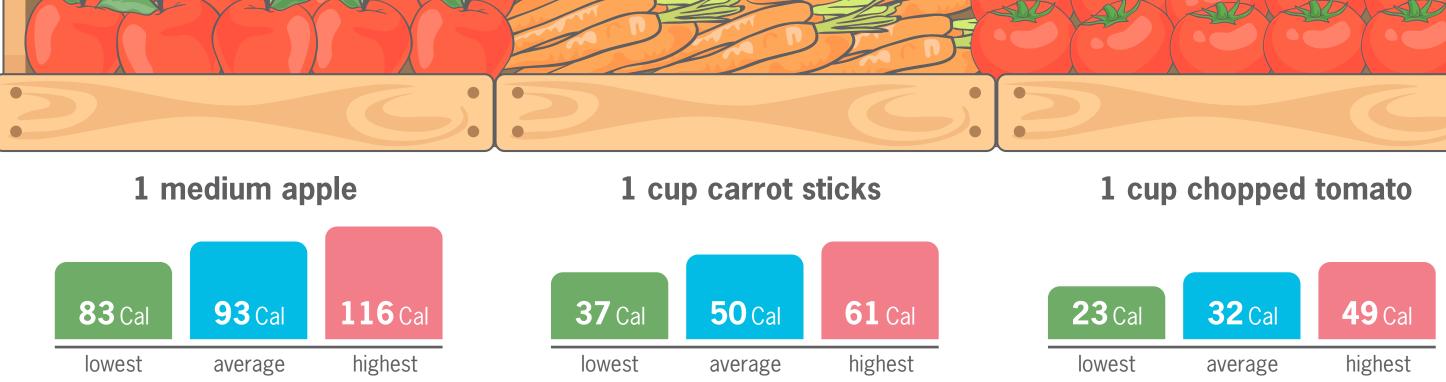






highest average

average



LEAN BEEF LOIN

SWEET POTATO



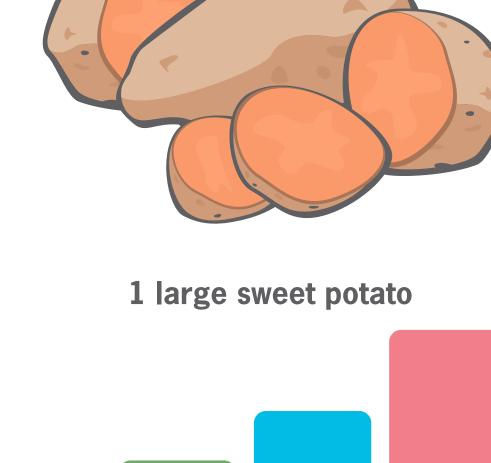
323 Cal **446** Cal **506** Cal

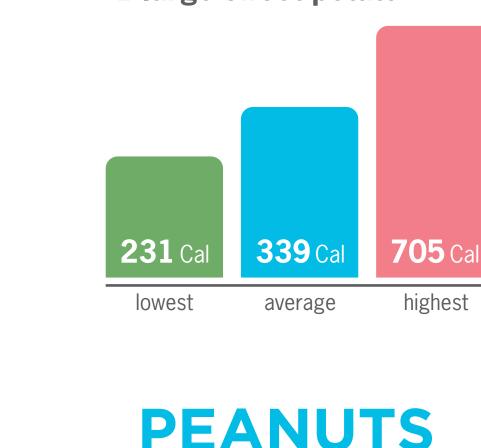
average

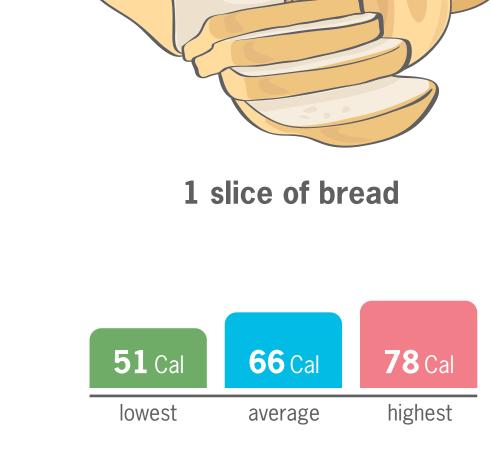
WHITE BREAD

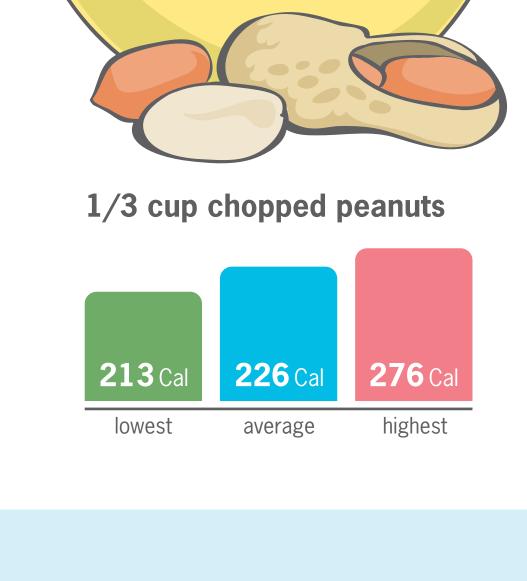
lowest

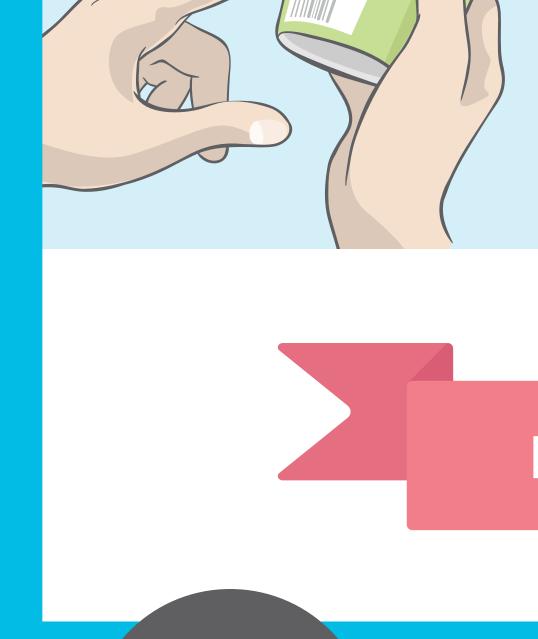
highest











ERROR: UP TO 50%*

WE DON'T ABSORB ALL OF THE

CALORIES WE CONSUME.

Food companies may use any of 5 different methods

to estimate calories, so the FDA permits inaccuracies

So "150 calories" actually means 130-180 calories.

Some calories pass through us

of up to 20%.

undigested, and this varies from food to food.

5.65 Cal

4.00 Cal

