

REPORT

## **Unhealthy and Unprepared** National security depends on promoting healthy lifestyles from an early age

StrongNation.org/MissionReadiness

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## Acknowledgements

**Council for a Strong America** is a national, bipartisan nonprofit that unites five organizations comprised of law enforcement leaders, retired admirals and generals, business executives, pastors, and prominent coaches and athletes who promote solutions that ensure our next generation of Americans will be citizen-ready.

### **Mission: Readiness**

Retired admirals and generals strengthening national security by ensuring kids stay in school, stay fit, and stay out of trouble.

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# 31%

of youth are disqualified from military service due to obesity

**Obesity has long threatened our** nation's health; as the epidemic grows, obesity is posing a threat to our nation's security as well. Nationwide, 71 percent of young people between the ages of 17 and 24 do not qualify for military service, and obesity disqualifies 31 percent of youth from serving if they so choose.1 These ineligibility rates are a major reason why the Army (the military's largest branch) was not on track to meet its annual recruitment goals as of September 2018. This year, the Army had an end strength goal of 76,500 soldiers; however, only 70,000 recruits joined by the end of FY2018.<sup>2</sup> Given the high percentage of American youth who are too overweight to serve, recruiting challenges will continue unless measures are taken to encourage a healthy lifestyle beginning at a young age.

Basic training lasts weeks, but building strong troops takes years. Encouraging healthy lifestyles early in life will help our nation prepare for future challenges.



General (Ret.) Richard B. Myers U.S. Air Force, 15th Chairman of the Joint Chiefs of Staff

# **Obesity is affecting our national security**

# Obesity limits the pool of eligible recruits for military service

A 2016 report from the U.S. Department of Defense's Joint Advertising Market Research and Studies program found that 71 percent of youth between the ages of 17 and 24 would not meet the military's core eligibility requirements.<sup>3</sup> Obesity is one of the largest medical disgualifiers. Of the remaining 29 percent who would qualify, only 17 percent would be gualified and available for active duty, and 13 percent would qualify, be available, and achieve a satisfactory score on the Armed Forces Qualification Test.<sup>4</sup> These numbers are particularly concerning because as the recruitable population has declined, so has interest in serving in the military. In 2017, just 11 percent of 16- to 24-year-olds said they would definitely or probably be serving in the military in the



next few years. This is a decrease from 13 percent in 2016, further illustrating the challenges of recruiting.<sup>5</sup> Estimates suggest that the recruitable population will stall at 29 percent through 2020.<sup>6</sup>

With interest in military service on the decline, it is critical to our national security that those willing to serve are prepared to meet the standards for eligibility. However, current obesity rates, particularly in the southern United States, prevent otherwise eligible young people who are interested in serving from qualifying. Despite being home to only 36 percent of the country's 18- to 24-year-olds, 44 percent of military recruits in 2016 were from the South, which also has the highest rate of obesity in the nation (32 percent in 2017).<sup>7</sup>

## Excess weight puts recruits and service members at higher risk for injury

A study conducted by The Citadel found that Army recruits in ten Southern states had lower levels of physical fitness and were 22 to 28 percent more likely to be injured during basic training than their peers from other areas of the country.<sup>8</sup> One study found that active duty soldiers with obesity were 33 percent more likely to suffer musculoskeletal injury, contributing to the more than 3.6 million injuries that occurred among active duty service members between 2008 and 2017.9 Of those injured, 30 percent either returned to duty with limitations, or were unable to return.<sup>10</sup> While not all injury can be traced to obesity, one study found that there were 72 percent more medical evacuations from Irag and Afghanistan for stress fractures, serious sprains, and other similar injuries injuries associated with poor fitness and nutrition—than for combat wounds.<sup>11</sup>

Members of our armed forces must be healthy and physically fit in order to meet

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75%-78%	3	73%-74%	9	71%-72%	24	62%-70%	5
District of Columbia	78%	Alabama	74%	Arizona	<b>72</b> %	Colorado	70%
Mississippi	76%	Arkansas	74%	Delaware	<b>72</b> %	Illinois	70%
Louisiana	75%	New Mexico	74% 73%	Florida Kentuckv	72%	lowa	70%
		Georgia New Hampshire	73%	North Carolina	72% 72%	Kansas Maryland	70% 70%
		Oklahoma	73%	Rhode Island	72%	Vermont	<b>70</b> %
		South Carolina	73%	West Virginia	72%	Virginia	70%
		Tennessee	73%	Alaska	71%	Washington	70%
		Texas	73%	California	71%	Wyoming	70%
				Idaho	71%	Connecticut	69%
				Indiana	71%	Massachusetts	69%
				Michigan	71%	Minnesota	69%
				Missouri	71%	New Jersey	69%
				Montana	71%	Maine	68%
				Nebraska	71%	Hawaii	<b>62</b> %
				Nevada	71%		
				New York	71%		
				North Dakota	71%		
				Ohio	71%		
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				Pennsylvania	<b>71%</b>		
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	Defense, 2017			Wisconsin	71%		

the rigorous demands of their jobs. However, service members are not immune from the nationwide rise in obesity. In 2015, 7.8 percent of active duty service members were considered overweight based on height and weight, a 73 percent increase since 2011.<sup>12</sup> Obesity and related issues incur considerable financial costs. Each year, the Department of Defense spends \$1.5 billion on health care related to obesity for active duty and former service members and their families.<sup>13</sup> Musculoskeletal injuries among Army soldiers cause half of all disabilities, resulting in \$125 million in compensation each year.<sup>14</sup> Additionally, active duty service members miss over 650,000 work days annually due to obesityrelated issues, placing added strain on a force that is already stretched thin.<sup>15</sup>

Addressing the obesity epidemic is crucial to maintaining a sufficient all-volunteer force and protecting our nation.

