A Look Back To Move Forward
Harper County

The state of Oklahoma has been in a downward health trend since the 1990’s, until recently. Through the efforts of the state and county health departments, state and local governments and the individual communities the health of Oklahomans is looking up. However, we could do more to improve the health of the citizens of Oklahoma.

This report focuses on the health factors for the citizens of Harper County. We will take a look back to discover what has been affecting the health of the citizens in order to move forward and make healthy, effective and safe changes for all.
Demographics

- Population estimates
  - 12% decrease from 1990 to 2000 (4,063 to 3,562)
  - 5% decrease from 2000 to 2004
  - Ranked 67th for growth in state
- Hispanic/Latino ethnicity = 6%
- Race
  - Whites = 96%
  - Native Americans = 1%
  - Blacks = 0%
  - Other/Multiple = 3%
- Age
  - Under 5 = 5%
  - Over 64 = 22%
  - Median age = 43.1 years
- Housing units
  - Occupied = 1,509 (81%)
  - Vacant = 354 (19%)
- Disability (ages 21 to 64) = 16.9%
  - national = 19.2% state = 21.5%
- Individuals below poverty = 10.2%
  - national = 12.4% state = 14.7%

Top 10 Leading Causes of Death

The top 10 leading causes of death table on the next page displays a broad picture of the causes of death in Harper County. Since many health-related issues are unique to specific ages, this table provides causes of death by age group at a glance. The causes of death that are present across almost every age group have been highlighted. From 1983 to 1993 heart disease killed 243 people in Harper County and is still the leading cause of death among all age groups. According to the Centers for Disease Control, almost $400,000 is spent on each heart disease-related death. With an average of 21.3 deaths a year, heart disease accounts for almost $8 million a year in medical costs in Harper County.

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There was not much change in the top ten causes of death for persons 65 and older from the previous eleven year period (1983-1993). However, diabetes mellitus deaths declined 29%, moving from the 8th to the 10th leading cause of death.


Nutrition and Obesity

No Data Available At This Time
## Top 10 Causes of Death by Age Group

**Harper County 1993-2003**

<table>
<thead>
<tr>
<th>Rank</th>
<th>0-4</th>
<th>05-14</th>
<th>15-24</th>
<th>25-34</th>
<th>35-44</th>
<th>45-54</th>
<th>55-64</th>
<th>65+</th>
<th>All Ages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CONGENITAL ANOMALIES</td>
<td>2</td>
<td>UNINTENT. INJURY</td>
<td>2</td>
<td>UNINTENT. INJURY</td>
<td>3</td>
<td>UNINTENT. INJURY</td>
<td>5</td>
<td>CANCER</td>
</tr>
<tr>
<td>2</td>
<td>PERINATAL PERIOD</td>
<td>1</td>
<td>CONGENITAL ANOMALIES</td>
<td>1</td>
<td>CANCER</td>
<td>1</td>
<td>COMPLICATED PREGNANCY</td>
<td>2</td>
<td>UNINTENT. INJURY</td>
</tr>
<tr>
<td>3</td>
<td>UNINTENT. INJURY</td>
<td>1</td>
<td>CONGENITAL ANOMALIES</td>
<td>1</td>
<td>CANCER</td>
<td>1</td>
<td>BRONCHITIS/EMPHYSEMA/ASTHMA</td>
<td>2</td>
<td>CANCER</td>
</tr>
<tr>
<td>4</td>
<td>SEPTICEMIA (BLOOD POISONING)</td>
<td>1</td>
<td>HEART DISEASE</td>
<td>1</td>
<td>STROKE</td>
<td>1</td>
<td>DIABETES MELLITUS</td>
<td>2</td>
<td>UNINTENT. INJURY</td>
</tr>
<tr>
<td>5</td>
<td>SUICIDE</td>
<td>1</td>
<td>SUICIDE</td>
<td>1</td>
<td>SUICIDE</td>
<td>1</td>
<td>LIVER DISEASE</td>
<td>1</td>
<td>NON-CANCEROUS TUMOR</td>
</tr>
<tr>
<td>6</td>
<td>OTHER</td>
<td>1</td>
<td>STROKE</td>
<td>1</td>
<td>STROKE</td>
<td>1</td>
<td>BRONCHITIS/EMPHYSEMA/ASTHMA</td>
<td>1</td>
<td>KIDNEY DISEASE</td>
</tr>
<tr>
<td>7</td>
<td>SUICIDE</td>
<td>1</td>
<td>CONGENITAL ANOMALIES</td>
<td>1</td>
<td>SUICIDE</td>
<td>1</td>
<td>CONGENITAL INJURY</td>
<td>1</td>
<td>UNINTENT. INJURY</td>
</tr>
<tr>
<td>8</td>
<td>OTHER</td>
<td>1</td>
<td>OTHER</td>
<td>7</td>
<td>OTHER</td>
<td>1</td>
<td>PNEUMONITIS</td>
<td>7</td>
<td>DIABETES MELLITUS</td>
</tr>
<tr>
<td>9</td>
<td>PNEUMONITIS</td>
<td>5</td>
<td>DIABETES MELLITUS</td>
<td>7</td>
<td>DIABETES MELLITUS</td>
<td>7</td>
<td>THREE CAUSES TIED</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>ATEROSCLEROSIS</td>
<td>5</td>
<td>PNEUMONITIS</td>
<td>7</td>
<td>DIABETES MELLITUS</td>
<td>5</td>
<td>THREE CAUSES TIED</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data source: *Vital Statistics*, Health Care Information Division, Oklahoma State Department of Health

Produced by: Injury Prevention Service, Disease and Prevention Service, Oklahoma State Department of Health

July 2003
Injury and Violence

Across the nation and the state of Oklahoma, unintentional and violence-related injuries are on the rise. Unintentional injuries account for the 4th leading cause of death in the United States and the 5th leading cause of death in Oklahoma from 1999-2002. For persons ages 1 to 44 in Oklahoma, unintentional injuries are the leading cause of death.

