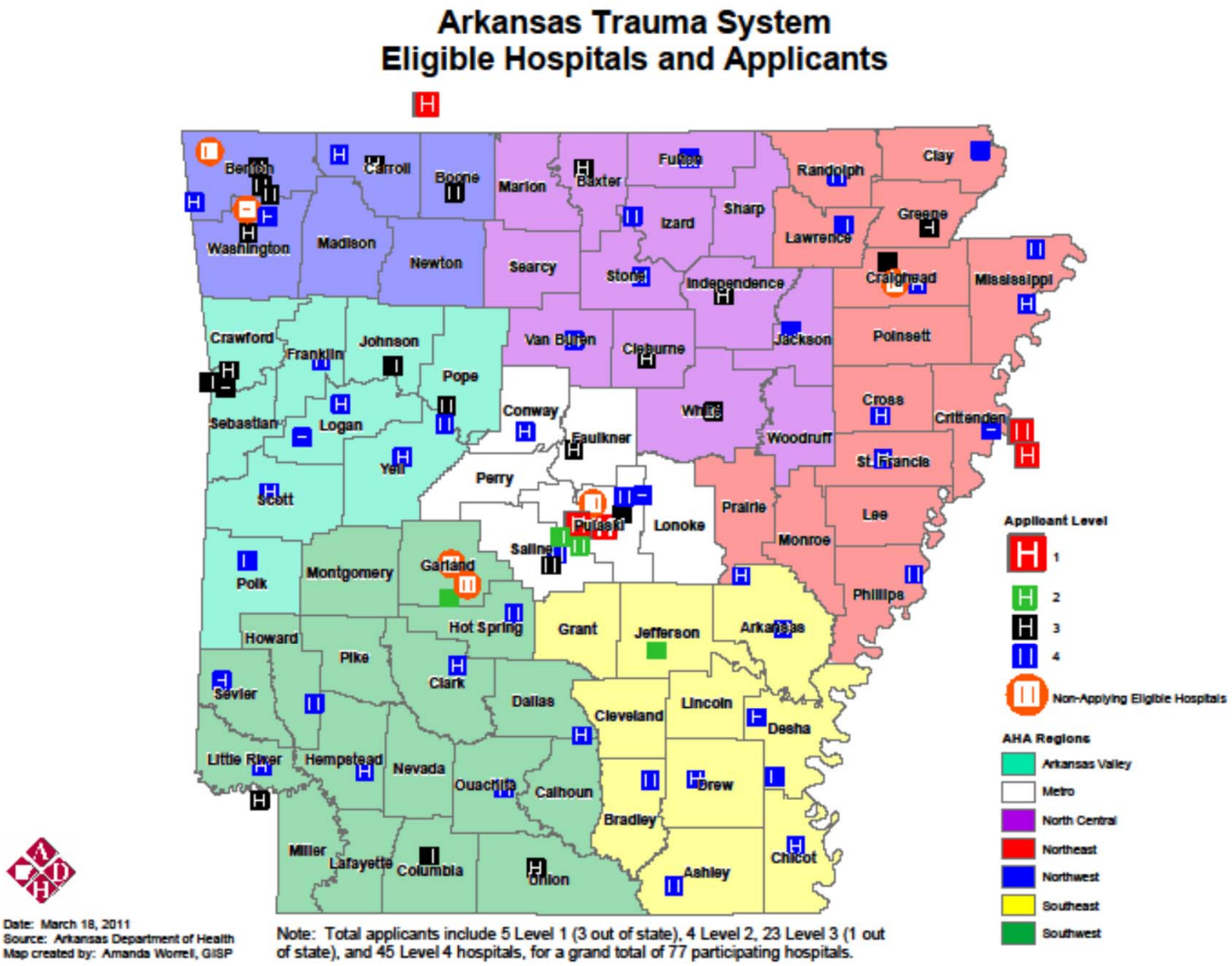
Caveats Regarding Hospital Discharge Data

- Data may contain duplicate entries as individuals may be admitted and transferred to another hospital for complications from an injury
- Hospitalization data in this profile was compiled using the county of residence
- Injury cases in this report were required to have an injury code in the principal diagnosis slot and a valid E-code, which may lead to under-reporting of data
- Rehab and Psychiatric hospitals were excluded
- Masked values are statistically unstable
- Counts under 20 are statistically unstable
- Arkansas does not receive hospitalization data from hospitals outside of Arkansas

Arkansas Trauma System Regions



Population Demographics, Central Region 2007-2009

Demographics	2007	2008	2009
0-19 years old	186205 (27.8%)	188398 (27.8%)	190987 (27.8%)
20-44 years old	237048 (35.4%)	238309 (35.1%)	239764 (34.8%)
45-64 years old	166891 (24.9%)	170270 (25.1%)	173894 (25.3%)
65+ years old	79518 (11.9%)	81877 (12.1%)	83882 (12.2%)
Male	324495 (48.5%)	328872 (48.4%)	333620 (48.5%)
Female	345167 (51.5%)	349982 (51.6%)	354907 (51.5%)
White	496291 (74.1%)	501457 (73.9%)	506688 (73.6%)
Black	150511 (22.5%)	153496 (22.6%)	156723 (22.8%)
Total	**669662**	**678854**	**688527**

Source: U.S. Census Bureau, Population Estimates

Top 5 Mechanisms of Hospitalizations due to Injury by Trauma Region, 2009

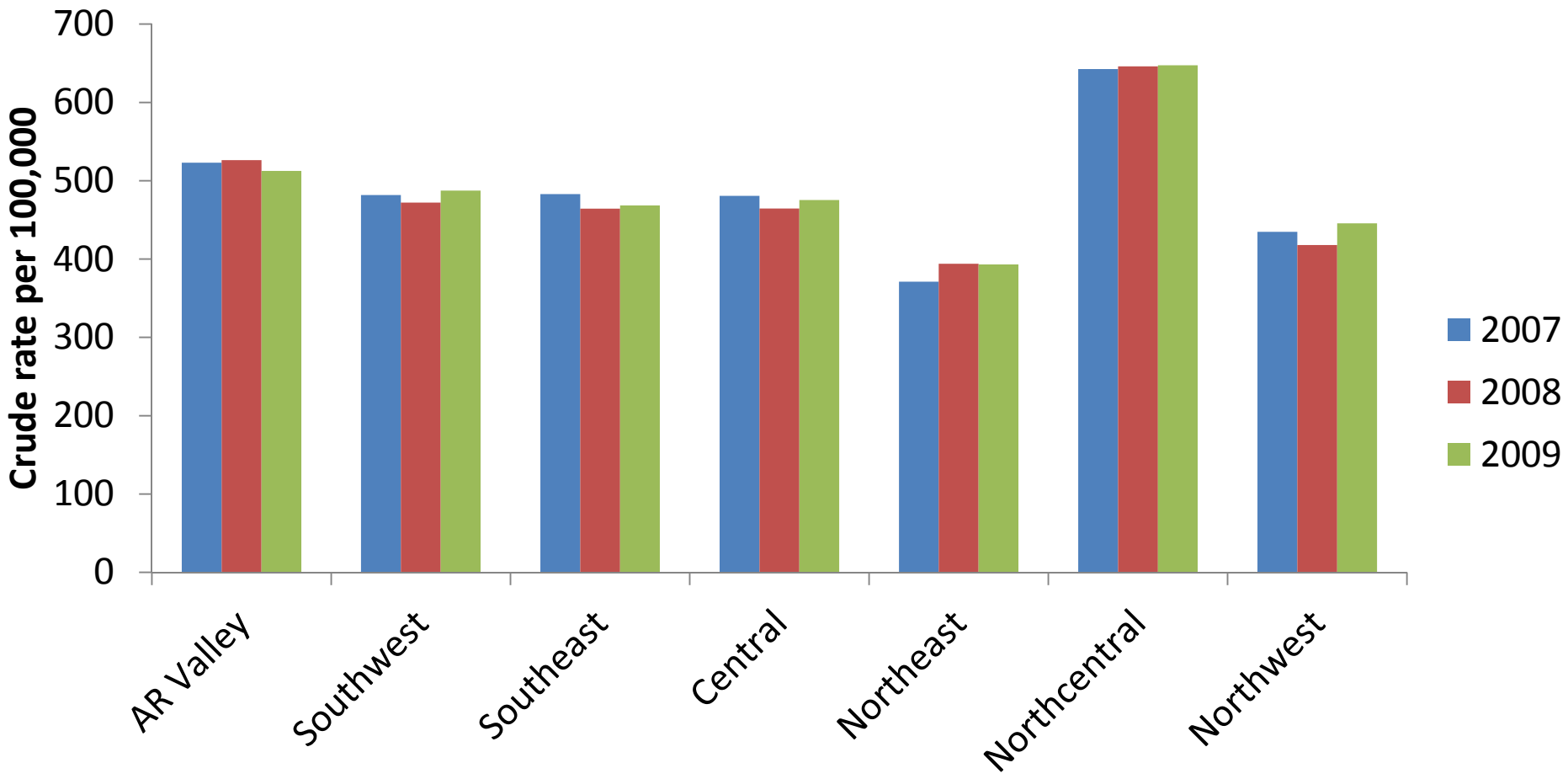
Northwest	AR Valley	Southwest	Southeast	Central	Northeast	North Central
1. Fall	1. Fall	1. Fall	1. Fall	1. Fall	1. Fall	1. Fall
2. MVC	2. MVC	2. MVC	2. MVC	2. MVC	2. Suicide	2. MVC
3. Suicide	3. Suicide	3. Suicide	3. Suicide	3. Suicide	3. MVC	3. Suicide
4. Poisoning	4. Poisoning	4. Poisoning	4. Assault	4. Poisoning	4. Poisoning	4. Poisoning
5. Assault	5. Assault	5. Assault	5. Fire/Burn	5. Assault	5. Fire/Burn	5. Fire/Burn

Top 5 Mechanisms of Death due to Injury, 2000-2007

Northwest	AR Valley	Southwest	Southeast	Central	Northeast	North Central
1. MVC	1. MVC	1. MVC	1. MVC	1. MVC	1. MVC	1. MVC
2. Fall	2. Suicide	2. Suicide	2. Homicide	2. Homicide	2. Suicide	2. Suicide
3. Poisoning	3. Other	3. Fall	3. Other	3. Suicide	3Poisoing	3. Fall
4. Other	4. Fall	4. Other	4. Suicide	4. Other	4. Fall	4. Other
5. Suicide	5. Unknown	5. Homicide	5.	5. Fall	5. Other	5. Unknown

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch and Centers for Disease Control, Wonder Database

Hospitalizations from Combined Injury Mechanism and Intents Among Arkansans By Trauma System Region, 2007-2009



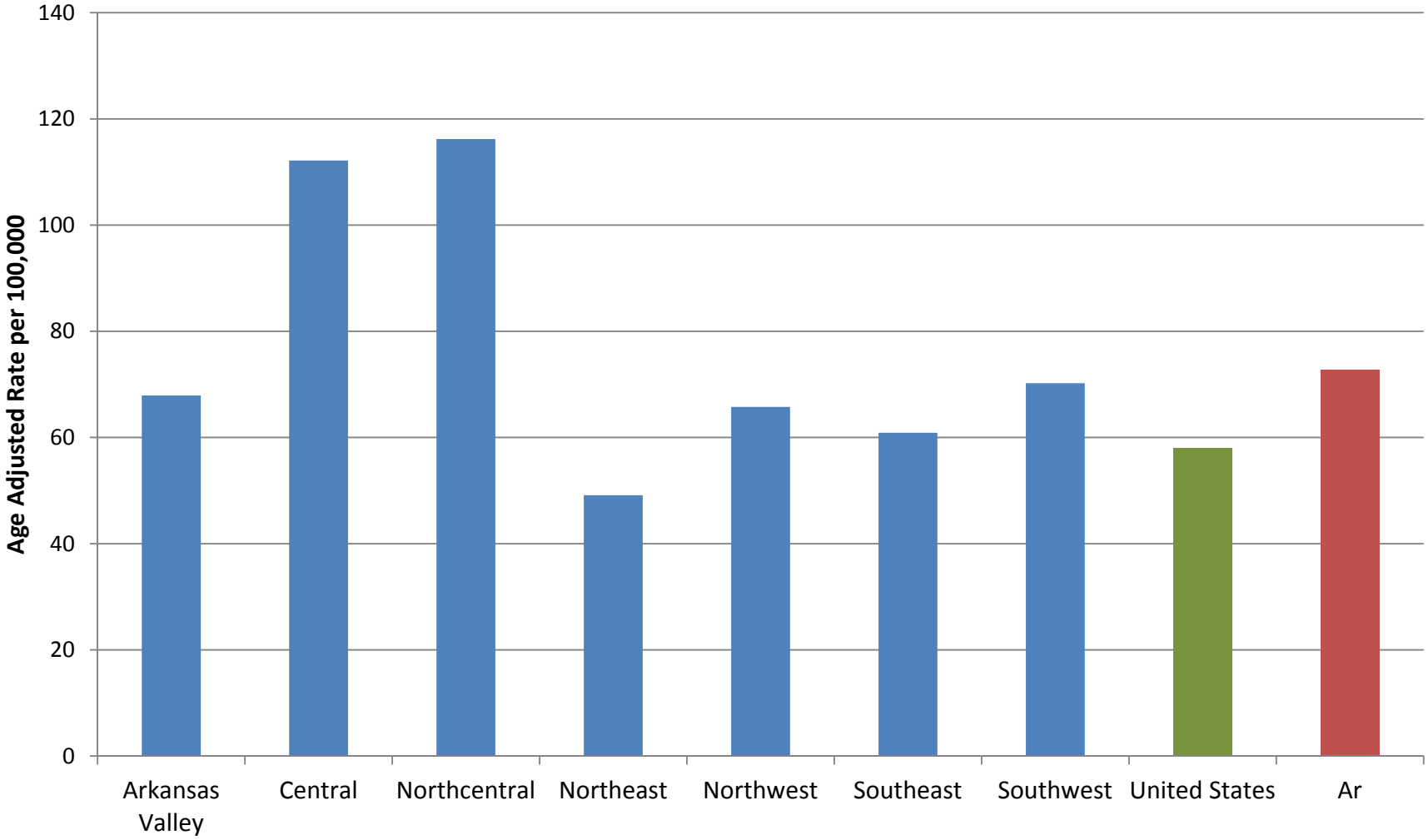
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
Mechanisms include motor vehicle crashes, falls, fires/burns, drowning, unintentional poisoning, attempted suicide, and assault