1G PROTEIN

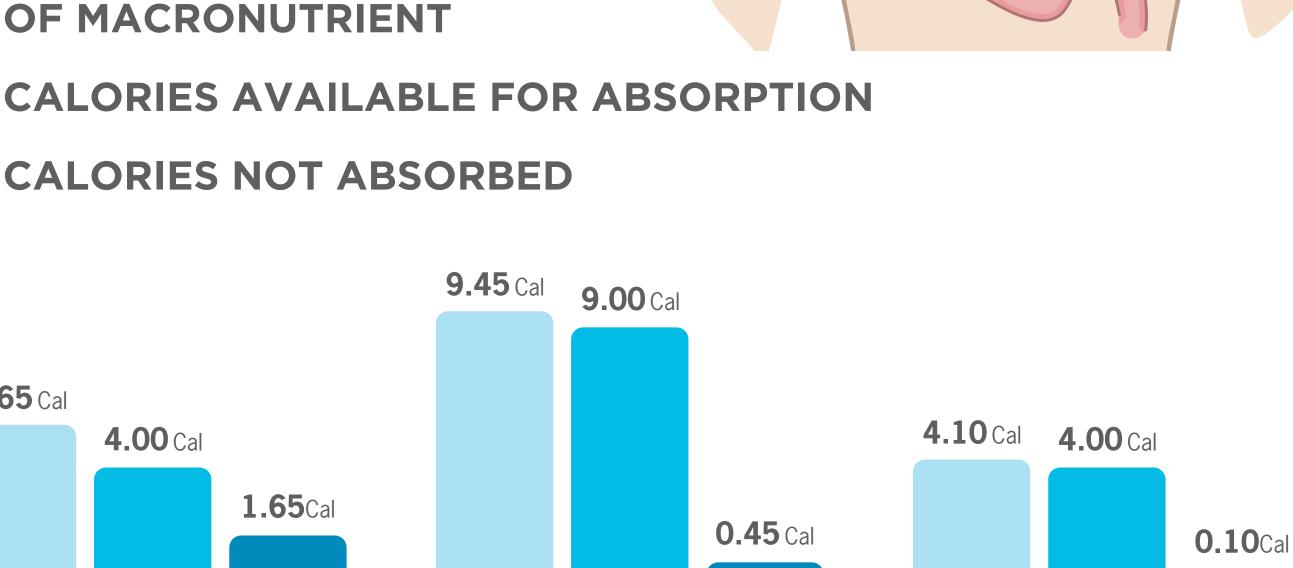
For decades, scientists have used this formula to come up with calorie counts that reflect only what we'll absorb:

9.45 Cal **9.00** Cal

TOTAL CALORIES PER 1 GRAM

CALORIES NOT ABSORBED

OF MACRONUTRIENT



1G CARBOHYDRATES

Only

95%

absorbed

BUT THIS FORMULA DOESN'T TELL THE WHOLE STORY, EITHER.

Only

68%

absorbed

28%

more calories

absorbed

1.65Cal

21% 12% 10% **15%** more calories more calories more calories more calories absorbed absorbed absorbed

BLACK BEANS TOMATOES KALE MANGO CABBAGE ORANGE (COOKED)

1G FAT

For example, the formula doesn't work for nuts and seeds,

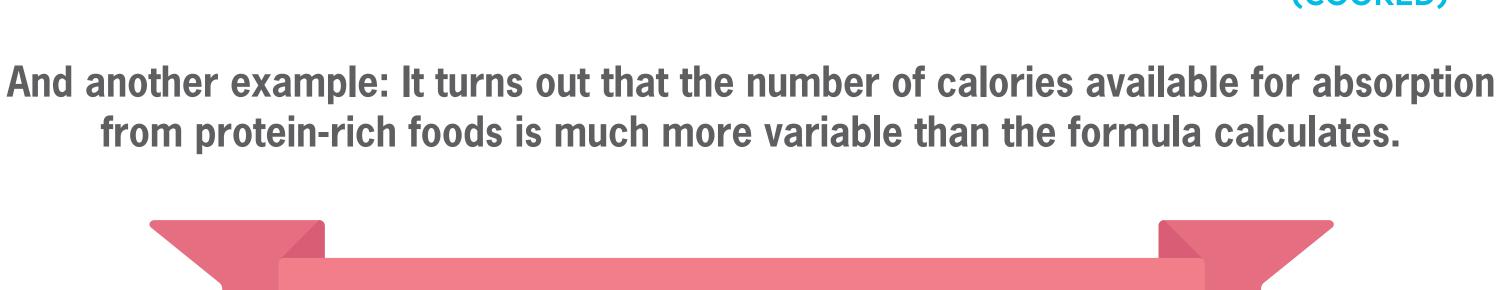
because we absorb fewer calories from them than calculated.