# **Obesity rates are increasing among children and youth**

While nearly one-third of Americans between the ages of 17 and 24 are too overweight to gualify for military service, the problem starts much earlier.<sup>16</sup> Children as young as two are experiencing rising obesity rates; among this age group, the obesity rate is 14 percent.<sup>17</sup> Unfortunately, these rates increase with age: 18 percent of children ages 6 to 11 have obesity, as do 21 percent of 12- to 19-year-olds.<sup>18</sup>Almost 15 percent of high school students had obesity in 2017, with an additional 16 percent considered overweight.<sup>19</sup> Teens between the ages of 16 and 19 had the highest rates of overweight, at 42 percent.<sup>20</sup> These alarming numbers demonstrate the need for obesity prevention beginning very early in life and continuing through high school and beyond.

# Childhood obesity negatively impacts future health

Obesity that begins in childhood can affect health for a lifetime. Children with obesity are more likely to experience chronic diseases such as asthma, type 2 diabetes, fatty liver disease, and heart disease. These children are also more likely to develop bone and joint problems,<sup>21</sup> which can impact future military eligibility. Additionally, adolescents who are overweight have a 70 percent chance of being overweight or obese in adulthood; among younger children, those with obesity between the ages of six and eight are 10 times more likely to grow up to have obesity.<sup>22</sup>

# What is the military doing to help troops stay healthy?

The military recognizes obesity as one of the threats it must address to protect our nation. In order to assess physical readiness among its ranks, the Army plans to implement the **Army** Combat Readiness Test in 2020. The test, a replacement of the current Army Physical Fitness Test, is designed to prepare soldiers for the physical demands of their jobs, and to prevent injuries.<sup>23</sup> The Army has also implemented the Performance Triad, which provides guidelines for sleep, activity, and nutrition taught by unit leaders. The program aims to improve soldier readiness and encourage healthy behaviors, and to provide support to soldiers in these areas.<sup>24</sup> Other branches have programs focused on helping troops stay healthy, including the Navy's ShipShape program, and the Air Force Fitness Improvement Program.<sup>25</sup> Additionally, the military is working to provide healthier food in dining halls for troops, focusing more on foods that can improve both physical and mental performance.<sup>26</sup>



## **Solutions to slow the epidemic**

As the military works to reduce obesity among its members, policymakers can help prevent obesity among children and school-aged youth by promoting policies that encourage healthy eating and physical activity. Parents play a central role in children's eating and activity, but schools and other settings where children spend a substantial amount of time are also key.

Many younger children, from about 20 percent of infants to 65 percent of 4-yearolds, spend time each week in non-parental care, making early care and education (ECE) settings such as preschools and child care essential venues for promoting nutrition and physical activity.<sup>27</sup> ECE providers can help children develop healthy habits at a young age by serving nutritious meals and ensuring children get adequate exercise throughout the day.<sup>28</sup> Currently, all fifty states and Washington, D.C. have regulations in place to ensure that ECE settings serve healthy meals.<sup>29</sup> Studies have also shown that nutrition programs in preschool can increase consumption of fruits and vegetables among children ages three to six.<sup>30</sup>

One policy that supports good nutrition in ECE settings is the **Child and Adult Care Food Program (CACFP)**. Under this policy, updated as part of the bipartisan Child Nutrition Reauthorization passed in 2010, child care and other providers receive financial support from the U.S. Department of Agriculture to serve nutritious meals and snacks. Children are eligible from infancy through age twelve, and may receive up to two meals and one snack each day. As of August 2018, more than four million children receive nutritious meals and snacks each day.<sup>31</sup> Children consume up to 50 percent of their daily calories while in school and away from their parents, making school cafeterias an important setting to promote healthy eating habits. The Child Nutrition Reauthorization directed the U.S. Department of Agriculture and Institute of Medicine to update nutrition standards for the National School Lunch Program for the first time in over a decade. as well as improve guidelines for breakfasts, snacks, and other food and drinks available in schools.<sup>32</sup> Since the new standards were implemented, fruit and vegetable consumption by participating children increased by 16 and 23 percent, respectively. Over 90 percent of schools now serve meals that meet the healthier standards.<sup>33</sup>

Providing children with opportunities to be physically active from a young age can also help prevent future obesity. The "Active Early" program, implemented across 20 early care centers in Wisconsin, worked with child care providers to ensure children were physically active for 120 minutes each day. The year-long program saw significant increases in physical activity among two- to five-year-olds.<sup>34</sup> Tennessee recently passed the Tom Cronan Physical Education Act, requiring elementary schools statewide to provide at least 60 minutes of physical education Quality early childhood education programs that promote good nutrition and physical activity can help prevent obesity among our youngest citizens.



Major General (Ret.) Mark Hamilton, U.S. Army Former Commanding General, U.S. Army Recruiting Command

weekly, with a curriculum taught by a certified physical education teacher.<sup>35</sup>

Prevention efforts are key to combating obesity, but with rates even higher among adults than among children, we also know that efforts must involve individuals, communities, states, and the federal government.

## Conclusion

Ongoing trends in obesity must be reversed before our national security is further compromised. Healthy eating and physical activity are crucial components to ensure that children grow up healthy, and that those who are willing to serve are prepared to meet the military's eligibility requirements. Parents and educators can teach healthy eating and exercise habits, while state and federal policymakers must continue to prioritize programs that promote nutrition and encourage physical activity from an early age.

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