

## DAILY CALORIC NEEDS FOR MEN AND WOMEN

- If you're a man, your BMR is equal to:  $66 + (6.23 \times \text{weight in pounds}) + (12.7 \times \text{height in inches}) - (6.8 \times \text{age in years})$ . Example, if you're 170 pounds, 5'11", and 43, your BMR is  $66 + (6.23 \times 170) + (12.7 \times 71) - (6.8 \times 43) = 1,734.4$  calories
- If you're a woman, your BMR is equal to:  $655 + (4.35 \times \text{weight in pounds}) + (4.7 \times \text{height in inches}) - (4.7 \times \text{age in years})$ . Example, if you're 130 pounds, 5'3", and 36, your BMR is  $655 + (4.35 \times 130) + (4.7 \times 63) - (4.7 \times 36) = 1,357.4$  calories

Next figure out your total daily caloric requirement by multiplying your BMR by your level of activity:

- If you rarely exercise, multiply your BMR by 1.2
- If you exercise on 1 to 3 days per week, multiply your BMR by 1.375
- If you exercise on 3 to 5 days per week, multiply your BMR by 1.55
- If you exercise 6 to 7 days per week, multiply your BMR by 1.725
- If you exercise every day and have a physical job or if you often exercise twice a day, multiply your BMR by 1.9

If the man in the example exercises 3 days a week, his daily caloric requirement is  $1,734.4 \times 1.55$ , or 2,688.3 calories.

If the woman in the example exercises 6 days a week, her daily caloric requirement is  $1,357.4 \times 1.725$  or 2,342.5 calories.

This calculation gives you the number of calories you burn in one day at your current level of activity; this is the number of calories it takes to stay at the weight you are if you don't change anything.

### Applying Your BMR Calculation to Weight Loss

Once you know your BMR and the number of calories you burn for your activity level, you can improve your weight-loss efforts by setting a lower daily caloric-intake limit and crafting a plan for increasing your physical activity. Here's how:

**Set your daily calorie limit.** To lose weight, you need to reduce your caloric intake below your total daily calorie requirement indicated by your BMR + activity level. Putting yourself in a 500-calorie deficit every day should result in the loss of one pound every week, Greaves says.

**Adjust your exercise output.** Calculators ask for your level of physical activity for a very good reason. You can influence your BMR through exercise, spurring your body to burn more calories even when you are just lounging about.

- Aerobic exercise provides a temporary boost to your BMR, an effect sometimes referred to as after-burn or excess post-exercise oxygen consumption, says Noelle Lusardi, a certified personal fitness trainer who also works at the Step Ahead Weight Loss Center in Bedminster, N.J. This boost drops dramatically following an aerobic workout, with your BMR returning back to its normal level within 15 minutes to 48 hours.
- Strength training provides a more lasting boost to BMR by altering your body's composition. Muscle at rest burns more calories than fat at rest. That's why men naturally enjoy a higher BMR than women, as they tend to have more muscle mass, Greaves explains.
- Increase the calorie deficit by adding more exercise. If you increase the amount of calories you burn off by 250 each day, you'll lose a half-pound more on top of the calorie cuts made in your diet. You can also increase the intensity of your workouts to burn more calories, and you will increase your calorie deficit and aid your efforts at weight loss.

The advantage of knowing your BMR is that you can adjust the number of calories of any diet you choose to meet your personal guidelines for weight loss.