Another example: The formula is wrong about fiber-rich foods.

Only

79%

absorbed



47 Cal

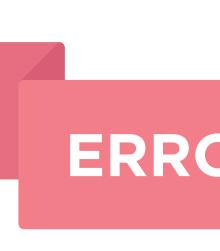
74 Cal

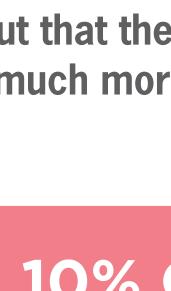
35%

17%

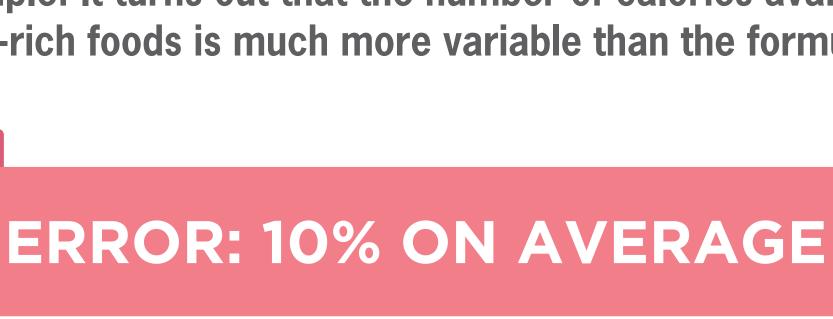
more calories

absorbed





absorbed



CHANGES ITS CALORIE LOAD.

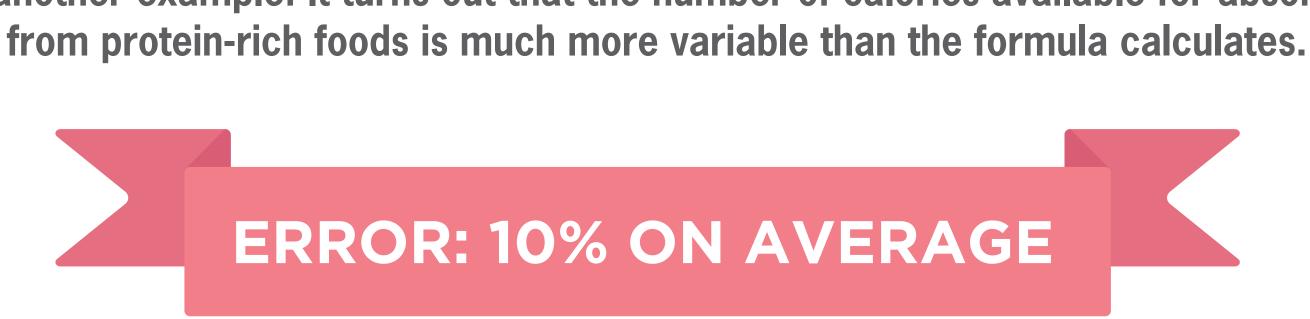
Cooking your food generally makes more of the calories available for absorption,

and food labels don't always reflect that.

196 Cal

240 Cal

CHOPPING OR BLENDING YOUR FOOD ALSO INCREASES CALORIES ABSORBED.





101 Cal

193 Cal

+111

calories

+120

calories

additional 1 tbsp

olive oil



additional 1 tbsp additional 1/2 cup +94 spaghetti peanut butter calories

+113

calories

additional 1 oz

cheese

Because...

Calorie counts are imprecise;

We don't absorb all of the calories we consume;

Studies show that people mis-measure portions about two thirds of the time,

so it's easy to accidentally consume a lot more calories than you intend to.



PUTTING IT ALL TOGETHER

How you prepare food changes its calorie load; Individuals absorb calories uniquely and variably; and People aren't great at eyeballing portion sizes...



SO, WHAT'S

For a much easier portion measurement system, see

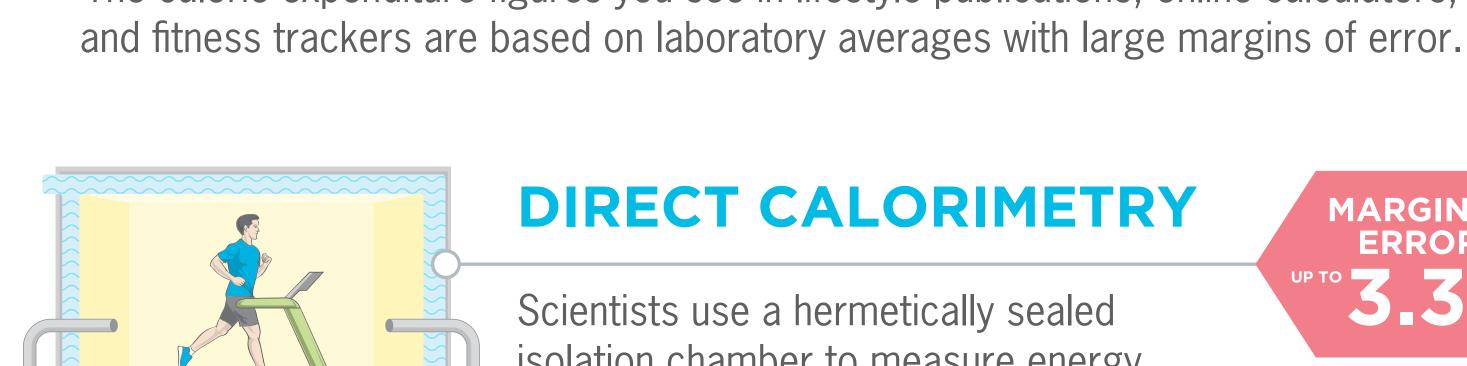
The Problem with Calorie Counting, Part 2

...calorie counting may not be worth the work.

