

**TABLE I****FATALITIES: DIRECTLY DUE TO FOOTBALL – 1931-2008\***

	<b>SANDLOT</b>	<b>PRO AND SEMIPRO</b>	<b>HIGH SCHOOL</b>	<b>COLLEGE</b>	<b>TOTAL</b>
<b>YEAR</b>	<b>DIRECT</b>	<b>DIRECT</b>	<b>DIRECT</b>	<b>DIRECT</b>	<b>DIRECT</b>
**1931-1965	134	72	348	54	608
1966	4	0	20	0	24
1967	5	0	16	3	24
1968	4	1	26	5	36
1969	3	1	18	1	23
1970	3	0	23	3	29
1971	2	0	15	3	20
1972	3	1	16	2	22
1973	2	0	7	0	9
1974	0	0	10	1	11
1975	1	0	13	1	15
1976	3	0	15	0	18
1977	1	0	8	1	10
1978	0	0	9	0	9
1979	0	0	3	1	4
1980	0	0	9	0	9
1981	2	0	5	2	9
1982	2	0	7	0	9
1983	0	0	4	0	4
1984	1	0	4	1	6
1985	2	0	4	1	7
1986	0	0	11	1	12
1987	0	0	4	0	4
1988	0	0	7	0	7
1989	0	0	4	0	4

**TABLE 1 CONTINUED**

1990	0	0	0	0	0
1991	0	0	3	0	3
1992	0	0	2	0	2
1993	0	0	3	1	4
1994	0	0	0	1	1
1995	0	0	4	0	4
1996	0	0	5	0	5
1997	0	0	6	1	7
1998	0	0	6	1	7
1999	1	0	4	1	6
2000	0	0	3	0	3
2001	1	0	8	0	9
2002	1	1	3	1	6
2003	1	0	2	0	3
2004	1	0	4	0	5
2005	0	1	2	0	3
2006	0	0	1	0	1
2007	0	1	3	0	4
<b>2008</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>
<b>TOTALS</b>	<b>177</b>	<b>78</b>	<b>672</b>	<b>86</b>	<b>1013</b>

\*No study in 1942 \*\* Yearly totals available from past reports

**TABLE II****FATALITIES: INDIRECTLY DUE TO FOOTBALL - 1931-2008\***

<b>YEAR</b>	<b>SANDLOT INDIRECT</b>	<b>PRO AND SEMIPRO INDIRECT</b>	<b>HIGH SCHOOL INDIRECT</b>	<b>COLLEGE INDIRECT</b>	<b>TOTAL INDIRECT</b>
**1931-1965	85	15	159	40	299
1966	0	0	6	2	8
1967	0	0	4	1	5
1968	2	0	8	2	12
1969	3	1	8	3	15
1970	0	0	12	2	14
1971	2	1	7	2	12
1972	0	0	10	1	11
1973	0	0	5	3	8
1974	0	0	5	3	8
1975	2	0	3	3	8
1976	1	0	7	2	10
1977	0	0	6	0	6
1978	0	0	8	1	9
1979	1	0	8	1	10
1980	0	0	4	0	4
1981	0	0	6	0	6
1982	1	0	7	3	11
1983	0	0	6	3	9
1984	0	0	3	0	3
1985	0	0	1	1	2
1986	0	0	6	1	7
1987	0	0	4	3	7
1988	1	0	10	0	11
1989	0	0	9	2	11

**TABLE 11 CONTINUED**

1990	0	0	3	3	6
1991	0	0	3	1	4
1992	1	0	9	1	11
1993	0	0	8	1	9
1994	1	0	2	2	5
1995	1	0	7	1	9
1996	0	1	10	1	12
1997	1	0	7	0	8
1998	1	0	6	1	8
1999	1	0	11	0	12
2000	0	0	11	2	13
2001	0	2	10	3	15
2002	1	0	7	3	11
2003	1	1	4	1	7
2004	0	0	7	3	10
2005	1	1	8	2	12
2006	2	0	12	2	16
2007	1	1	6	1	9
<b>2008</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>13</b>