Hospitalizations from Combined Injury Mechanism and Intents Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	1877	1899	1861
Southwest	1953	1919	1981
Southeast	1051	1005	1007
Central	3219	3153	3273
Northeast	1491	1588	1588
North Central	1900	1918	1929
Northwest	2145	2111	2293

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
Mechanisms include motor vehicle crashes, falls, fires/burns, drowning, unintentional poisoning, attempted suicide, and assault

Deaths from Combined Injury Mechanism and Intents Among Arkansans By Trauma System Region, 2000-2007



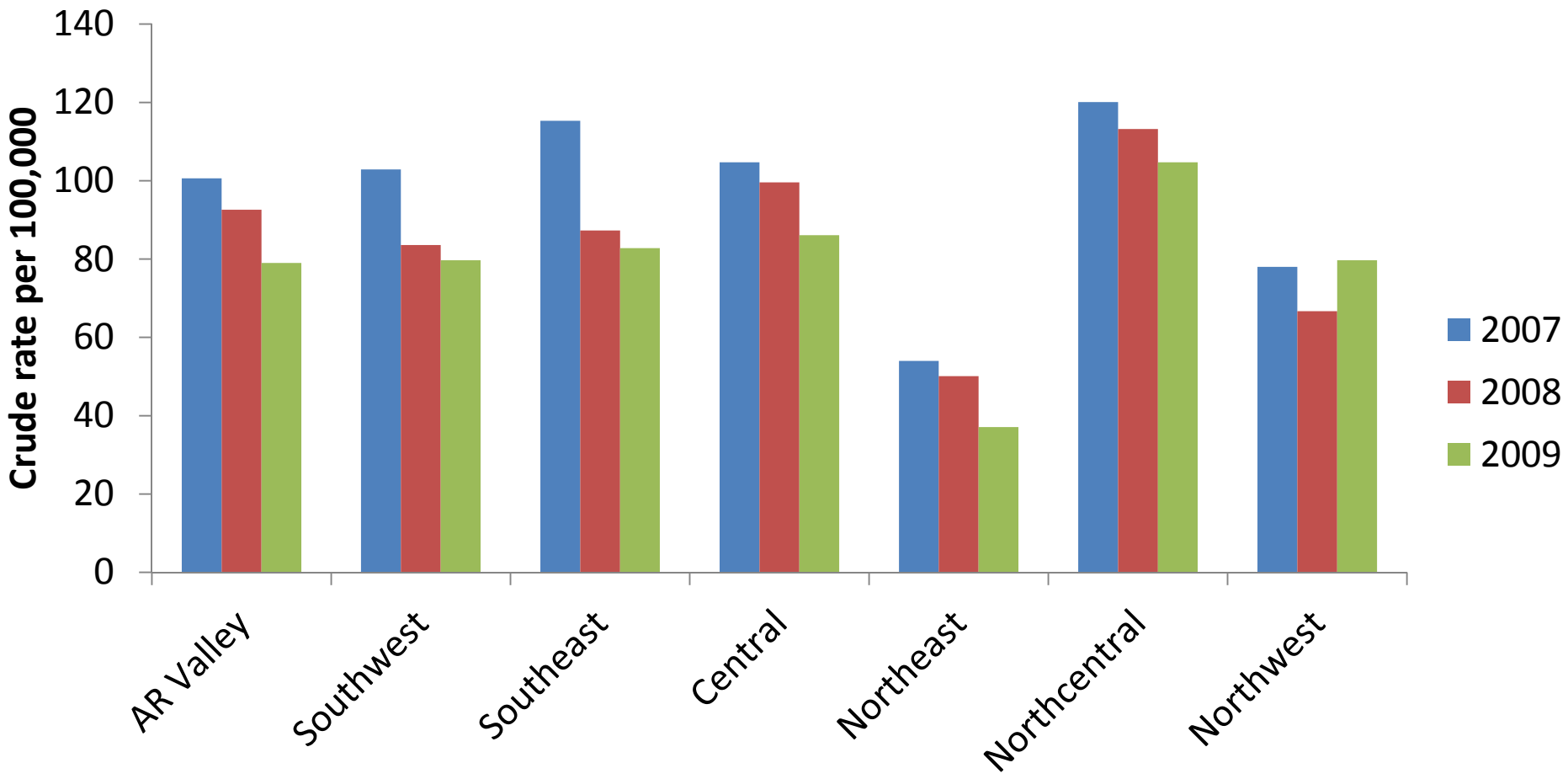
Source: Centers for Disease Control, Wonder Database
Mechanisms include motor vehicle crashes, falls, fires/burns, drowning, unintentional poisoning, attempted suicide, and assault

Deaths from Combined Injury Mechanism and Intents Among Arkansans By Trauma System Region, 2000-2007

	Count	Rate
AR Valley	1961	67.92
Central	3644	112.17
North central	2011	116.19
Northeast	2668	49.12
Northwest	2119	65.74
Southeast	1446	60.89
Southwest	2833	70.21
United States	1352544	57.99
Arkansas	16682	72.75

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
Mechanisms include motor vehicle crashes, falls, fires/burns, drowning, unintentional poisoning, attempted suicide, and assault

Hospitalizations from Motor Vehicle Crashes Among Arkansans By Trauma System Region, 2007-2009



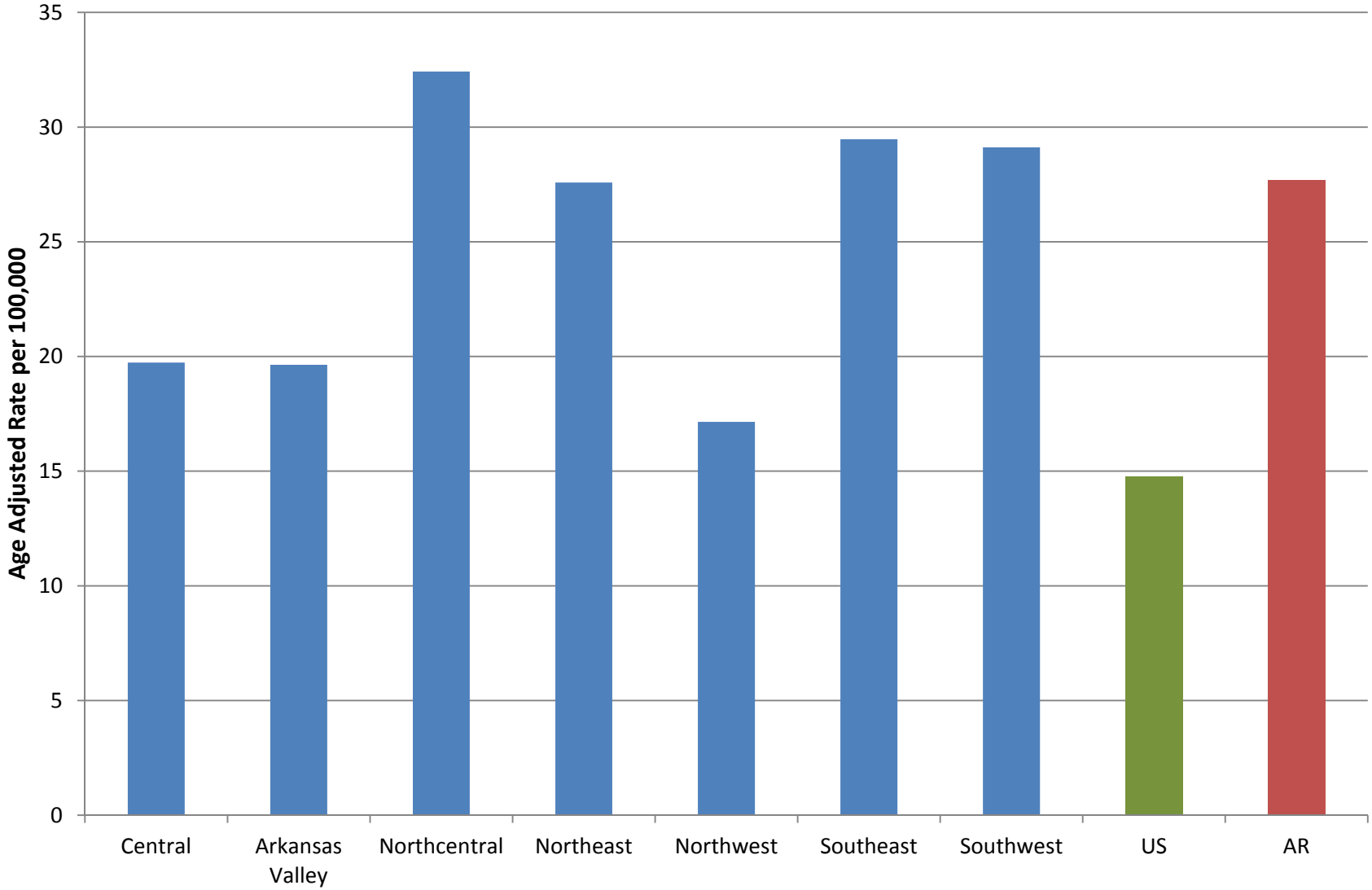
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Motor Vehicle Crashes Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	361	334	287
Southwest	417	340	324
Southeast	251	189	178
Central	701	676	593
Northeast	217	202	150
North Central	355	336	312
Northwest	385	337	410

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Unintentional Deaths from Motor Vehicle Crashes Among Arkansans By Trauma System Region, 2000-2007



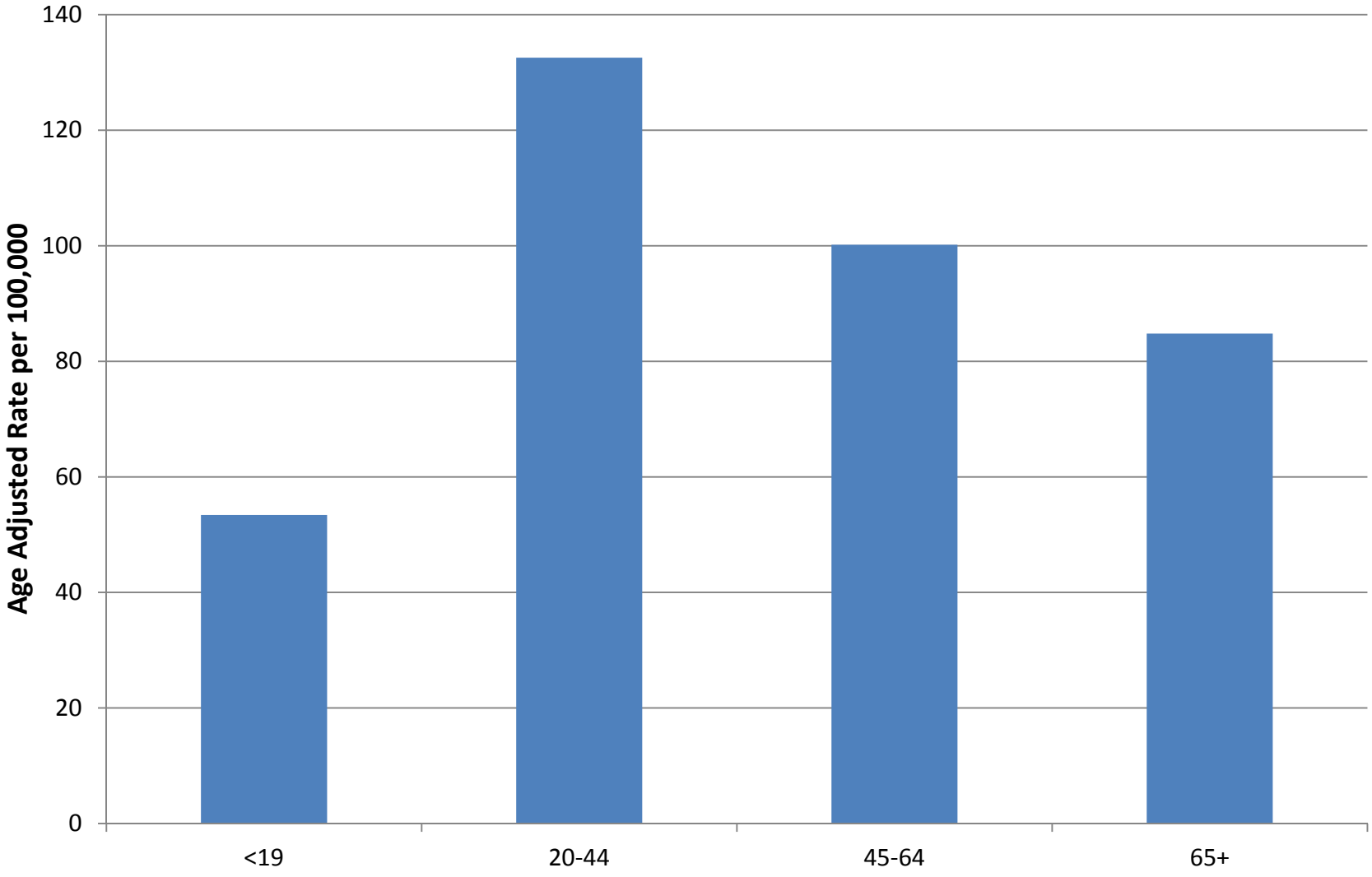
Source: Centers for Disease Control, Wonder Database

Unintentional Deaths from Motor Vehicle Crashes Among Arkansans By Trauma System Region, 2000-2007

Region	<1-19	20-44	45-64	65+	Total
AR Valley	111	257	124	75	567
Southwest	182	423	191	150	946
Southeast	93	234	113	70	510
Central	203	503	242	124	1072
Northeast	152	389	203	145	889
North Central	124	279	202	165	770
Northwest	124	312	169	87	692
Arkansas	989	2397	1244	816	5446
United States	56833	152786	78086	56766	344471