THE SURPRISING PROBLEM WITH CALORIE COUNTING

PART 2: 'CALORIES OUT'

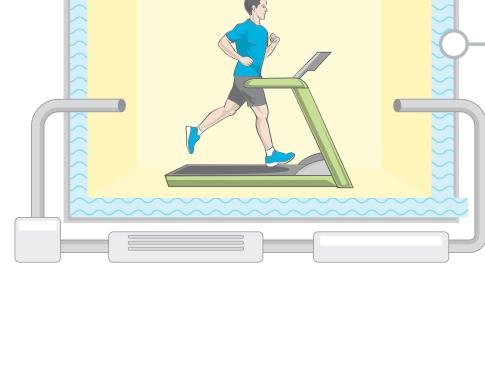
Most people who count calories for weight management assume it's an exact science. Here, 4 reasons why tracking the calories you burn can be problematic.



ARE IMPRECISE. The calorie expenditure figures you see in lifestyle publications, online calculators,

CALORIE BURN ESTIMATES

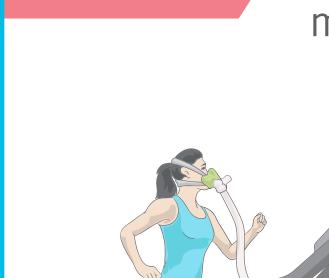
DIRECT CALORIMETRY



isolation chamber to measure energy burned. It's the most expensive method,

Scientists use a hermetically sealed

so it's rarely used. **DOUBLY LABELLED**



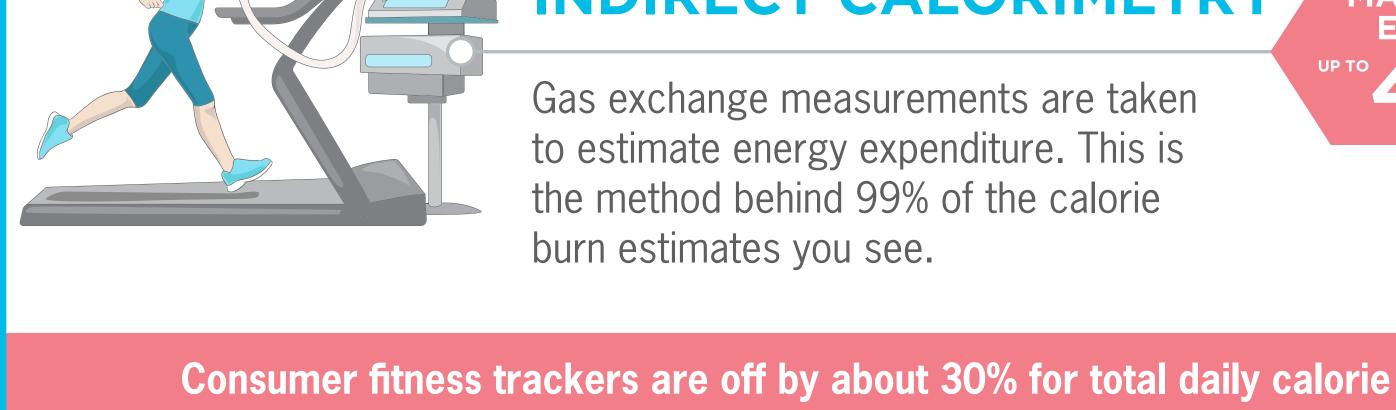
400

MARGIN OF

ERROR:

in body fluids over time to estimate average daily metabolic rate.

WATER METHOD Study subjects drink water containing medical isotopes, which scientists measure



INDIRECT CALORIMETRY

expenditure. And for aerobic exercise, the devices show errors between

9% and 23%. Here's what that looks like for a 300-calorie workout.

Gas exchange measurements are taken to estimate energy expenditure. This is the method behind 99% of the calorie burn estimates you see.

MARGIN OF ERROR:

