

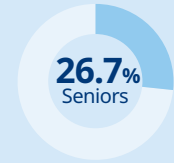
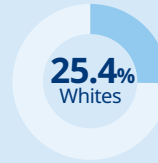
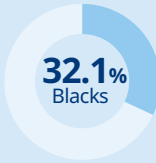


The State of Obesity in Massachusetts



1,396,263
Adults living with
obesity^{1,2}

25.2%
Percentage of adults
with obesity²



Obesity is associated with more than 60 comorbidities³



8.4%
Adult diabetes rate⁴



28.1%
Adult hypertension rate⁵



30.7%
Adult high cholesterol rate⁶



National obesity statistics

By 2030, nearly **1 in 2** adults in the United States are projected to have obesity (BMI ≥ 30 kg/m²), and nearly **1 in 4** adults are projected to have Class II or III obesity (BMI ≥ 35 kg/m²)^{7,8}



Employees with obesity incur a
more than **2.5X increase in cost**
vs employees with normal weight^{8,a}



Absence due to illness or injury is
increased 128% for employees with
obesity: **3 additional days** per year⁹

\$271 to \$542 Annual productivity loss
per employee with obesity⁹

\$14,341 to \$28,321 Cost per employee
with obesity per year^{8,b}

BMI=body mass index.

^aIncludes medical, pharmacy, sick days, disability, presenteeism, and workers' compensation costs. Cost increase depends on class (severity) of obesity.

^bRange is based on class (severity) of obesity.

Novo Nordisk in Massachusetts

Novo Nordisk has spent more than 2 decades researching the science behind obesity and developing innovative treatments. We have an industry-leading pipeline and our R&D efforts are ongoing because we know there are many pathways to treating obesity. We are committed to changing how this disease is viewed, prevented, and treated.

References: **1.** U.S. Census Bureau. 2019. ACS 1-year estimates subject tables. <https://data.census.gov/cedsci/table?q=United%20States&t=Age%20and%20Sex&g=0100000US.04000.001&y=2019&tid=ACST1Y2019.S0101&hidePreview=true&moe=false>. Accessed July 20, 2021. **2.** Nutrition, physical activity, and obesity: data trends and maps. Centers for Disease Control and Prevention website. https://nccd.cdc.gov/dnpao_dtm/rdPage.aspx?rdReport=DNPao_DTM.ExploreByTopic&isClass=OWS&isTopic=OWS1&go=GO. Accessed September 9, 2021. **3.** What is obesity? Obesity Medicine Association website. <https://obesitymedicine.org/what-is-obesity/>. Accessed September 9, 2021. **4.** BRFSS prevalence trends & data: diabetes. Centers for Disease Control and Prevention website. https://nccd.cdc.gov/BRFSSPrevalence/rdPage.aspx?rdReport=DPH_BRFSS.ExploreByTopic&irbLocationType=StatesAndMMSA&isClass=CLASS10&isTopic=TOPIC31&isYear=2019&rdRnd=7481. Accessed September 9, 2021. **5.** BRFSS prevalence & trends data: high blood pressure. Centers for Disease Control and Prevention website. https://nccd.cdc.gov/BRFSSPrevalence/rdPage.aspx?rdReport=DPH_BRFSS.ExploreByTopic&irbLocationType=StatesAndMMSA&isClass=CLASS10&isTopic=TOPIC31&isYear=2019&rdRnd=74815. September 7, 2021. **6.** BRFSS prevalence & trends data: cholesterol high. Centers for Disease Control and Prevention website. https://nccd.cdc.gov/BRFSSPrevalence/rdPage.aspx?rdReport=DPH_BRFSS.ExploreByTopic&irbLocationType=StatesAndMMSA&isClass=CLASS02&isTopic=TOPIC12&isYear=2019&rdRnd=19278. Accessed September 9, 2021. **7.** Ward ZJ, Bleich SN, Cradock AL, et al. Projected U.S. state-level prevalence of adult obesity and severe obesity. *N Engl J Med.* 2019;381(25):2440-2450. **8.** Ramasamy A, Laliberté F, Aktavoukian SA, et al. Direct and indirect cost of obesity among the privately insured in the United States. *JOEM.* 2019;61(11):877-886. **9.** Cawley J, Biener A, Meyerhoefer C, et al. Job absenteeism costs of obesity in the United States: national and state-level estimates. *J Occup Environ Med.* 2021;63(7):565-573.

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