Source: Centers for Disease Control, Wonder Database

Hospitalizations from Motor Vehicle Crashes
Central,
By Age Group, 2007-2009



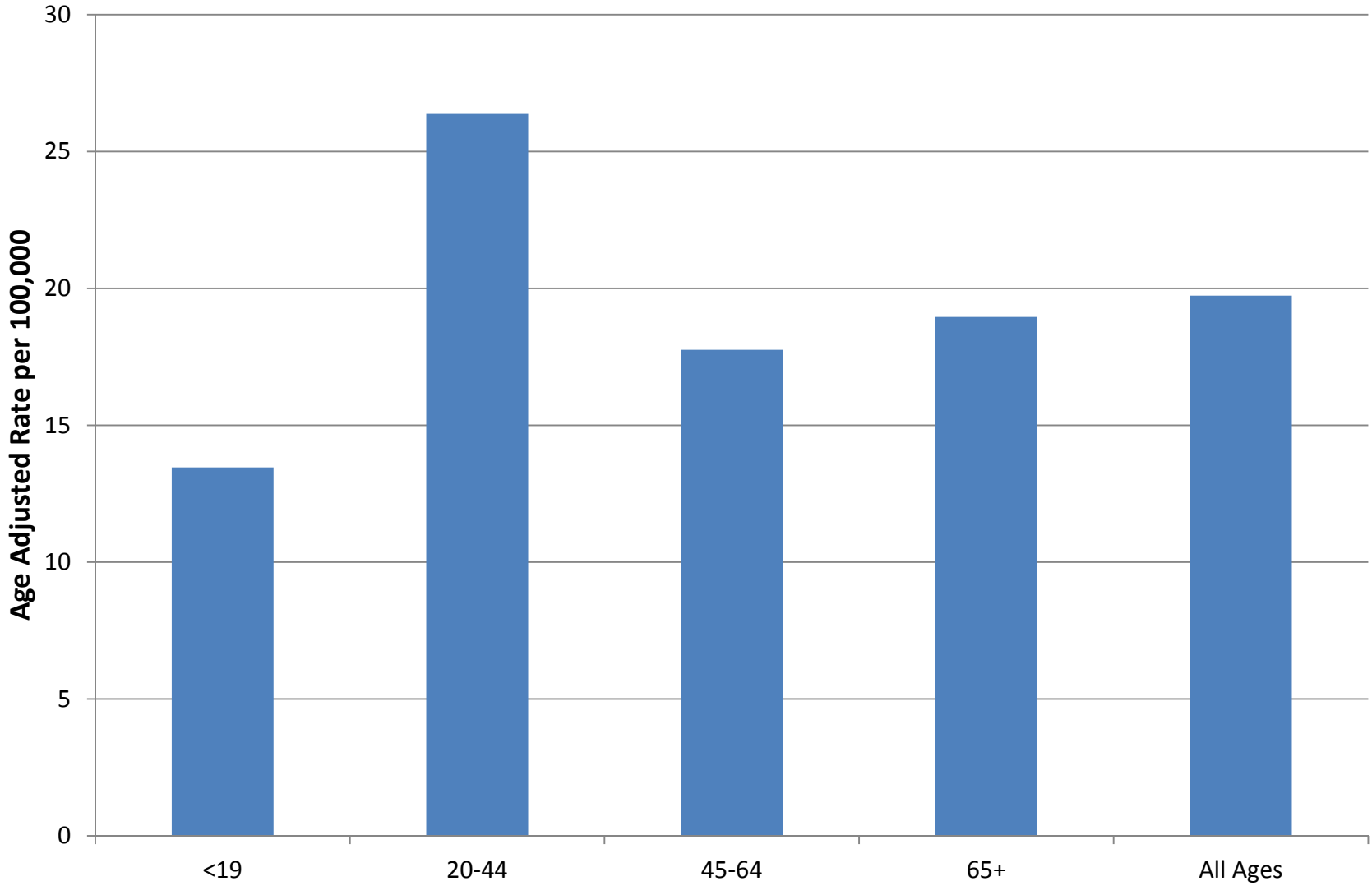
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Motor Vehicle Crashes
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate
Central	302	53.40	948	132.56	512	100.18	208	84.80

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Unintentional Deaths from Motor Vehicle Crashes Central, By Age Group, 2000-2007



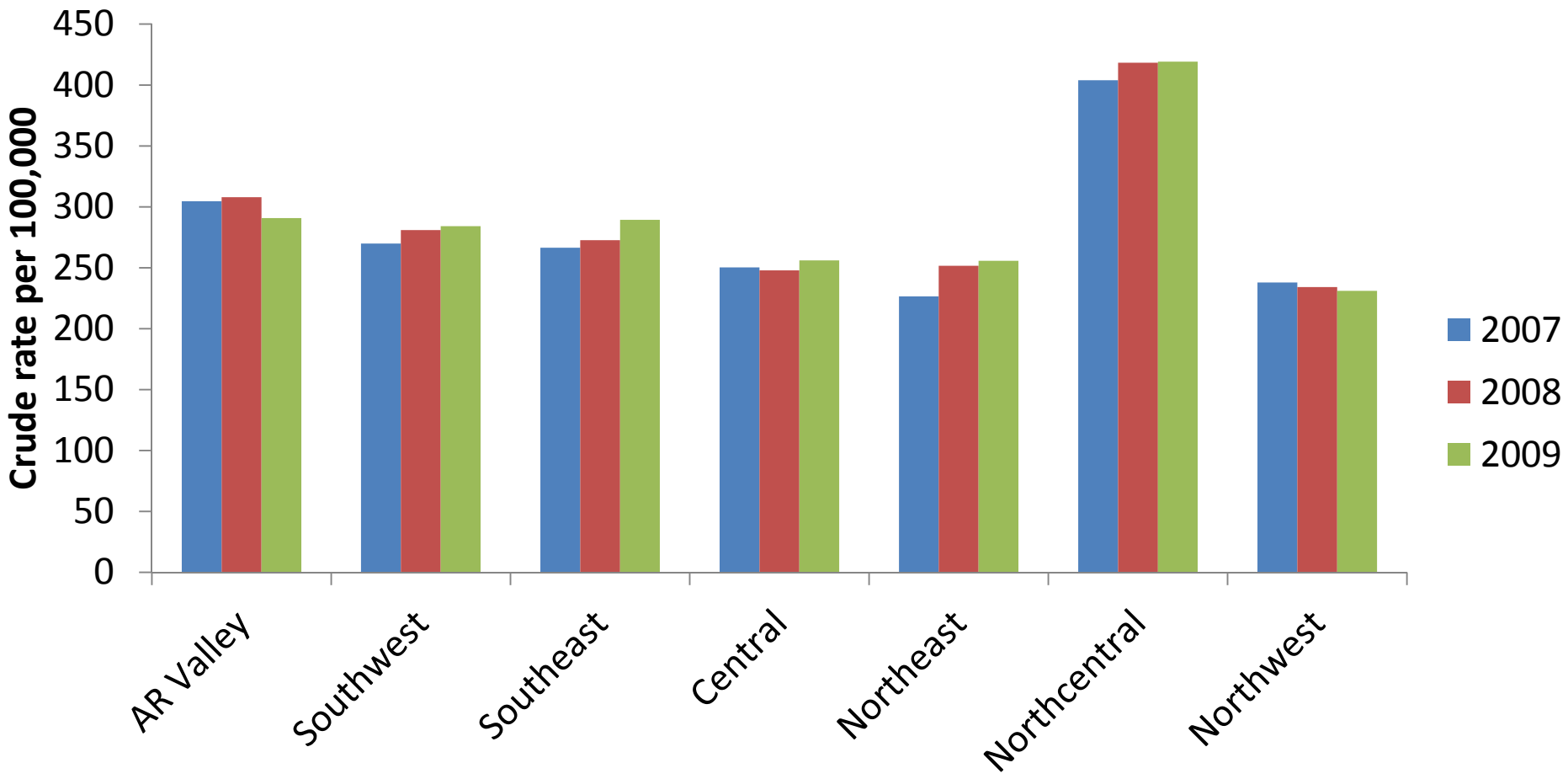
Source: Centers for Disease Control, Wonder Database

Deaths from Motor Vehicle Crashes
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+		All Ages	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Central	203	13.46	503	26.38	242	17.76	124	18.96	1072	19.73

Source: Centers for Disease Control, Wonder Database

Hospitalizations from Unintentional Falls Among Arkansans By Trauma System Region, 2007-2009



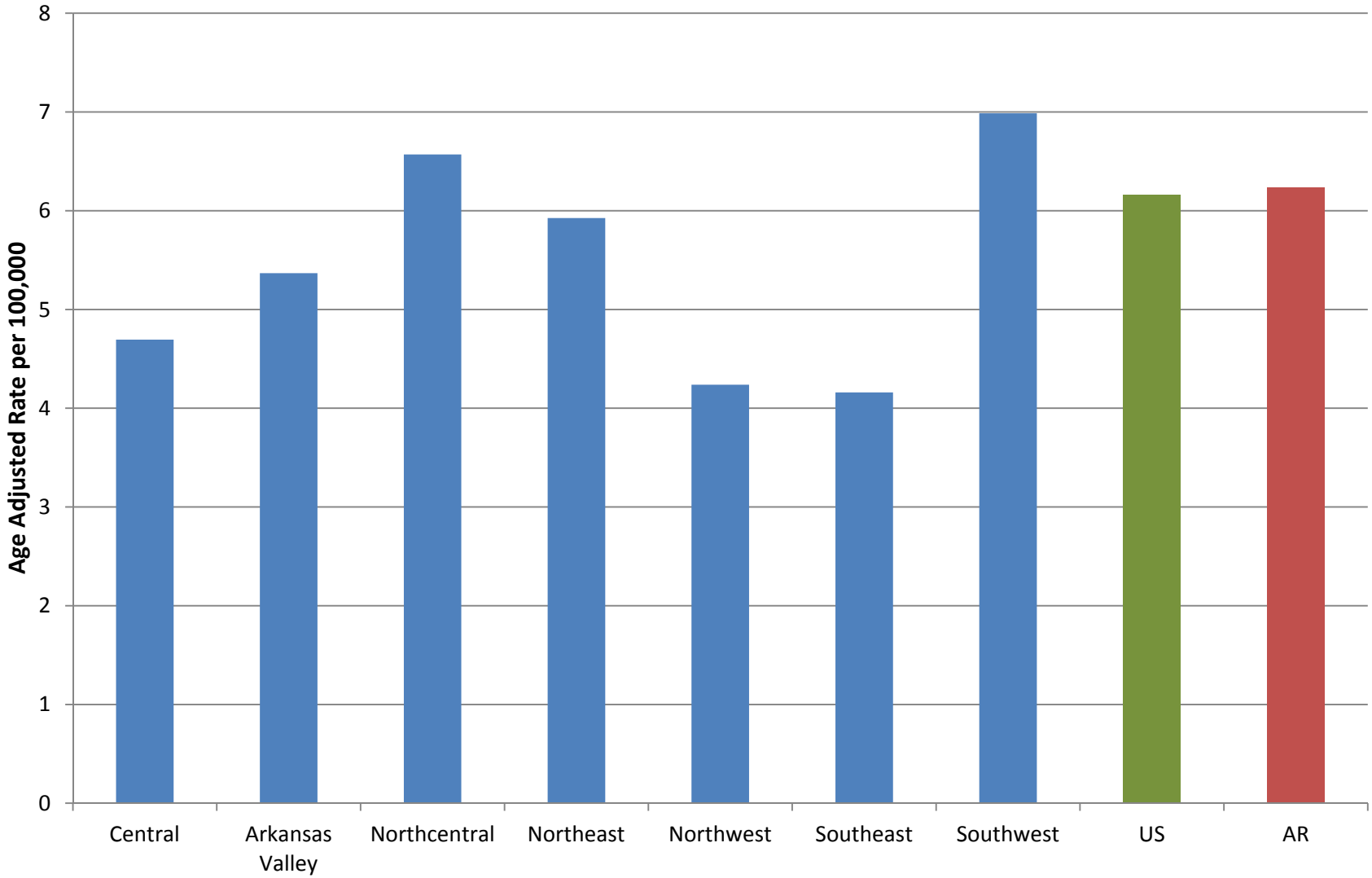
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Unintentional Falls Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	1093	1111	1056
Southwest	1094	1142	1155
Southeast	580	590	622
Central	1676	1683	1763
Northeast	910	1014	1033
North Central	1194	1242	1249
Northwest	1174	1183	1189

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Falls Among Arkansans By Trauma System Region, 2000-2007



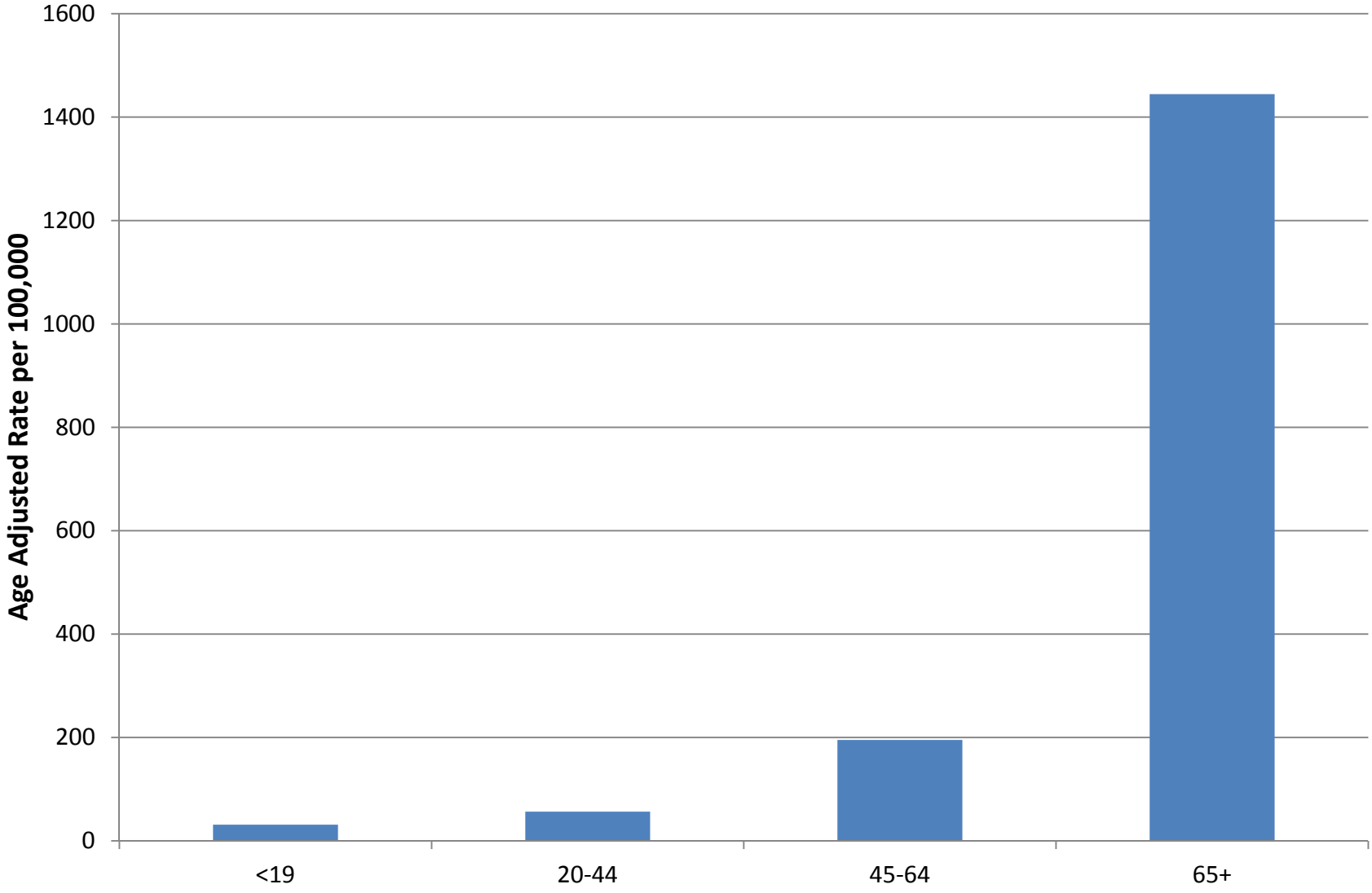
Source: Centers for Disease Control, Wonder Database