371

339 338 338 337 331 330 328 **ERROR ERROR ERROR ERROR ERROR ERROR ERROR** 10.1% 10.4% 12.2% 12.6% 12.8% 9.3% 13.0%

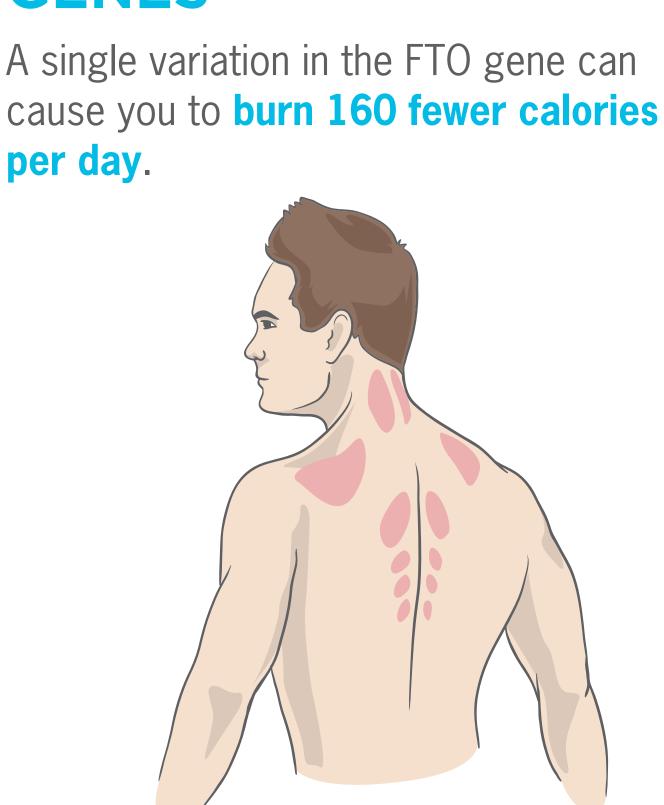


Many factors affect the true number of calories you'll burn during exercise and at rest.

INDIVIDUALS BURN CALORIES

UNIQUELY AND VARIABLY.

GENES EPIGENETICS



HORMONES Women's menstrual

cycle affects their

BROWN FAT

mitochondria) burn up to

In cold environments, people with

400 calories more per day than

In one study, people who ate

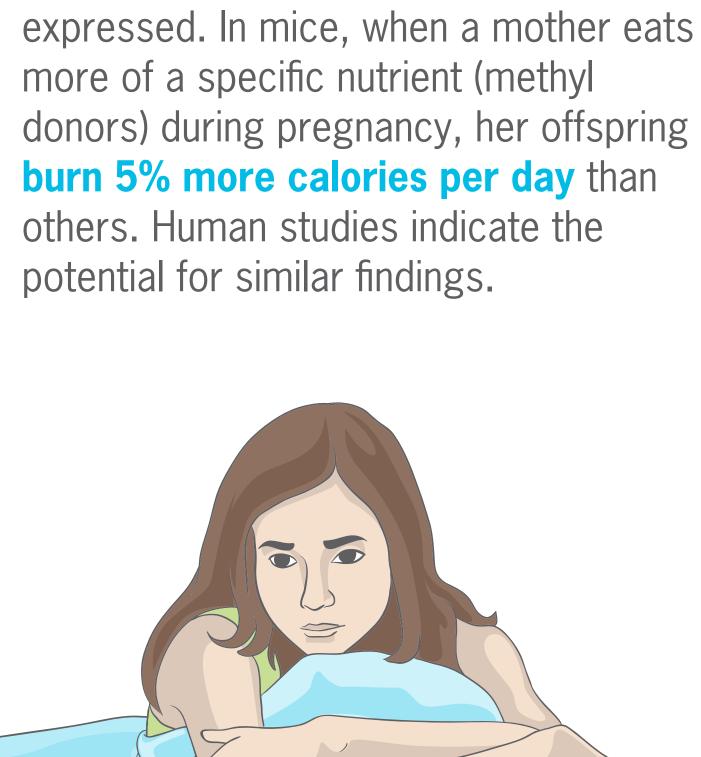
per day via brown fat activation.

brown fat (fat tissue containing more

people without it. Diet is also a factor:

capsaicin burned 120 more calories

BMR (CALORIES) resting metabolic rate. 1,400



Sleep deprivation for a single night

may decrease calories burned by

1,500

LUTEAL PHASE

• 1,588

External factors affect how genes are

FOLLICULAR PHASE

9 1,453

ERROR: UP TO 20%

PER DAY FOR

8 WEEKS

Without adaptive metabolism, each person would have gained 16 pounds.

SLEEP

5-20%.

1,600

1,500

Overall, it's not unusual for an individual's metabolic rate to vary by 100 calories from day to day.

PHASE OF MENSTRUAL CYCLE

• 1,480

WHAT AND HOW MUCH YOU EAT INFLUENCES HOW MANY CALORIES YOU'LL BURN. For example, in response to overeating, metabolism increases. However, some people's metabolism will adapt more than others'. **0.79 LB. GAINED**



CARBOHYDRATES 5-10% ERROR: UP TO 20% YOUR WEIGHT HISTORY INFLUENCES HOW MANY CALORIES YOU'LL BURN.

called adaptive thermogenesis.

FATS 0-3% If you've ever been overweight / obese, your metabolic rate may be lower than equations predict due to something

9.3 LB. GAINED

on a calorie deficit and lost significant weight, his brain thinks he's in danger of starving to death. His fat cells release less leptin, a hormone that influences hunger and activity cues.

he exercises.

