

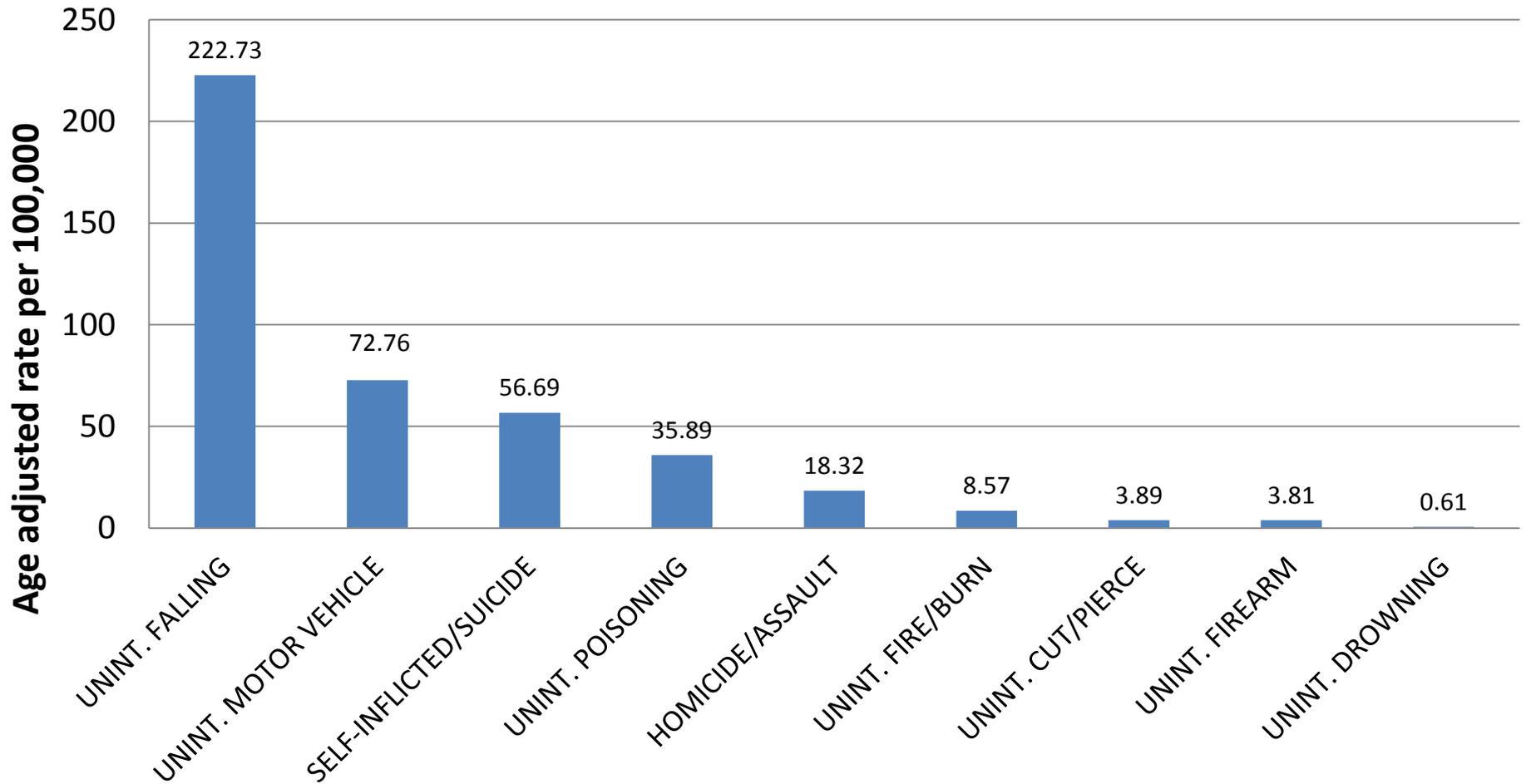
**Injury and Violence Prevention Section  
Statewide Injury Prevention Partners  
Annual Planning Meeting – 2014  
Thursday July 10<sup>th</sup>, 2014**

# **Injury Hospitalizations in Arkansas 2010 - 2012**

**[Majida.kdeiss@arkansas.gov](mailto:Majida.kdeiss@arkansas.gov)**

**501-671-1448**

# Injury Hospitalizations\* in Arkansas, 2012



Hospitalizations: All the cases that were admitted and discharged from a hospital, which do NOT include ER cases