Deaths from Unintentional Falls Among Arkansans By Trauma System Region, 2000-2007

Region	<1-19	20-44	45-64	65+	Total**
AR Valley	2	12	14	127	155
Southwest	1	14	28	187	227
Southeast	1	14	10	47	72
Central	0	25	50	180	255
Northeast	0	14	28	149	191
North Central	0	7	18	131	156
Northwest	4	16	17	134	171
Arkansas	8	102	165	952	1227
United States	1481	8775	19351	114119	143726

Source: Centers for Disease Control, Wonder Database
*Suppressed count-197

Hospitalizations from Unintentional Falls
Central,
By Age Group, 2007-2009



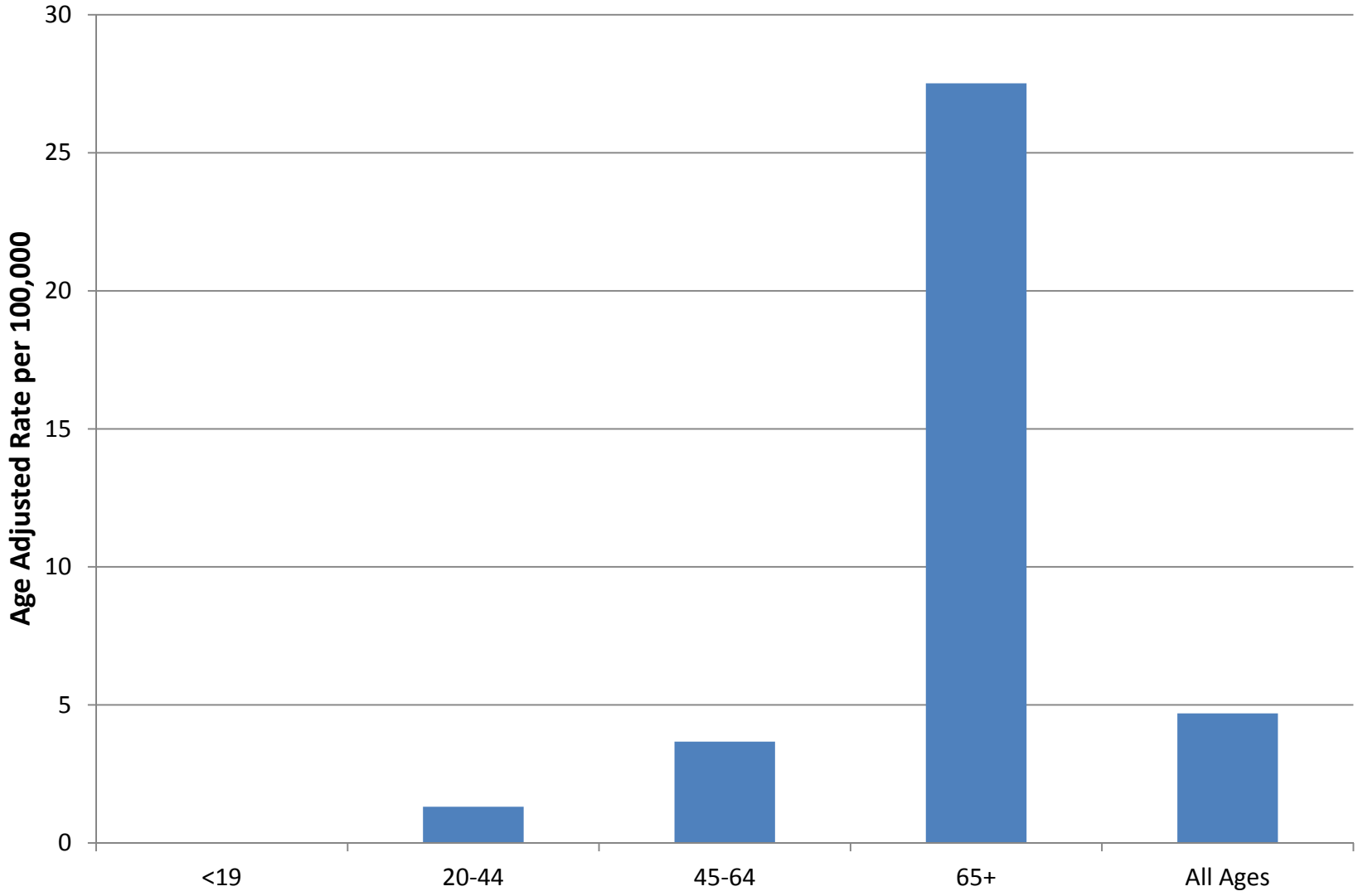
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Unintentional Falls
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate
Central	177	31.29	404	56.49	998	195.28	3543	1444.49

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Falls
Central,
By Age Group, 2000-2007



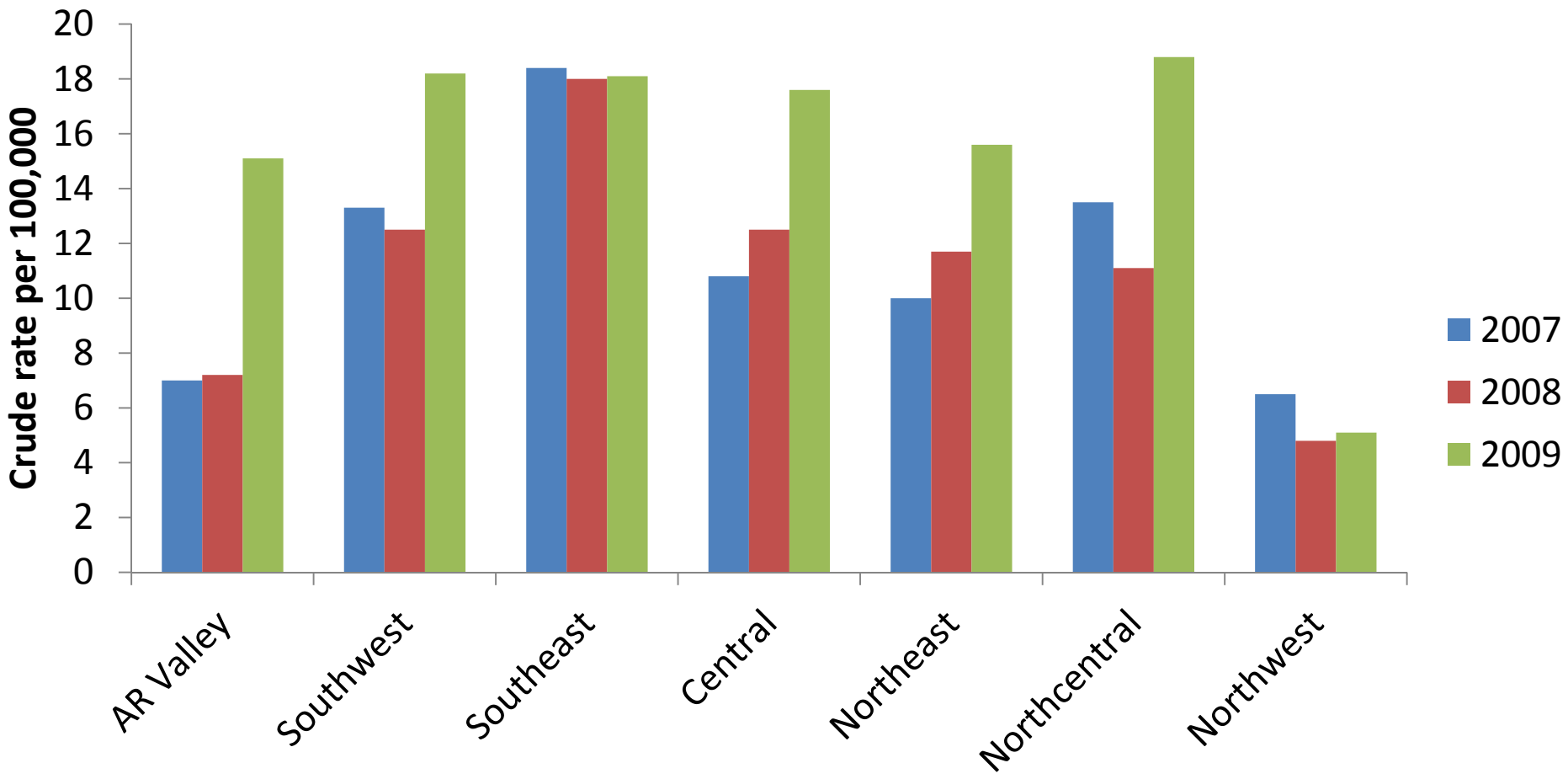
Source: Centers for Disease Control, Wonder Database

Deaths from Unintentional Falls
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+		All Ages	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Central	0	0.00	25	1.31	50	3.67	180	27.52	255	4.69

Source: Centers for Disease Control, Wonder Database

Hospitalizations from Unintentional Fires/Burns Among Arkansans By Trauma System Region, 2007-2009



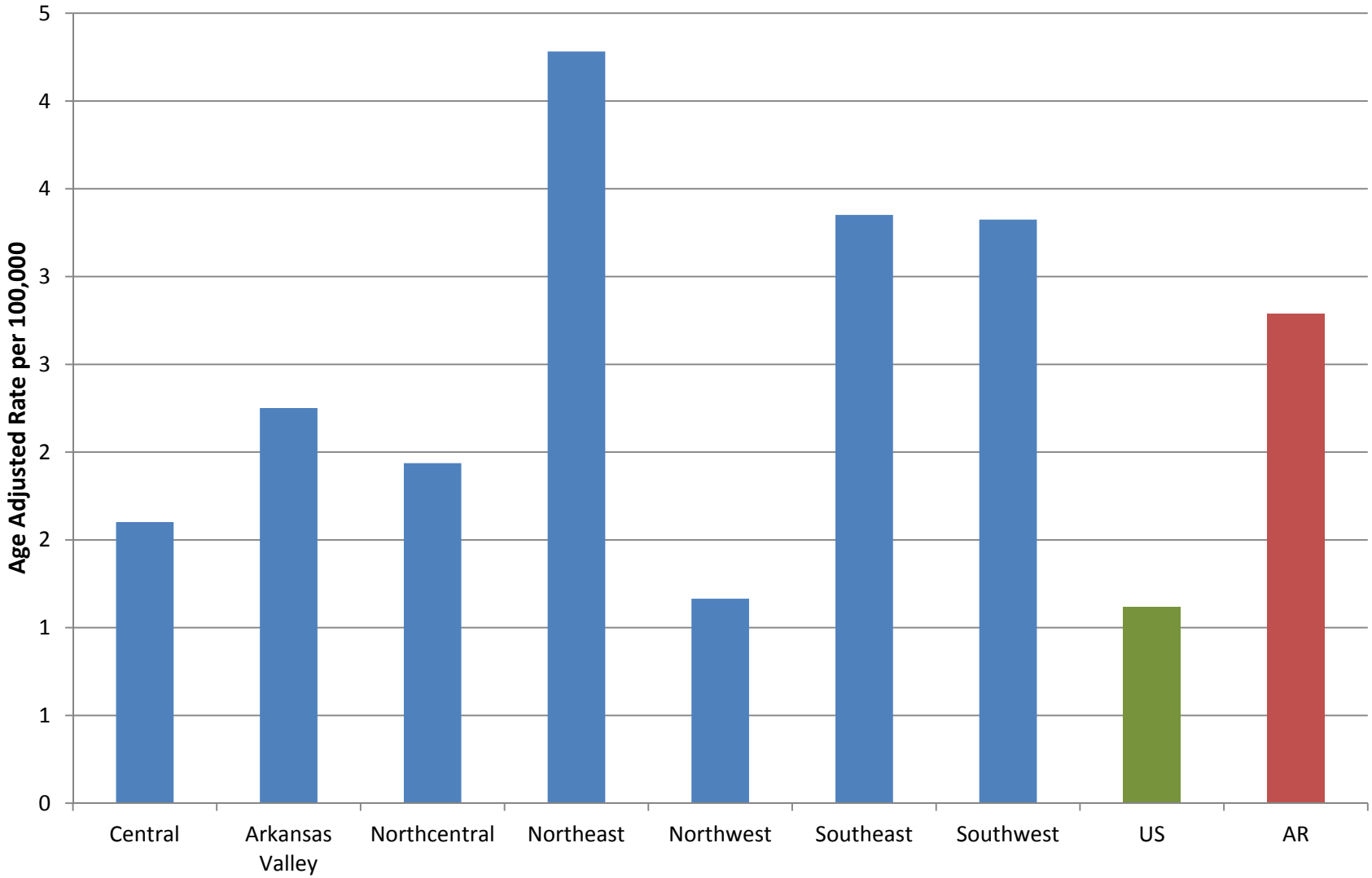
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Unintentional Fires/Burns Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	25	26	55
Southwest	54	51	74
Southeast	40	39	39
Central	72	85	121
Northeast	40	47	63
North Central	40	33	56
Northwest	32	24	26

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Fire/Burns Among Arkansans By Trauma System Region, 2000-2007