Because of this adaptive thermogenesis, research

calories per day than equations predict to

shows the man may always require up to 300 fewer

Because the man has been living

Over time, he loses 20 lb., or 10% of his previous body

weight. Since a smaller body needs to process fewer

This sends the body into calorie conservation mode,

causing the man to subconsciously move less (via a

drop in non-exercise activity thermogenesis, or

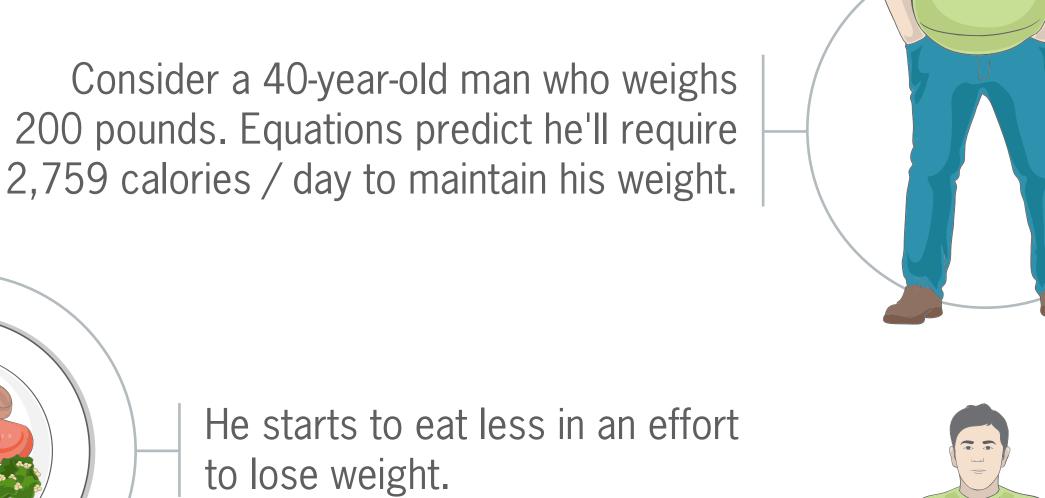
NEAT) and making his muscles more efficient

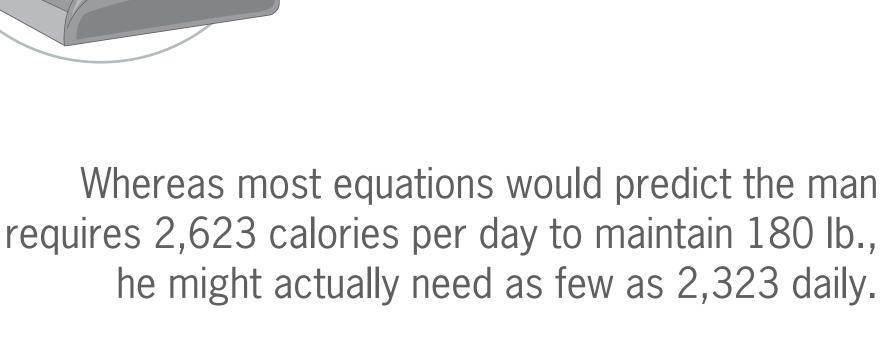
so he burns fewer calories even when

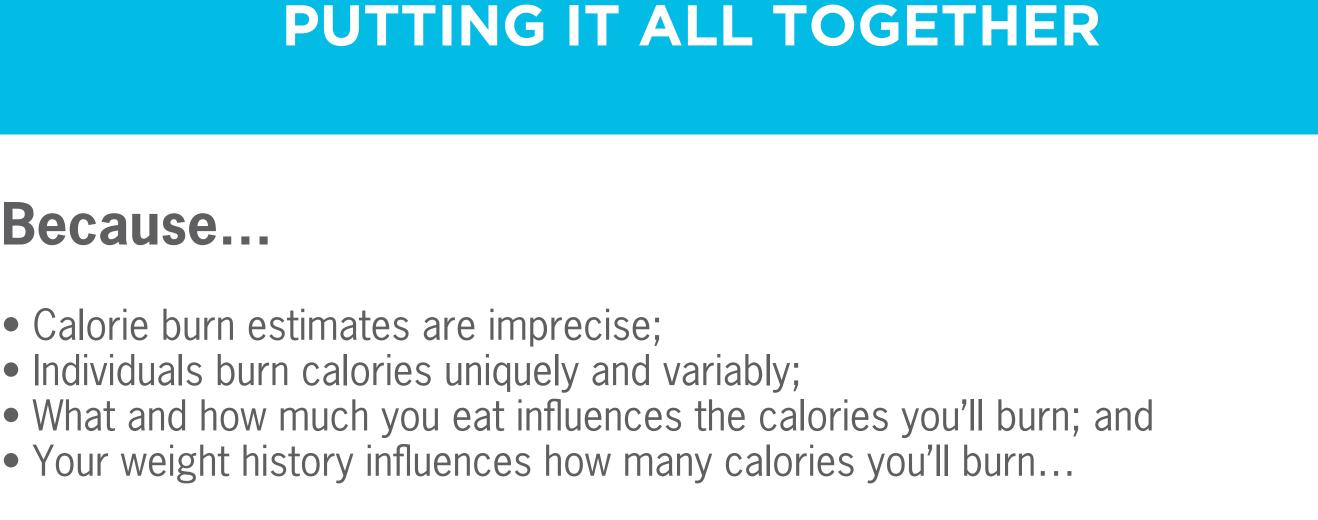
maintain his new weight.

calories to live, his total caloric output goes down.