This trend does not change much in Harper County. Unintentional injuries are the leading cause of death from ages 5 to 34.

It is estimated that for every motor vehicle-related death $1.1 million in economic costs are incurred. For Harper County which has an average of 0.8 motor vehicle-related deaths a year, that translates to almost $1 million a year.

Violence-related injuries (homicide and suicide) in Harper County are ranked in the top 10 in four of the eight age groups (see Top 10 list on page 3).

Tobacco Use

No Data Available At This Time

Physical Activity, Wellness and Diabetes

No Data Available At This Time
Teen Pregnancy

While births to teen mothers (age 15 to 19) are on the decline in both the U.S. and Oklahoma, Oklahoma has moved up in rank from 13th to 8th in the country. In 1993 the rate of teen births was 60.0 (per 1,000 15-19 year old females) in the U.S. and 66.6 in Oklahoma. In 2003, the rate decreased to 41.7 in the U.S. and 55.8 in Oklahoma, a decrease of 31% and 7%, respectively.

Children of teen mothers are more likely to display poor health and social outcomes than those of older mothers, such as premature birth, low birth weight, higher rates of abuse and neglect, and more likely to go to foster care or do poorly in school. Additionally, births to teen mothers accumulate $3,200 a year for each teenage birth, which is passed on to citizens.

According to Oklahoma Vital Statistics, Harper County had a teen birth rate of 38.5 in 2003 which was a 72% increase from 2002 (22.4) and a 54% decrease since 1993 (84).

With an average of 5 births per year, teen pregnancy costs the citizens of Harper County $16,000.00 a year.

Poverty

As the nation advances in technology and the ability to detect and prevent disease at an earlier stage, persons that are impoverished carry a large burden of poor health outcomes. Higher incidences of unplanned or unwanted pregnancies, teen pregnancy, inadequate prenatal care, higher rates of low-birth-weight babies, infant deaths and low immunization rates are all associated with poverty along with a myriad of other adverse health outcomes.

According to the 2000 census, 10.2% of persons in Harper County for whom poverty status was known had an income below what was needed to live at the federal poverty level. Harper County is 31% below the state (14.7%) and 18% below the nation (12.4%) for persons with incomes below the federal poverty level.

<table>
<thead>
<tr>
<th>Poverty level</th>
<th>Total</th>
<th>50% below</th>
<th>51% to 99% below</th>
<th>poverty level to 149% above</th>
<th>150% to 199% above</th>
<th>200% and above</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population</td>
<td>3,508</td>
<td>133</td>
<td>224</td>
<td>398</td>
<td>476</td>
<td>2,277</td>
</tr>
<tr>
<td>Cumulative Population</td>
<td>133</td>
<td>357</td>
<td>755</td>
<td>1,231</td>
<td>3,508</td>
<td></td>
</tr>
<tr>
<td>% of Total</td>
<td>100.0%</td>
<td>3.8%</td>
<td>6.4%</td>
<td>11.3%</td>
<td>13.6%</td>
<td>64.9%</td>
</tr>
<tr>
<td>Cumulative %</td>
<td>3.8%</td>
<td>10.2%</td>
<td>21.5%</td>
<td>35.1%</td>
<td>100.0%</td>
<td></td>
</tr>
</tbody>
</table>
### OK By One - State Immunization Data

#### 2003-04 Immunization Coverage Rates

- **DTaP**: 64.0%
- **IPV**: 66.5%
- **MMR**: 69.7%
- **Hib**: 64.1%

#### 4:3:1:3:3 Coverage by Location of Shots, Oklahoma, 2004

<table>
<thead>
<tr>
<th>Provider Type</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Dept</td>
<td>64.0</td>
</tr>
<tr>
<td>Priv Dr.</td>
<td>66.5</td>
</tr>
<tr>
<td>IHS/Tribal</td>
<td>69.7</td>
</tr>
<tr>
<td>Other</td>
<td>64.1</td>
</tr>
</tbody>
</table>

#### Oklahoma Children On Schedule by Antigen, 2004

- **DTaP**
- **IPV**
- **MMR**
- **Hib**
- **HepB**

**Note: County level data will be available soon.**
Health Care Costs Summary

**Cardiovascular Disease (Heart Disease)**
- Average 21 deaths a year
- $369,476.69 per death
- Total—$7,759,010.49 a year

Obesity
- Data Not Available At This Time

**Motor Vehicle-Related Injury Death**
- Average 0.8 deaths per year
- $1,120,000.00 in economic costs per death
- Total—$896,000.00 a year

**Diabetes**
- Data Not Available At This Time

Teen Pregnancy
- Average of 5 births to teen mothers per year
- $3,200.00 in costs for each birth a year
- Total—$16,000.00 a year

**Tobacco Use**
- Data Not Available At This Time

Grand Total for Harper County:
$8,671,010.49
The Oklahoma Turning Point Initiative is public health improvement in action. The success of the Turning Point process involves a partnership between the state and county departments of health, local communities, and policy-makers. The Oklahoma Turning point engine is fueled by a community-based decision making process whereby local communities tap into the capacities, strengths, and vision of their citizens to create and promote positive, sustainable changes in the public health system, and the public’s health.