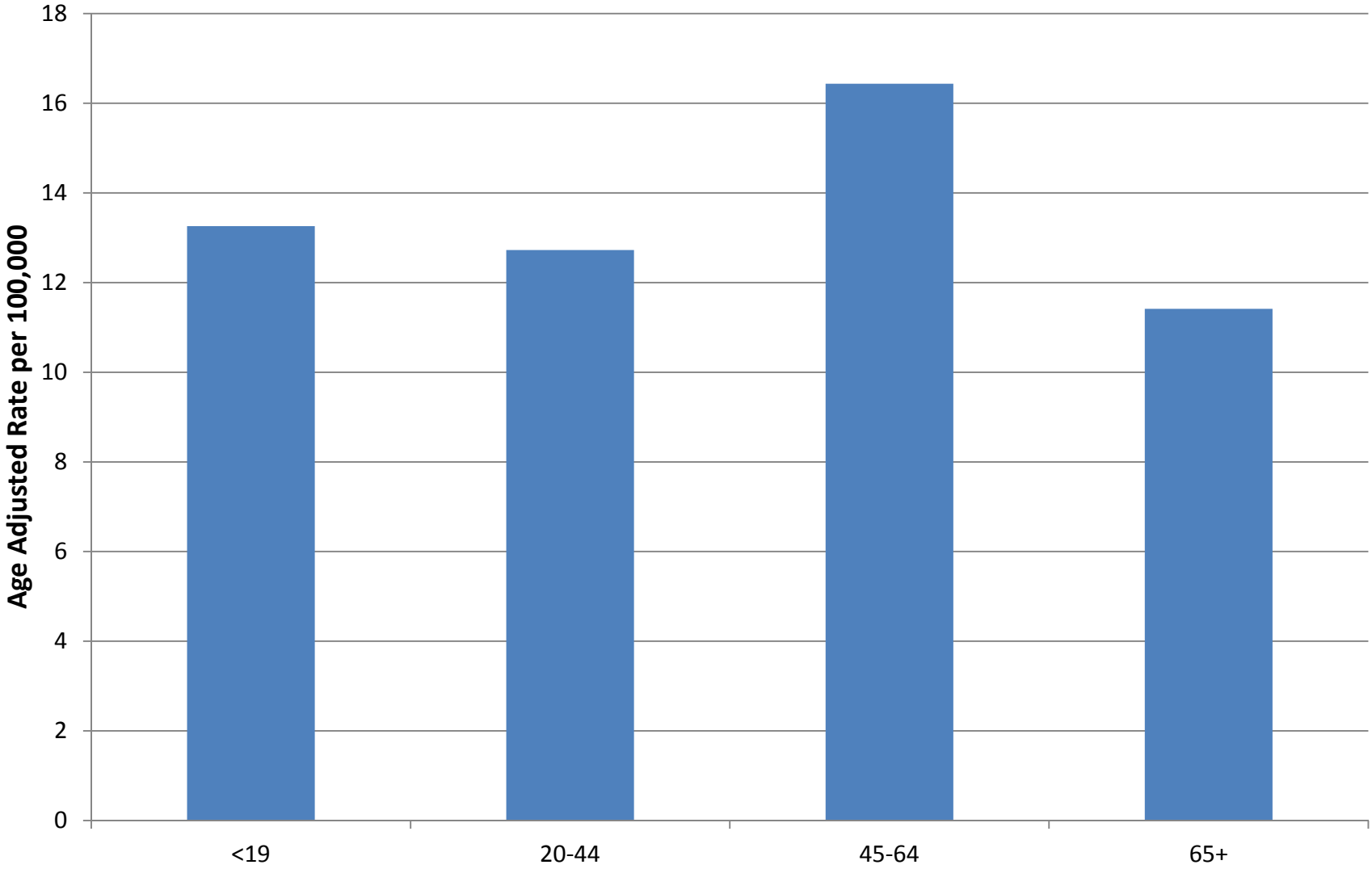
Source: Centers for Disease Control, Wonder Database

Deaths from Unintentional Fires/Burns Among Arkansans By Trauma System Region, 2000-2007

Region	<1-19	20-44	45-64	65+	Total**
AR Valley	7	23	16	19	65
Southwest	22	27	24	35	108
Southeast	16	11	14	17	58
Central	20	16	25	26	87
Northeast	21	39	38	40	138
North Central	7	7	12	20	46
Northwest	14	12	12	9	47
Arkansas	107	135	141	166	549
United States	4531	5655	7025	8793	26004

Source: Centers for Disease Control, Wonder Database
*Suppressed count-197

Hospitalizations from Unintentional Fires/Burns
Central,
By Age Group, 2007-2009



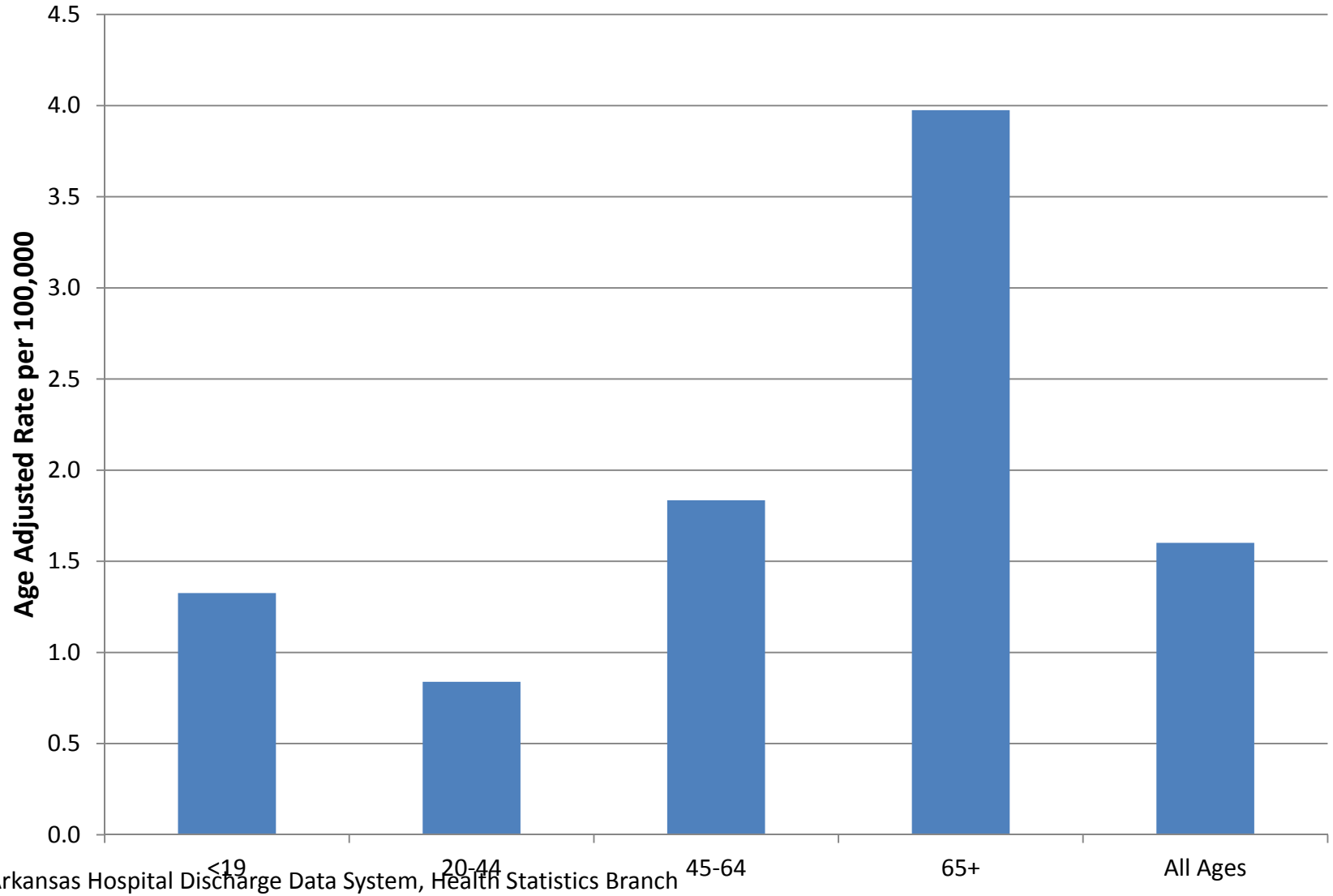
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Unintentional Fires/Burns
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate
Central	75	13.26	91	12.73	84	16.44	28	11.42

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Fires/Burns
Central,
By Age Group, 2007-2009



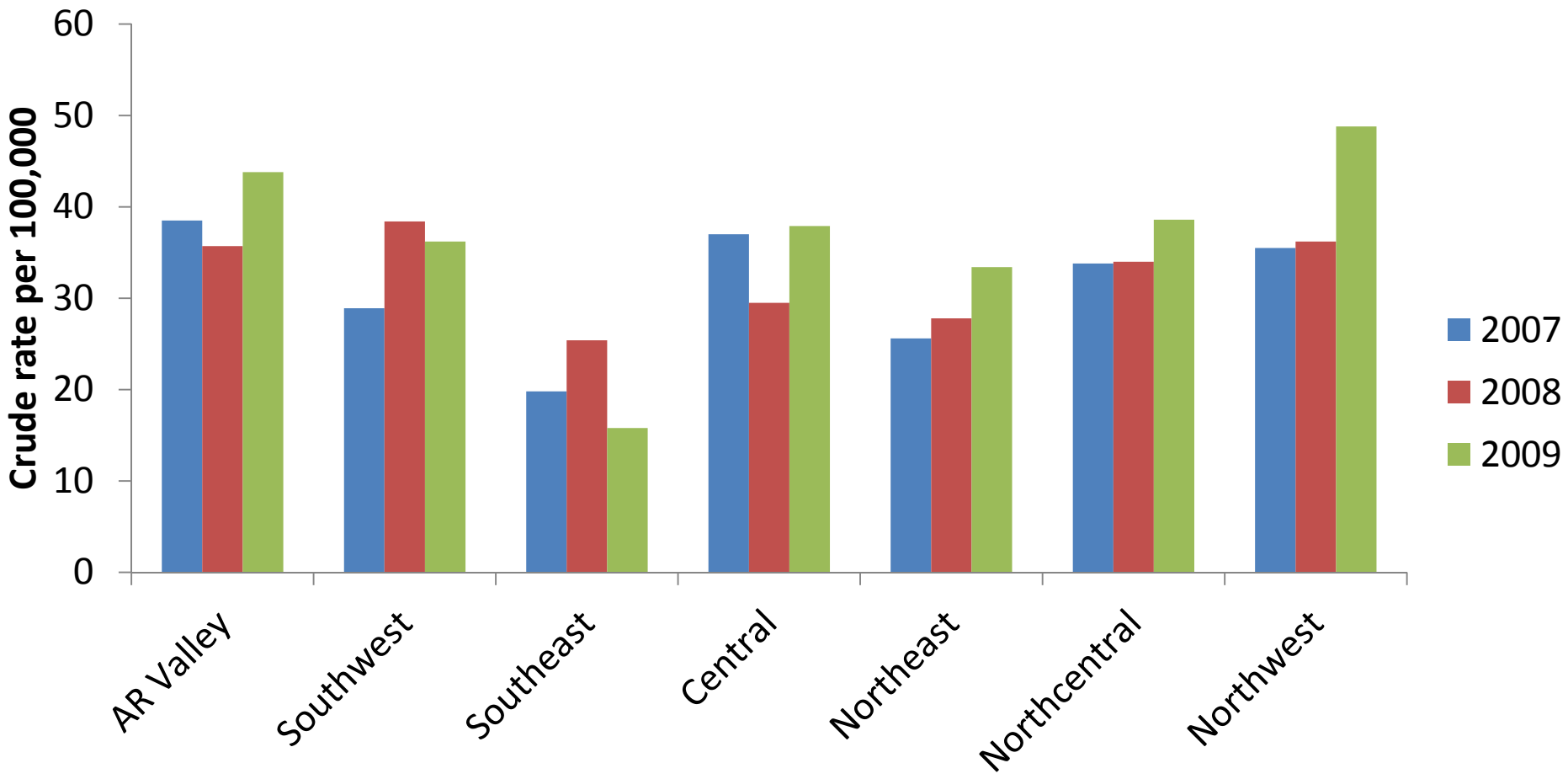
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Fires/Burns
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+		All Ages	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Central	20	1.33	16	0.84	25	1.83	26	3.98	87	1.60

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Unintentional Poisoning Among Arkansans By Trauma System Region, 2007-2009



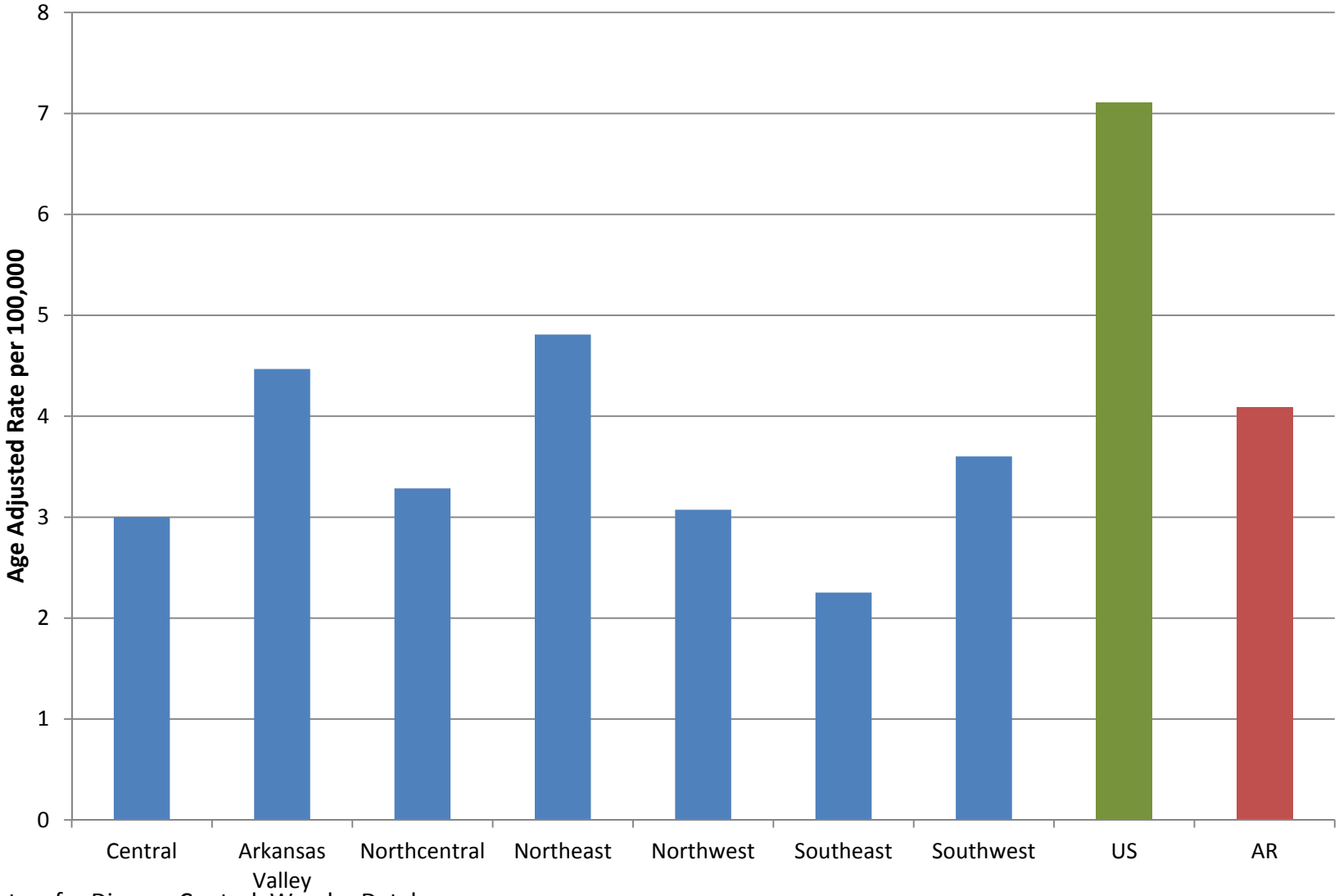
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
**Counts masked