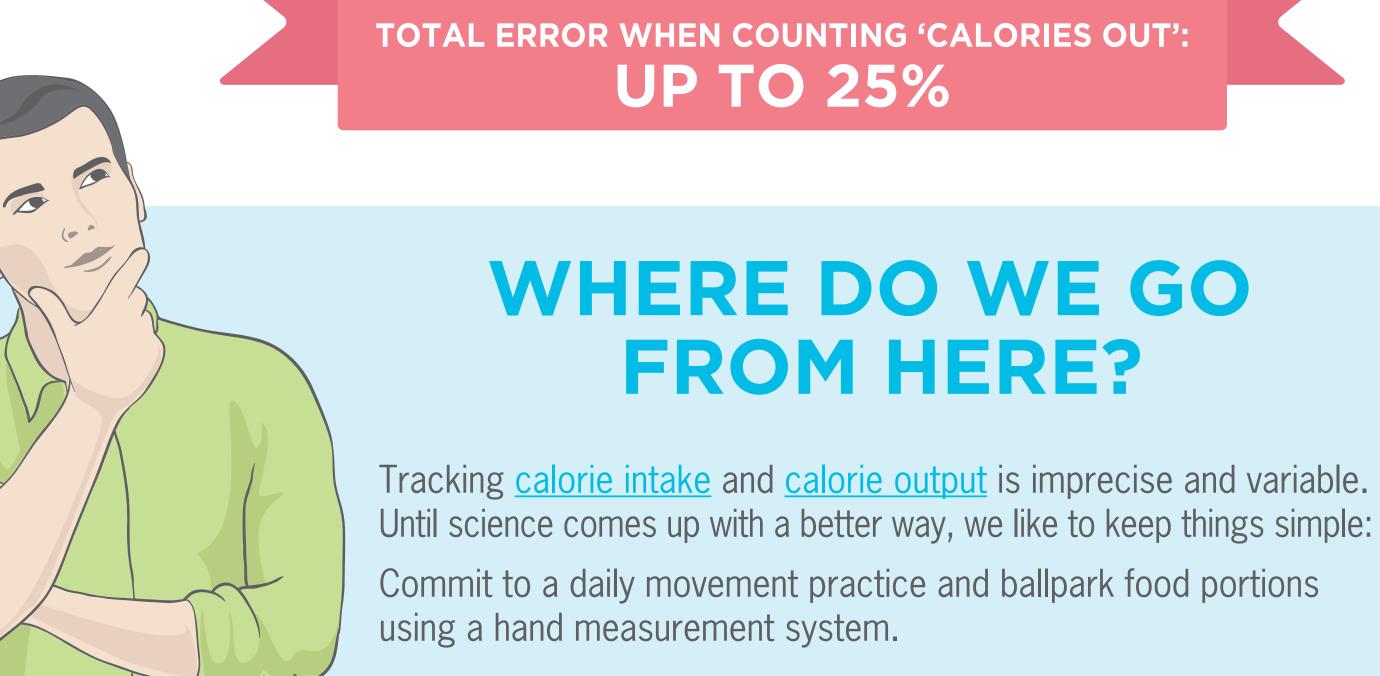
ERROR: UP TO 10%







...counting 'calories out' may be less reliable than you think.



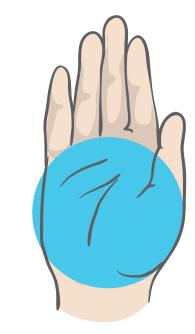
PORTION CONTROL GUIDE

FORGET CALORIE COUNTING. TRY THIS METHOD INSTEAD.

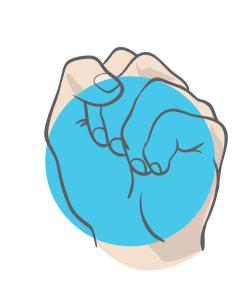
Most people think controlling portions means counting calories, but we think there's a better way. Try our (much easier) Hand Measure system instead.

YOUR HAND IS ALL YOU NEED

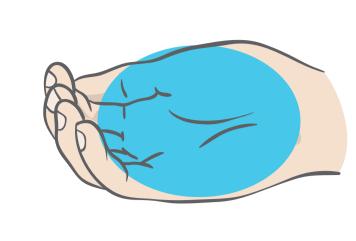
Your hand is proportionate to your body, its size never changes, and it's always with you, making it the perfect tool for measuring food and nutrients - minimal counting required.