Source: ADH\Arkansas Hospital Discharge Data System, Health Statistics Branch

# Top 5 Mechanisms of Hospitalizations due to Injury by Trauma Region, 2012

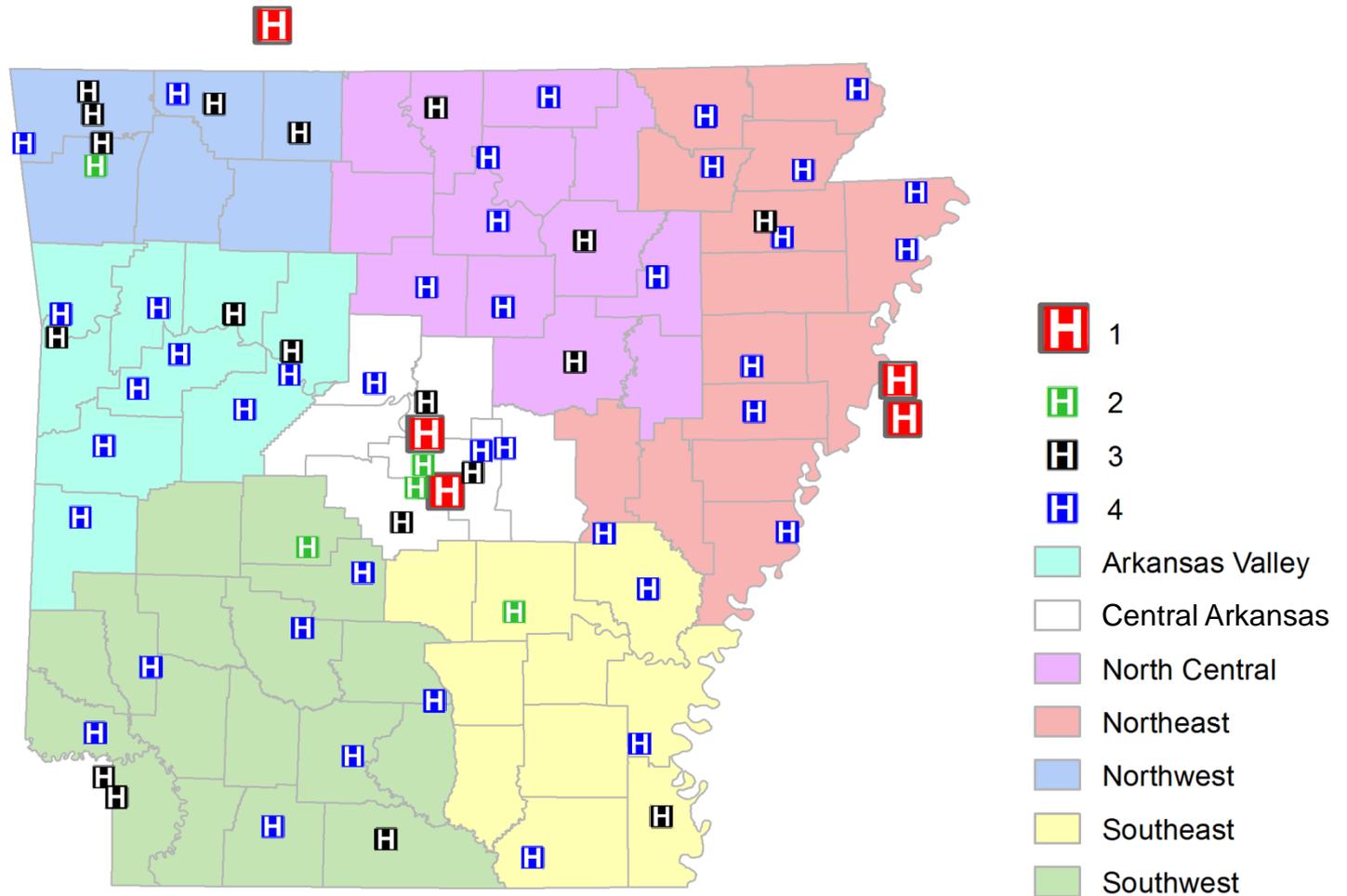
Northwest	AR Valley	Southwest	Southeast	Central AR	Northeast	North Central
1. Fall						
2. Suicide	2. MVC	2. MVC	2. MVC	2. MVC	2. Suicide	2. MVC
3. MVC	3. Suicide	3. Suicide	3. Assault	3. Suicide	3. Poisoning	3. Suicide
4. Poisoning	4. Poisoning	4. Poisoning	4. Suicide	4. Poisoning	4. MVC	4. Poisoning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