Hospitalizations from Unintentional Poisoning Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	138	129	159
Southwest	117	156	147
Southeast	43	55	34
Central	248	200	261
Northeast	103	112	135
North Central	100	101	115
Northwest	175	183	251

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Poisoning Among Arkansans By Trauma System Region, 2000-2007



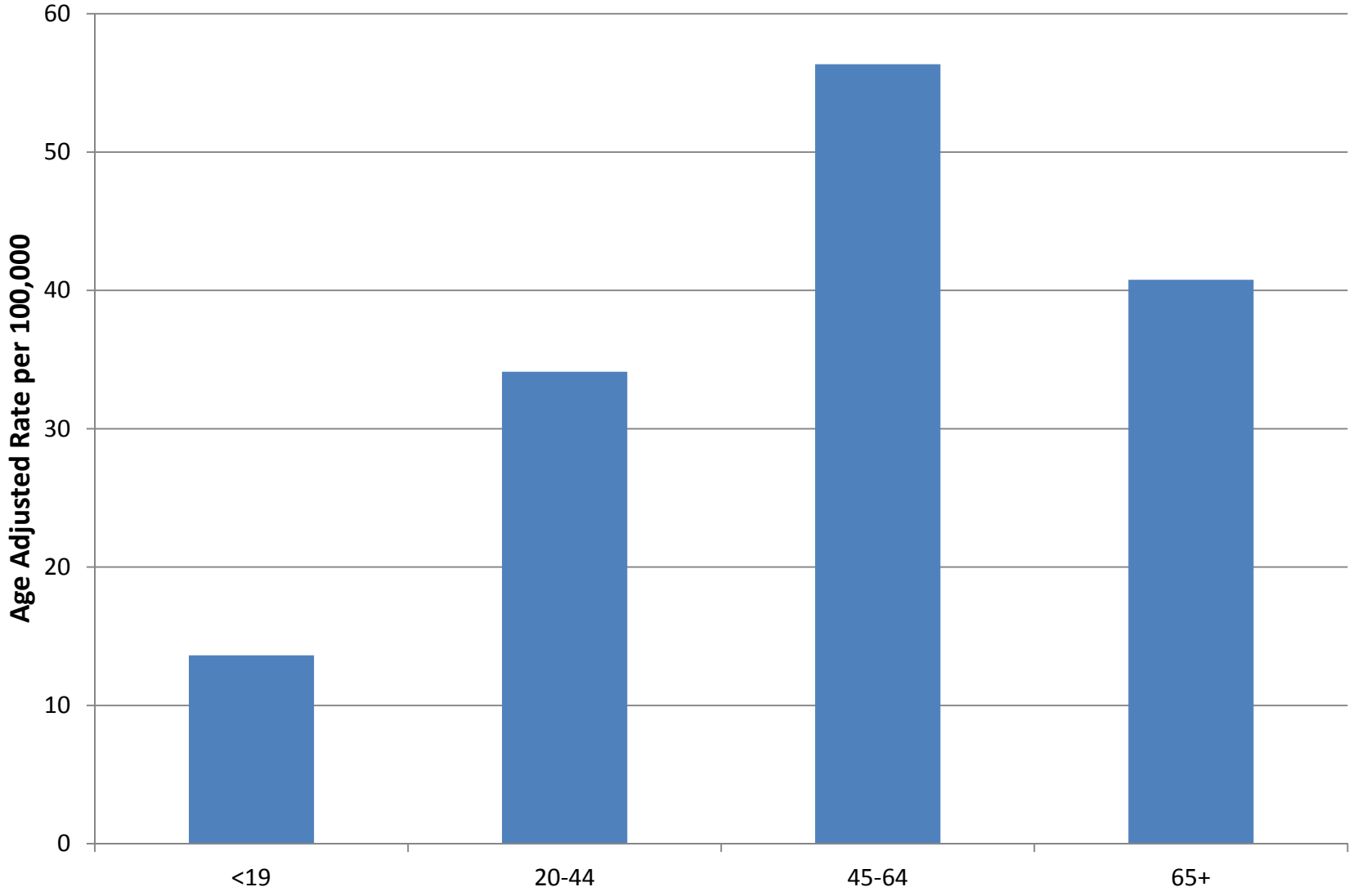
Source: Centers for Disease Control, Wonder Database

Deaths from Unintentional Poisoning Among Arkansans By Trauma System Region, 2007-2009

Region	<1-19	20-44	45-64	65+	Total**
AR Valley	6	73	40	10	129
Southwest	7	63	32	15	117
Southeast	*	16	16	*	39
Central	11	78	52	22	163
Northeast	4	92	40	19	155
North Central	*	39	26	*	78
Northwest	9	75	28	12	124
Arkansas	42	436	234	93	805
United States	5449	93077	60053	7147	165726

Source: Source: Centers for Disease Control, Wonder Database
*Suppressed numbers=20

Hospitalizations from Unintentional Poisoning Central, By Age Group, 2007-2009



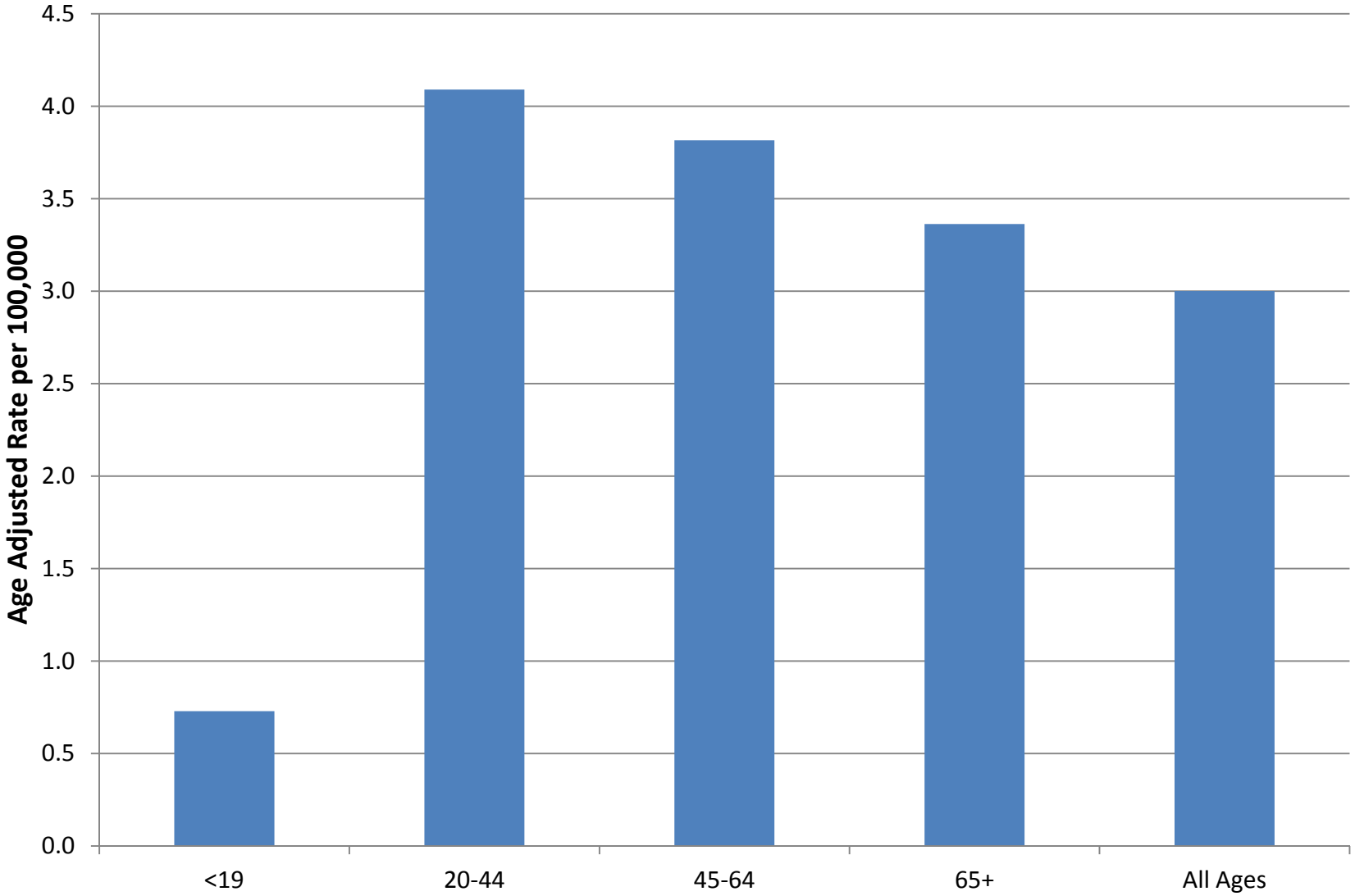
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Unintentional Poisonings
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate
Central	77	13.61	244	34.12	288	56.35	100	40.77

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Unintentional Poisoning Central, By Age Group, 2007-2009



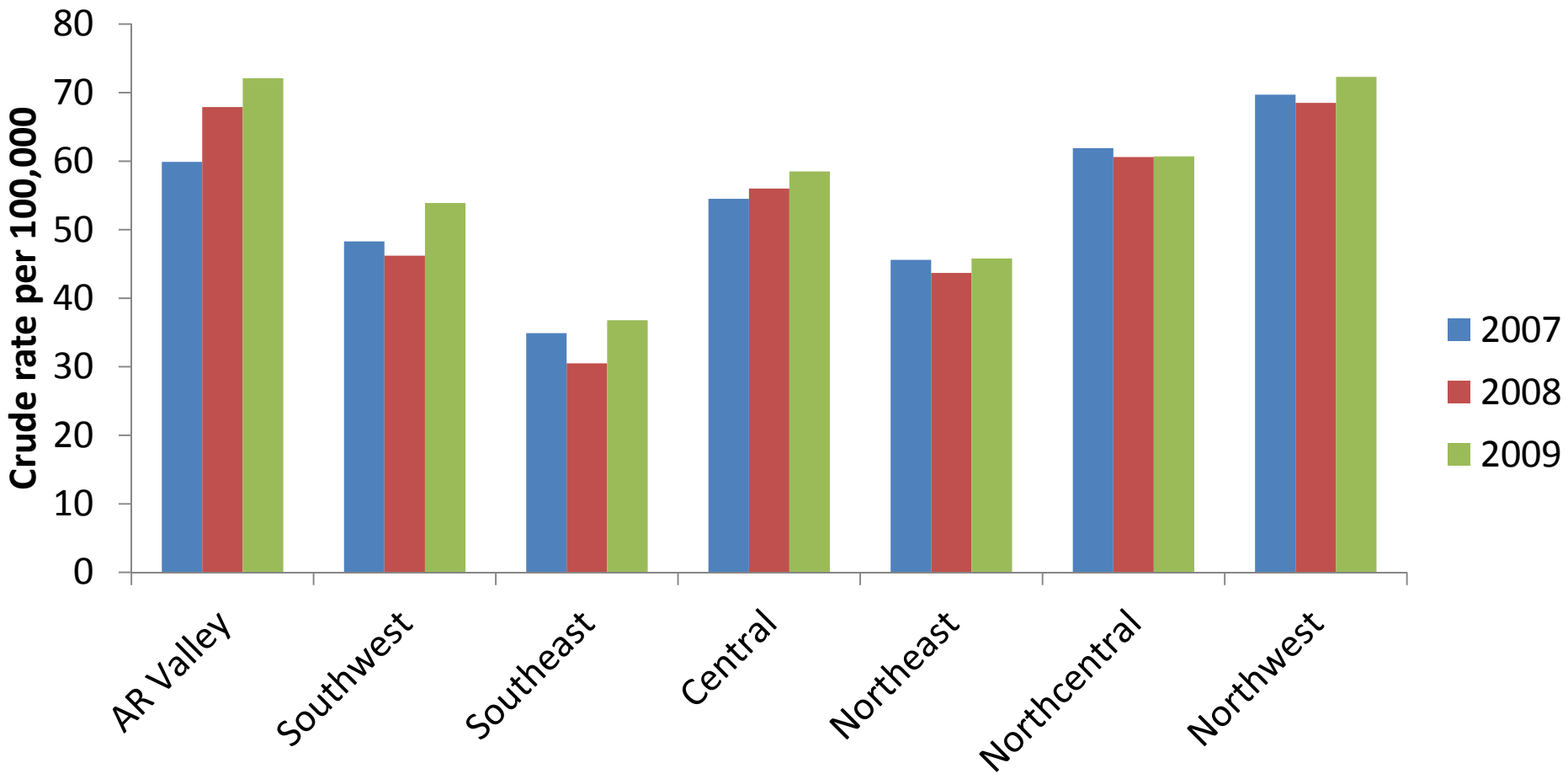
Source: Source: Centers for Disease Control, Wonder Database

Deaths from Unintentional Poisonings
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+		All Ages	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Central	11	0.73	78	4.09	52	3.82	22	3.36	163	3.00

Source: Source: Centers for Disease Control, Wonder Database

Hospitalizations from Attempted Suicide Among Arkansans By Trauma System Region, 2007-2009