**TOTALS**            **113**            **23**            **450**            **110**            **696**

\* No study in 1942 \*\* Yearly totals available from past reports

**TABLE III**  
**DIRECT FATALITIES INCIDENCE PER 100,000 – 1931-2008\***

<b>YEAR</b>	<b>HIGH SCHOOL</b>	<b>COLLEGE</b>
**1931-1959		
1960	1.78	1.53
1961	1.62	9.23
1962	1.94	0.00
1963	1.94	3.04
1964	2.23	4.56
1965	2.00	1.33
1966	2.00	0.00
1967	1.60	4.00
1968	2.60	6.60
1969	1.64	1.33
1970	1.92	4.00
1971	1.25	4.00
1972	1.33	2.67
1973	0.58	0.00
1974	0.83	1.33
1975	1.08	1.33
1976	1.00	0.00
1977	0.53	1.33
1978	0.60	0.00
1979	0.23	1.33
1980	0.69	0.00
1981	0.38	2.67
1982	0.54	0.00
1983	0.30	0.00
1984	0.30	1.33
1985	0.30	1.33
1986	0.84	1.33
1987	0.30	0.00
1988	0.46	0.00
1989	0.27	0.00

### TABLE III CONTINUED

1990	0.00	0.00
1991	0.20	0.00
1992	0.14	0.00
1993	0.20	1.33
1994	0.00	1.33
1995	0.27	0.00
1996	0.33	0.00
1997	0.40	1.33
1998	0.40	1.33
1999	0.27	1.33
2000	0.20	0.00
2001	0.46	0.00
2002	0.20	0.00
2003	0.13	0.00
2004	0.27	0.00
2005	0.13	0.00
2006	0.07	0.00
2007	0.20	0.00
2008	0.47	0.00

\* No study was made in 1942.

\*\* Yearly totals available from past reports.

Based on 1,500,000 junior and senior high school players and 75,000 college players.

**TABLE IV**

**HEAT STROKE FATALITIES 1931-2008\***

<b>YEAR</b>	<b>TOTAL</b>
**1931-1954	0
1955	1
1956-1958	0
1959	4
1960-1964	15
1965	6
1966	1
1967	2
1968	5
1969	5
1970	8
1971	4
1972	7
1973	3
1974	1
1975	0
1976	1
1977	1
1978	4
1979	2
1980	1
1981	2
1982	2
1983	1
1984	3
1985	0
1986	0
1987	1
1988	2
1989	2
1990	1
1991	0
1992	1
1993	0
1994	0
1995	4
1996	2
1997	1
1998	4
1999	2

**TABLE IV    CONTINUED**

2000	5
2001	3
2002	0
2003	0
2004	3
2005	2
2006	5
2007	2
<b>2008</b>	<b>6</b>
<b>TOTALS</b>	<b>125</b>

\* No study was made in 1942.

**TABLE V**

**DIRECT FATALITIES 2008: TYPE OF ACTIVITY ENGAGED IN**

<b>Type of Activity</b>	<b>Sandlot</b>	<b>Pro</b>	<b>High School</b>	<b>College</b>	<b>Total</b>
Tackled Running Ball	0	0	1	0	1
Blocked	0	0	1	0	1
Tackling	0	0	3	0	3
Collision	0	0	2	0	2
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>

**TABLE VI**

**DIRECT FATALITIES 2008: CAUSE OF DEATH**

<b>Causes</b>	<b>Sandlot</b>	<b>Pro</b>	<b>High School</b>	<b>College</b>	<b>Total</b>
Brain Injury	0	0	5	0	5
Neck Injury	0	0	0	0	0
Internal	0	0	2	0	2
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>

**TABLE VII**

**DIRECT FATALITIES 2008: POSITION PLAYED**

<b>Position</b>	<b>Sandlot</b>	<b>Pro</b>	<b>High School</b>	<b>College</b>	<b>Total</b>
Running Back	0	0	2	0	2
Wide Receiver	0	0	1	0	1
Safety	0	0	1	0	1
Linebacker	0	0	2	0	2
Lineman	0	0	1	0	1
<b>TOTAL</b>	0	0	7	0	7

**TABLE VIII**

**INDIRECT FATALITIES 2008: CAUSE OF DEATH**

<b>Causes</b>	<b>Sandlot</b>	<b>Pro</b>	<b>High School</b>	<b>College</b>	<b>Total</b>
Heart Related	3	0	3	0	6
Heat Stroke	0	0	4	2	6
Sickle Cell	0	0	0	1	1
<b>TOTAL</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>3</b>	<b>13</b>

**TABLE IX**  
**HEAD AND CERVICAL SPINE FATALITIES**

<b>Year</b>	<b>Head</b>		<b>Cervical Spine</b>	
	<b>Frequency</b>	<b>Percent</b>	<b>Frequency</b>	<b>Percent</b>
1945-1954	87	17.1	32	27.3
1955-1964	115	22.5	23	19.7
1965-1974	162	31.8	42	35.9
1975-1984	69	13.5	14	12.0
1985-1994	33	6.5	5	4.3
1995-2004	44	8.6	1	0.8
<b>TOTALS</b>	510	100.0	117	100.0