

# 1 in 3

## Diabetes Tied to a Third of California Hospital Stays, Driving Health Care Costs Higher



### WHAT IS DIABETES?

- Diabetes is a disease in which blood glucose (sugar) levels rise higher than normal. Diabetes can be managed with proper treatment, and complications from type 2 diabetes can often be prevented or delayed with change in diet and exercise and close monitoring of blood sugar levels.<sup>1</sup>
- Without treatment, diabetes is a progressive disease that gradually “wears out” critical body functions, including nerves, vision, muscles and vital body organs, such as the liver and pancreas. Untreated, diabetes can lead to limb amputation, blindness, fatty liver disease, kidney disease and a variety of cardiovascular diseases, as well as premature, preventable death.<sup>2</sup>
- There are two types of diabetes – type 1 (which is congenital and represents about 5 percent of diabetes cases) and type 2 (which is preventable and represents about 95 percent of all diabetes cases).<sup>2</sup>
- Almost 95% of diagnosed diabetes among adults is type 2 diabetes. If you have type 2 diabetes, your body does not use insulin properly. At first, your pancreas makes extra insulin to make up for it. But, over time it isn’t able to keep up and can’t make enough insulin to keep your blood sugar at normal levels.<sup>2</sup>

### WHAT CAUSES DIABETES?

- The most significant contributors to or causes of type 2 diabetes are diet and exercise. Obesity is a major risk-factor for diabetes.<sup>1</sup>
- Eating less fat, fried foods and sugar, in addition to exercising at least 30 minutes five days a week can delay and possibly prevent the onset of type 2 diabetes.<sup>1</sup>
- A growing body of research shows that sugary beverages – because they provide all of their calories as liquid sugar – are uniquely harmful. We absorb liquid sugar in as little as 30 minutes, much faster than a candy bar, leading to a spike in blood sugar that the body is not well-equipped to handle, particularly in repetition. These spikes in blood sugar can overwhelm the body and lead to the transformation of sugar into fat in the liver, which contributes directly to the development of diabetes.<sup>3,4</sup>
- Drinking just one soda a day increases an adult’s likelihood of being overweight by 27 percent; for children, the likelihood doubles to 55 percent.<sup>5,6</sup>
- Drinking one or more sodas a day increases the risk of developing type 2 diabetes by 26 percent.<sup>7</sup>

#### Sources:

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### PREVALENCE OF DIABETES

- More than 2.3 million California adults (8.4 percent) have diabetes.<sup>8</sup>
- 25.8 million children and adults in the United States (8.3 percent) have diabetes, and another 79 million have pre-diabetes.<sup>9</sup>
- The prevalence of diabetes in the United States has more than tripled since 1980.<sup>10</sup>
- The prevalence of diabetes and pre-diabetes among adolescents rose from nine percent to 23 percent from 1999–2008.<sup>11</sup>
- Diabetes in California has increased 35 percent in the last 10 years.<sup>12</sup>

### HEALTH IMPACT OF DIABETES

- Despite medical advances enabling those with diabetes to live longer today than in the past, a 50-year-old with the disease still can expect to live 8.5 years fewer years, on average, than a 50-year-old without the disease.<sup>13</sup>
- Mismanaged diabetes can lead to damaged blood vessels, heart attacks, strokes, blindness, liver disease, certain kinds of cancer, kidney failure, bone fractures, and amputations.<sup>2</sup>
- In 2006, it was estimated that 60 percent of people with diabetes in the United States had one or more complications from the condition.<sup>14</sup>
- Diabetes contributed to 231,404 deaths in the United States in 2007.<sup>9</sup>
- More than 13,000 Californians undergo limb amputations every year, with the majority of them due to diabetes-related complications like infection and peripheral arterial disease.<sup>15</sup>
- Almost half of adults with diabetes in the U.S. do not receive the recommended diabetes care.<sup>16,17</sup>

### COST OF DIABETES

- Diabetes cost the United States an estimated \$245 billion in 2012, with \$176 billion in direct medical costs and \$69 billion in indirect costs (e.g. lost productivity, disability and premature death).<sup>18</sup>
- Total health care and related costs for the treatment of diabetes in California alone is about \$24.5 billion each year.<sup>19</sup>
- Average medical expenditures for people with diabetes are 2.3 times higher than for those without diabetes.<sup>18</sup>
- Hospital charges for the removal of a leg or foot due to diabetes complications totaled \$205,502,679 in California in 2008, at a rate of \$20,062 per hospitalization.<sup>20</sup>

#### Sources:

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