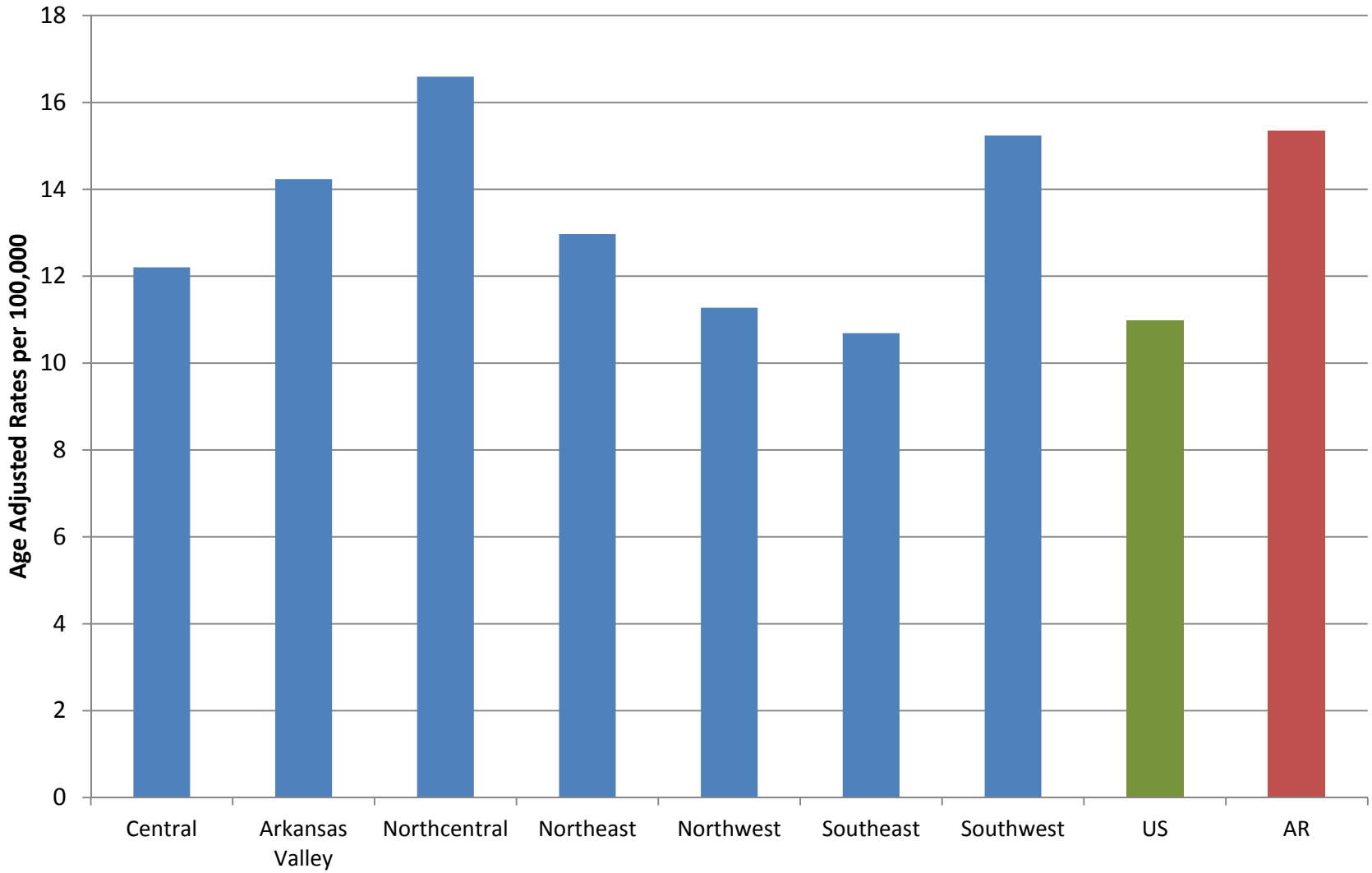
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Attempted Suicide Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	215	245	262
Southwest	196	188	219
Southeast	76	66	79
Central	365	380	403
Northeast	183	176	185
North Central	183	180	181
Northwest	344	346	372

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Suicide
Among Arkansans By Trauma System Region, 2007-2009



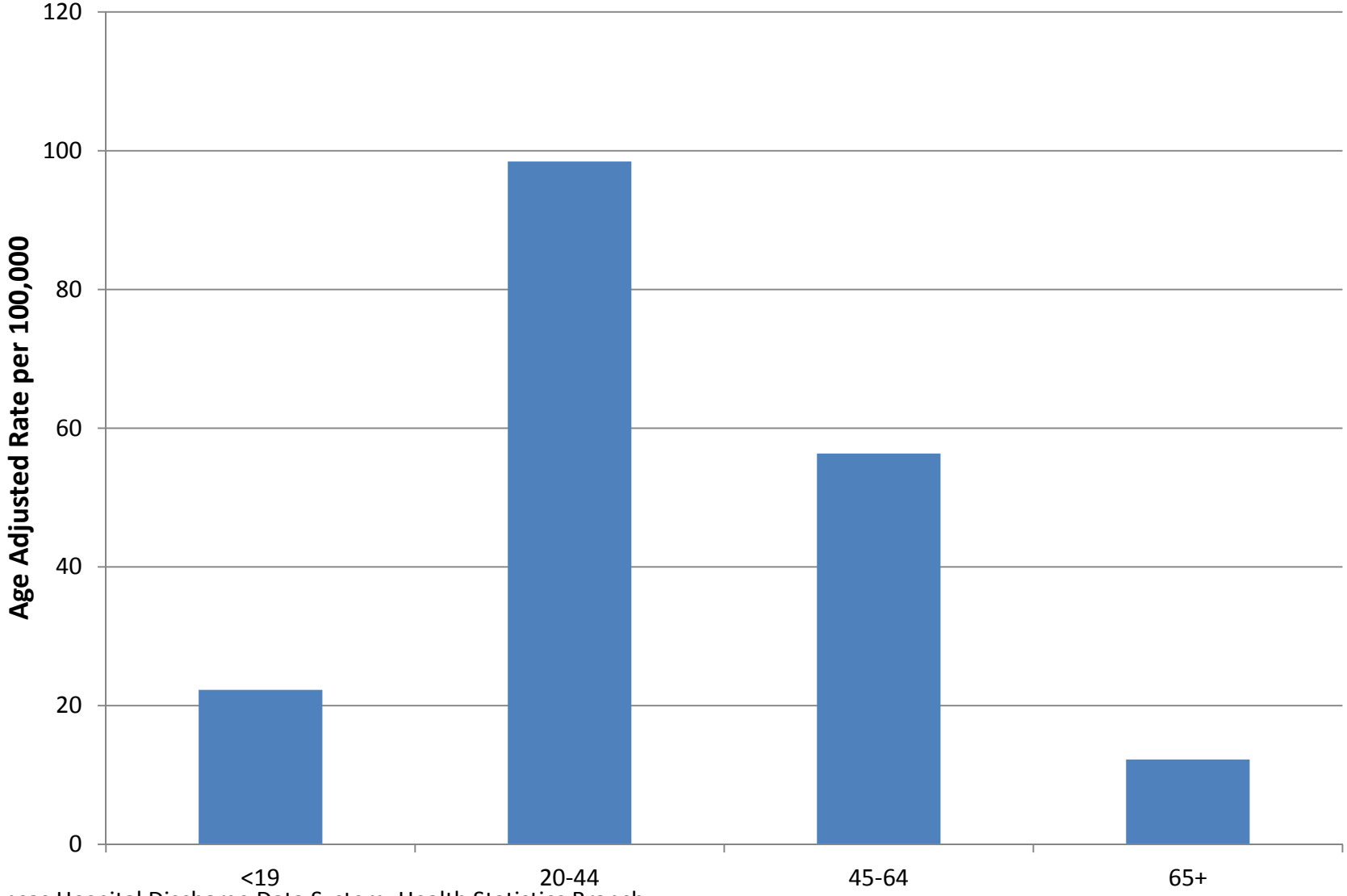
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Suicide
Among Arkansans By Trauma System Region, 2007-2009

Region	<1-19	20-44	45-64	65+	Total**
AR Valley	26	196	126	63	411
Southwest	25	201	173	96	495
Southeast	17	79	59	30	185
Central	37	319	226	81	663
Northeast	20	202	123	73	418
North Central	19	158	124	93	394
Northwest	22	219	137	77	455
Arkansas	166	1374	968	513	3021
United States	14641	113690	84865	42817	256013

Source: Source: Centers for Disease Control, Wonder Database

Hospitalizations from Attempted Suicide
Central,
By Age Group, 2007-2009



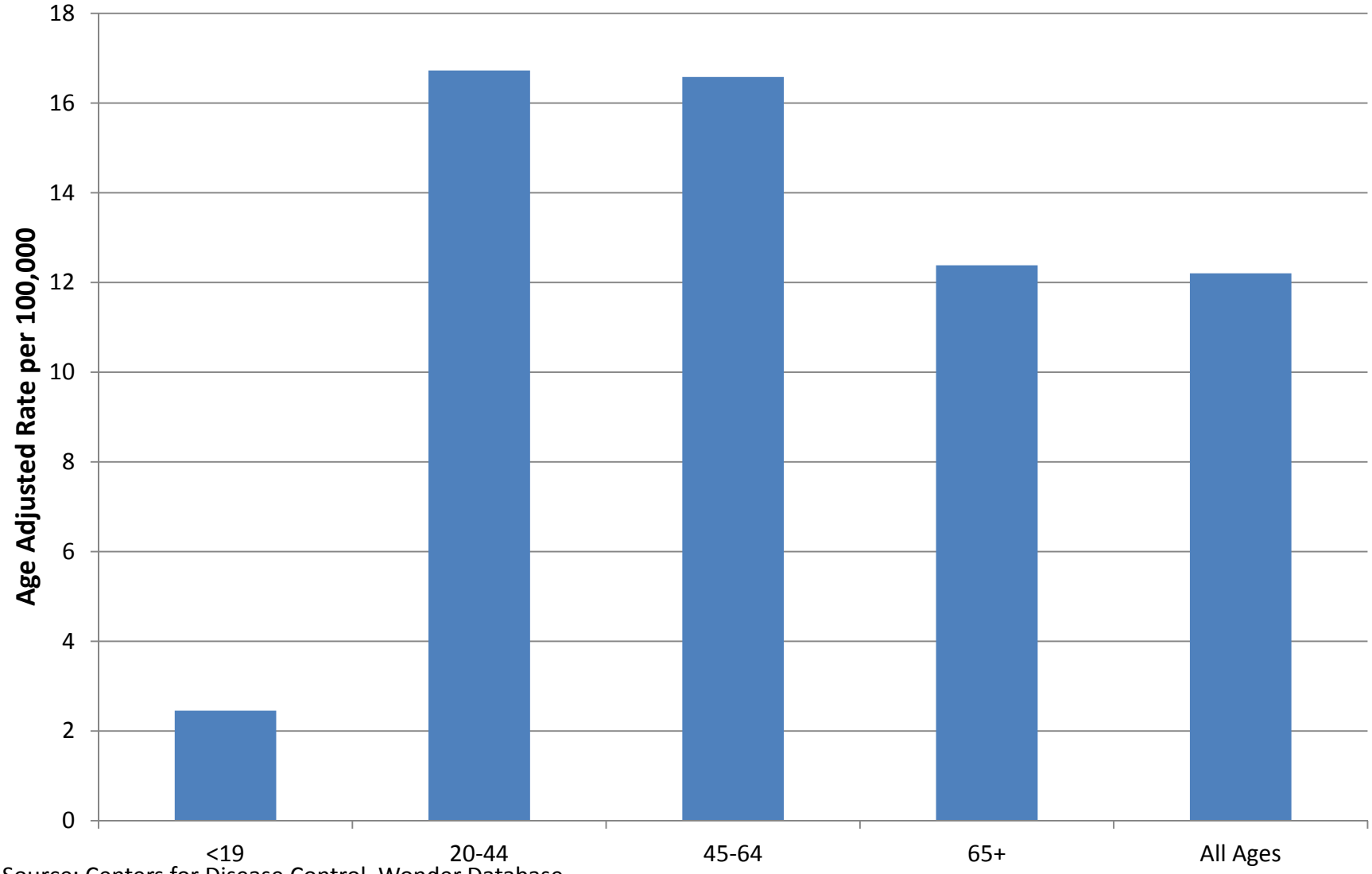
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Attempted Suicide
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate
Central	126	22.28	704	98.44	288	56.35	30	12.23

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
**Counts masked

Deaths from Suicide
Central,
By Age Group, 2007-2009



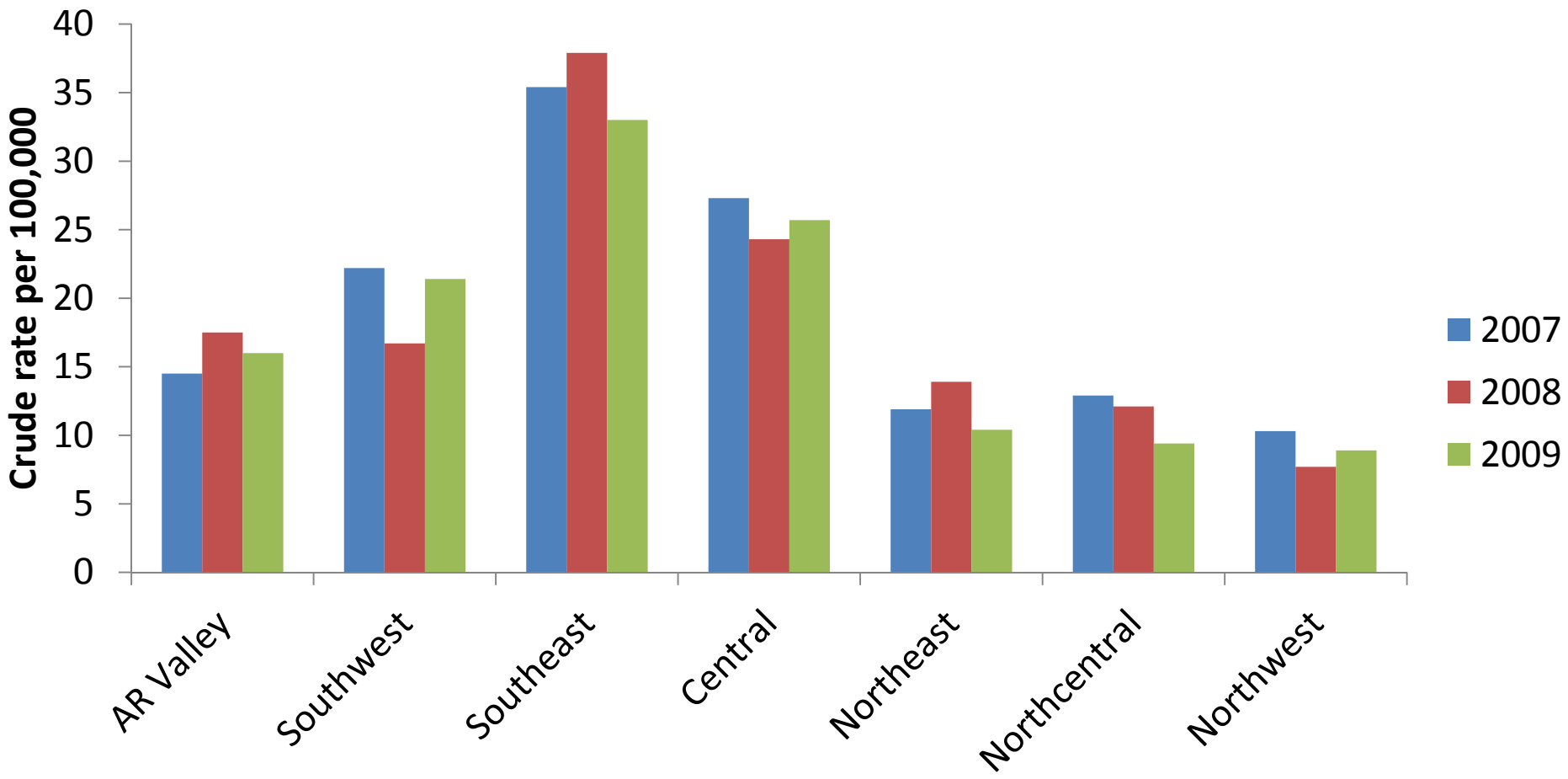
Source: Source: Centers for Disease Control, Wonder Database