# Caveats Regarding Hospital Discharge Data

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- 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

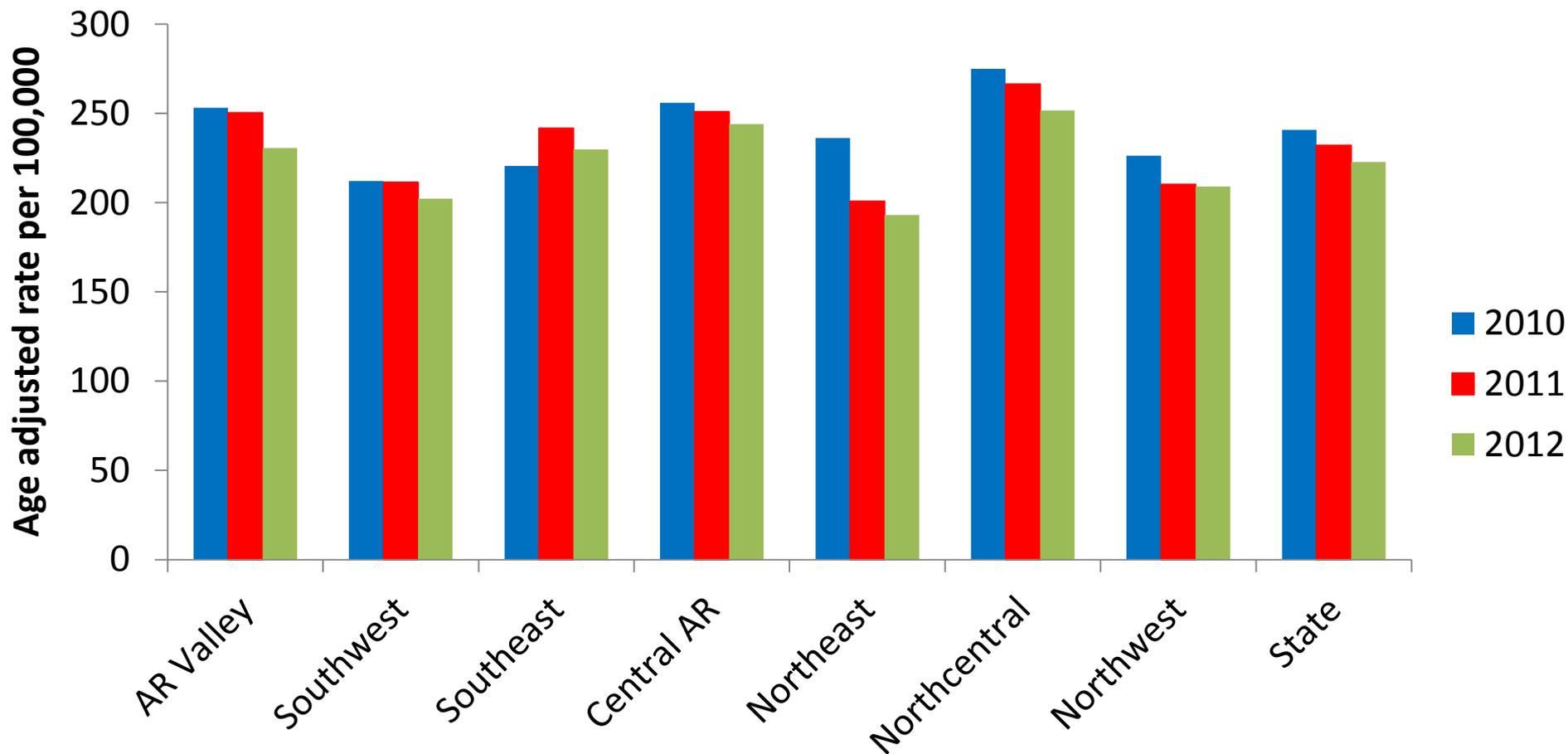
# Arkansas Trauma System Regions



Date: June 25, 2014  
 Source: Arkansas Department of Health  
 Map created by: Amanda Worrell, GISP, MGIS