A serving of protein = 1 palm



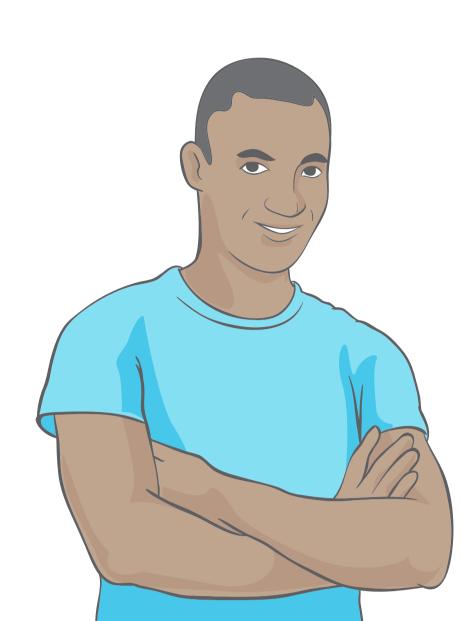
A serving of vegetables = 1 fist



A serving of carbs = 1 cupped hand

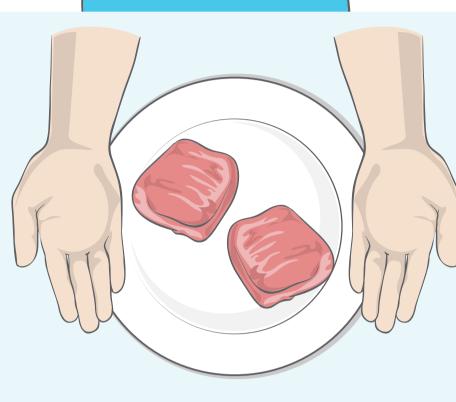


A serving of fats = 1 thumb



HERE'S HOW TO USE THIS **METHOD** TO BUILD **A PLATE**

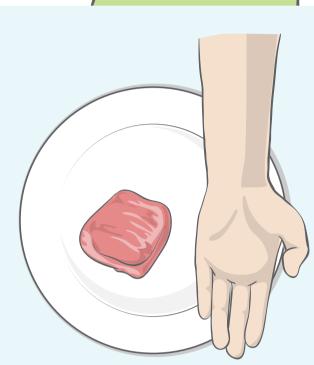




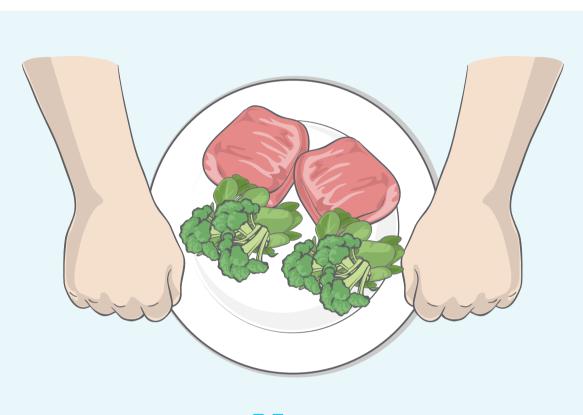
Men: Two palm-sized portions (~ 40-60 g protein)



Meat, fish, eggs, cottage cheese, and Greek yogurt



Women: One palm-sized portion (~ 20-30 g protein)



Men: Two fist-sized portions

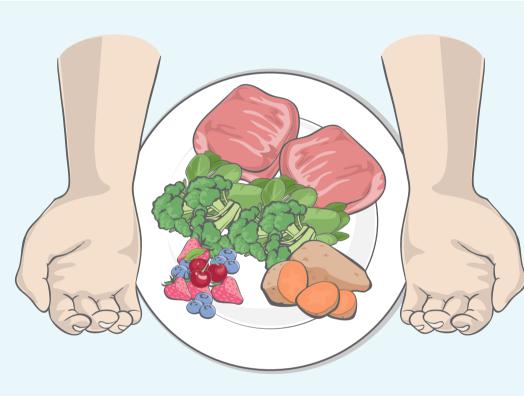


VEGETABLES

Broccoli, spinach, salad, carrots, etc.



Women: One fist-sized portion



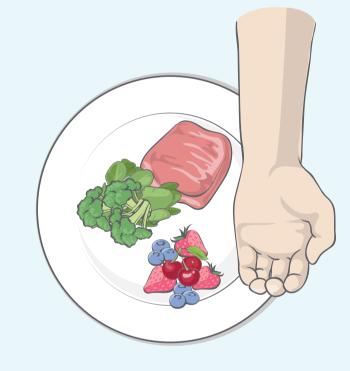
Men:

Two cupped-hand sized portions (~ 40-60 g carbs)



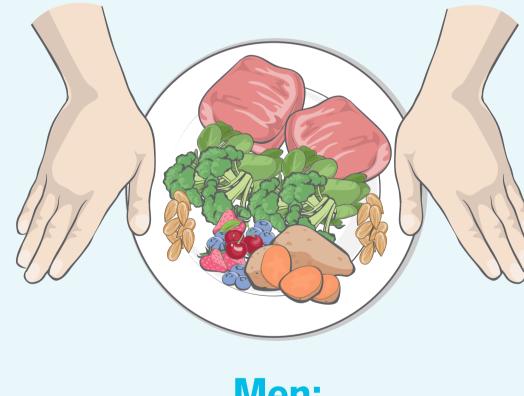
Grains, starches,

beans, and fruits



Women:

One cupped-hand sized portion $(\sim 20-30 \text{ g carbs})$



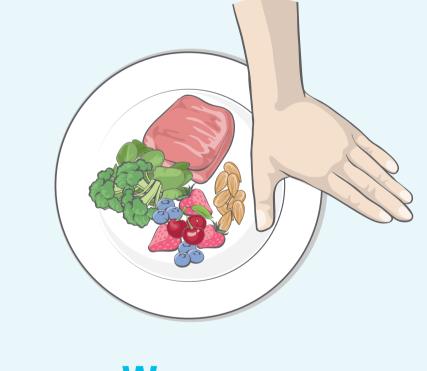
Men:

Two thumb-sized portions (~ 15-25 g fat)



FATS

Oils, butters, nut butters, nuts, and seeds



Women: One thumb-sized portion

 $(\sim 7-12 \text{ g fat})$

Men eating 3-4 meals as outlined would get around 2,300 - 3,000 calories each day. Women eating 3-4 meals as outlined would get around 1,200 - 1,500 calories each day.

Active men do best with 6-8 servings of each food group per day (\sim 2,300-3,000 kcal).

NOW, CUSTOMIZE THE PLAN FOR YOU

Active women do best with 4-6 servings of each food group per day ($\sim 1,500 - 2,100$ kcal). From there, adjust the number of portions to meet your personal needs and goals.

IF YOU NEED LESS FOOD IF YOU NEED MORE FOOD

BECAUSE YOU... Are larger in stature

- Eat less frequently throughout the day
- Are very active
- Aren't feeling satisfied at meals

...THEN START BY ADDING...

Men: 1 cupped handful of carbs and/or

- Are trying to gain muscle
- Aren't getting muscle-gain results

Are smaller in stature

- Are feeling too full at meals Eat more frequently throughout the day
- Are not very active

BECAUSE YOU...

 Are trying to lose weight Aren't getting weight-loss results

...THEN START BY REMOVING...

Men: 1 cupped handful of carbs and/or

1 thumb of fat to a few meals each day. 1 thumb of fat from a few meals each day. **Women**: 1/2 cupped handful of carbs and/ **Women**: 1/2 cupped handful of carbs and/ or 1/2 thumb of fat to a few meals each day. or 1/2 thumb of fat from a few meals each day.

This system is easier than counting calories and nearly as accurate. Just like with counting, though, pay attention to results and adjust as needed.