Deaths from Suicide
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+		All Ages	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Central	37	2.45	319	16.73	226	16.58	81	12.38	663	12.21

Source: Source: Centers for Disease Control, Wonder Database

Hospitalizations from Assault Among Arkansans By Trauma System Region, 2007-2009



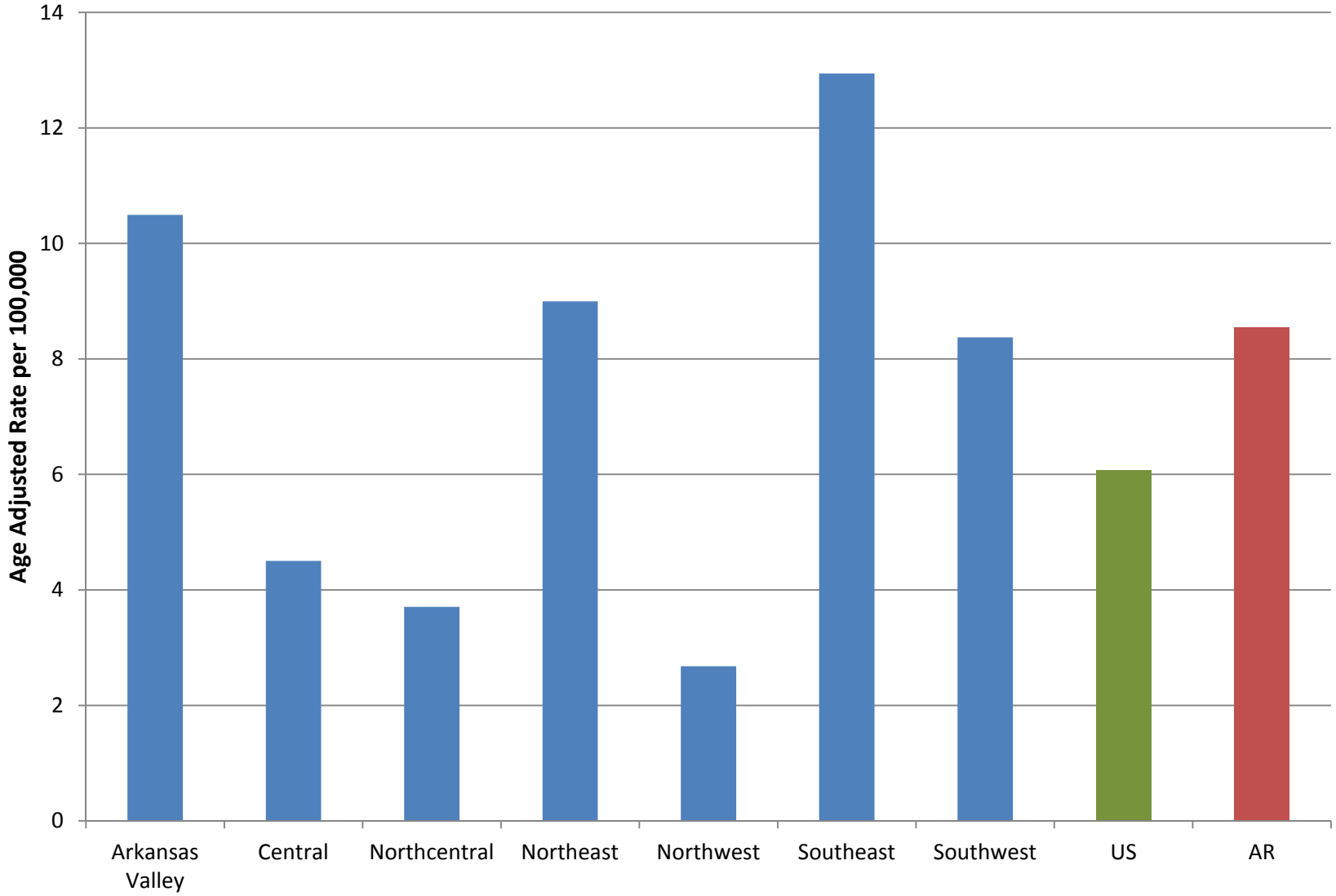
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Hospitalizations from Assault Among Arkansans By Trauma System Region, 2007-2009

Region	2007	2008	2009
AR Valley	52	63	58
Southwest	90	68	87
Southeast	77	82	71
Central	183	165	177
Northeast	48	56	42
North Central	38	36	28
Northwest	51	39	46

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch

Deaths from Assault
Among Arkansans By Trauma System Region, 2007-2009



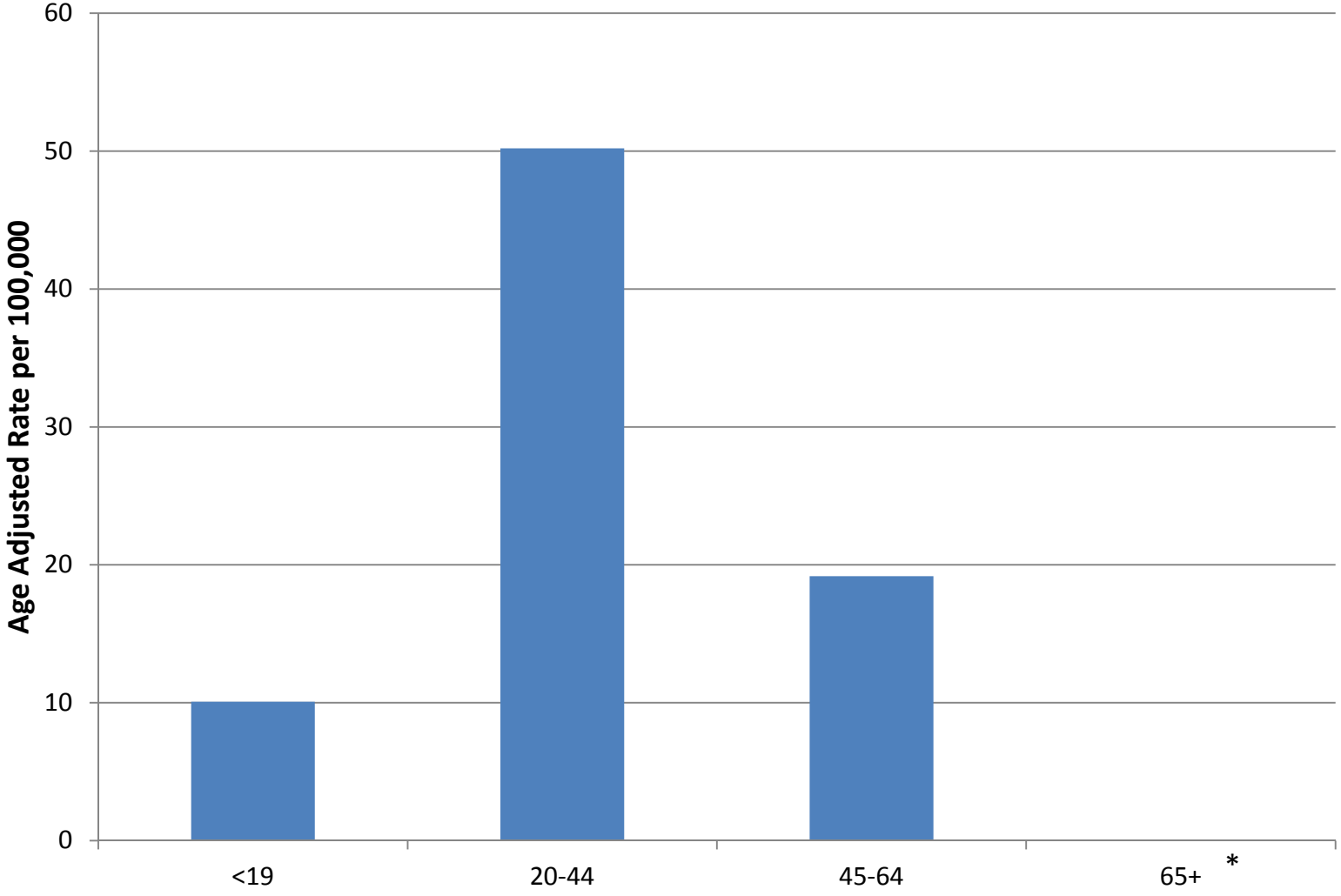
Source: Source: Centers for Disease Control, Wonder Database

Deaths from Assault
Among Arkansans By Trauma System Region, 2007-2009

Region	<1-19	20-44	45-64	65+	Total**
AR Valley	24	67	22	17	130
Southwest	30	148	69	25	272
Southeast	41	134	38	11	224
Central	93	352	100	25	570
Northeast	50	176	47	17	290
North Central	7	48	27	6	88
Northwest	18	50	30	10	108
Arkansas	263	975	333	111	1682
United States	24670	87596	22809	6615	141690

Source: Source: Centers for Disease Control, Wonder Database

Hospitalizations from Assault
Central,
By Age Group, 2007-2009



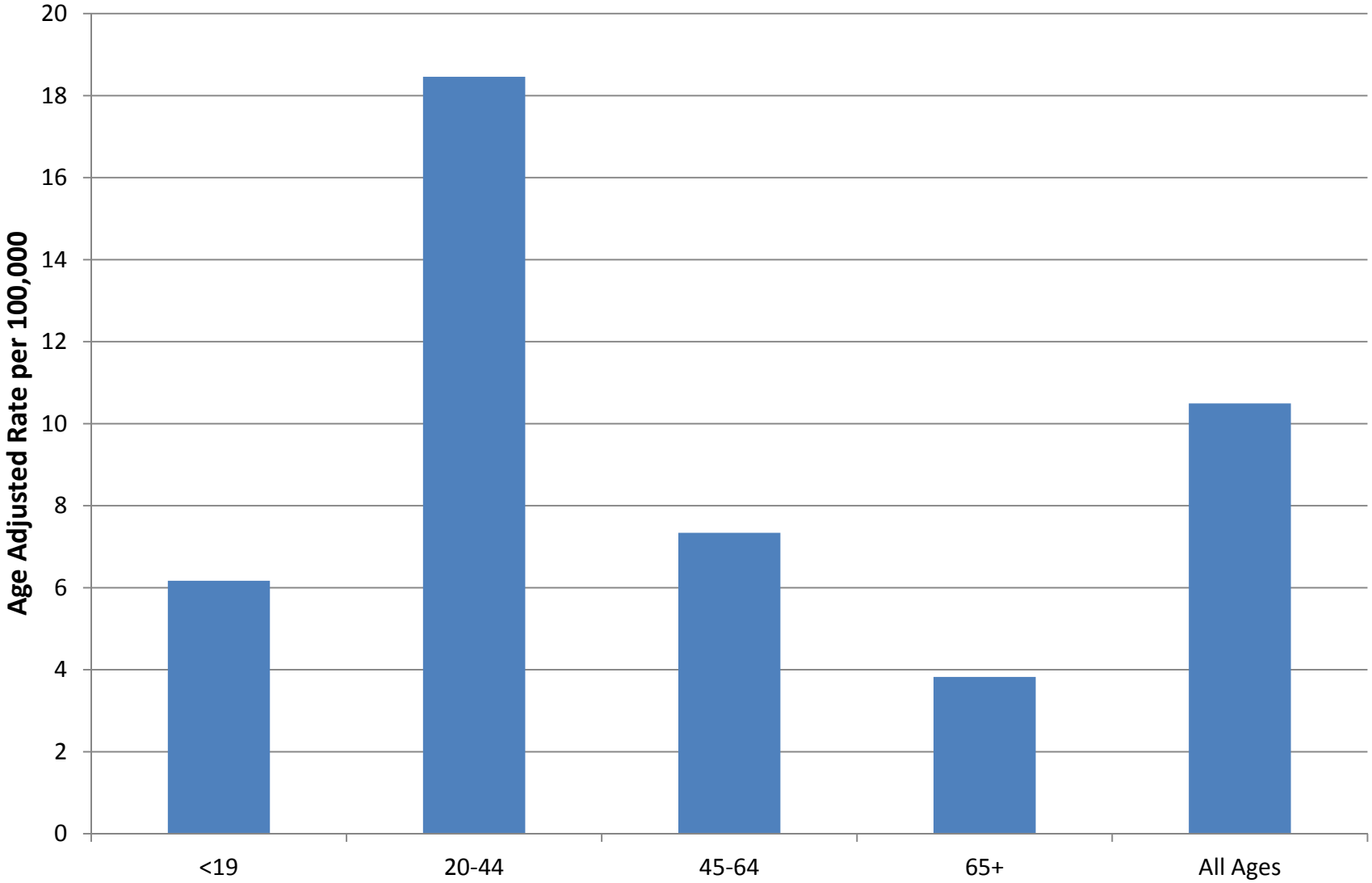
Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
*Counts masked

Hospitalizations from Assault
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+	
	N	Rate	N	Rate	N	Rate	N	Rate
Central	57	10.08	359	50.20	98	19.18	*	*

Source: Arkansas Hospital Discharge Data System, Health Statistics Branch
**Counts masked

Deaths from Assault
Central,
By Age Group, 2007-2009



Source: Source: Centers for Disease Control, Wonder Database

Deaths from Assault
Central,
By Age Group, 2007-2009

Region	<19		20-44		45-64		65+		All Ages	
	N	Rate	N	Rate	N	Rate	N	Rate	N	Rate
Central	93	6.17	352	18.46	100	7.34	25	3.82	570	10.49

Source: Source: Centers for Disease Control, Wonder Database