5 level I (3 out of state), 5 level II, 19 level III (1 out of state), 40 level IV, for a grand total of 69 participating hospitals

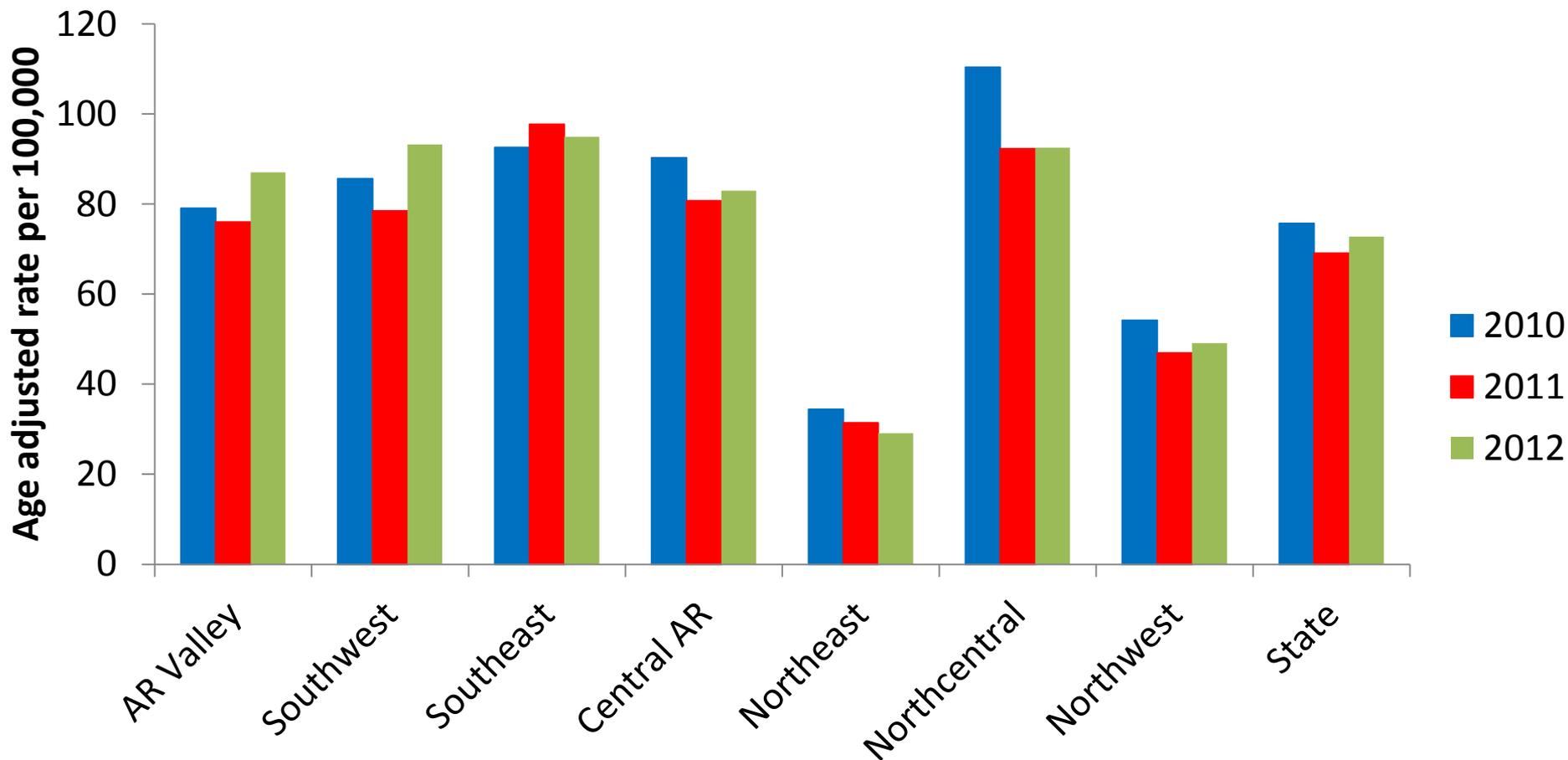
# Hospitalizations from Unintentional Falls Among Arkansans By Trauma System Region, 2010-2012



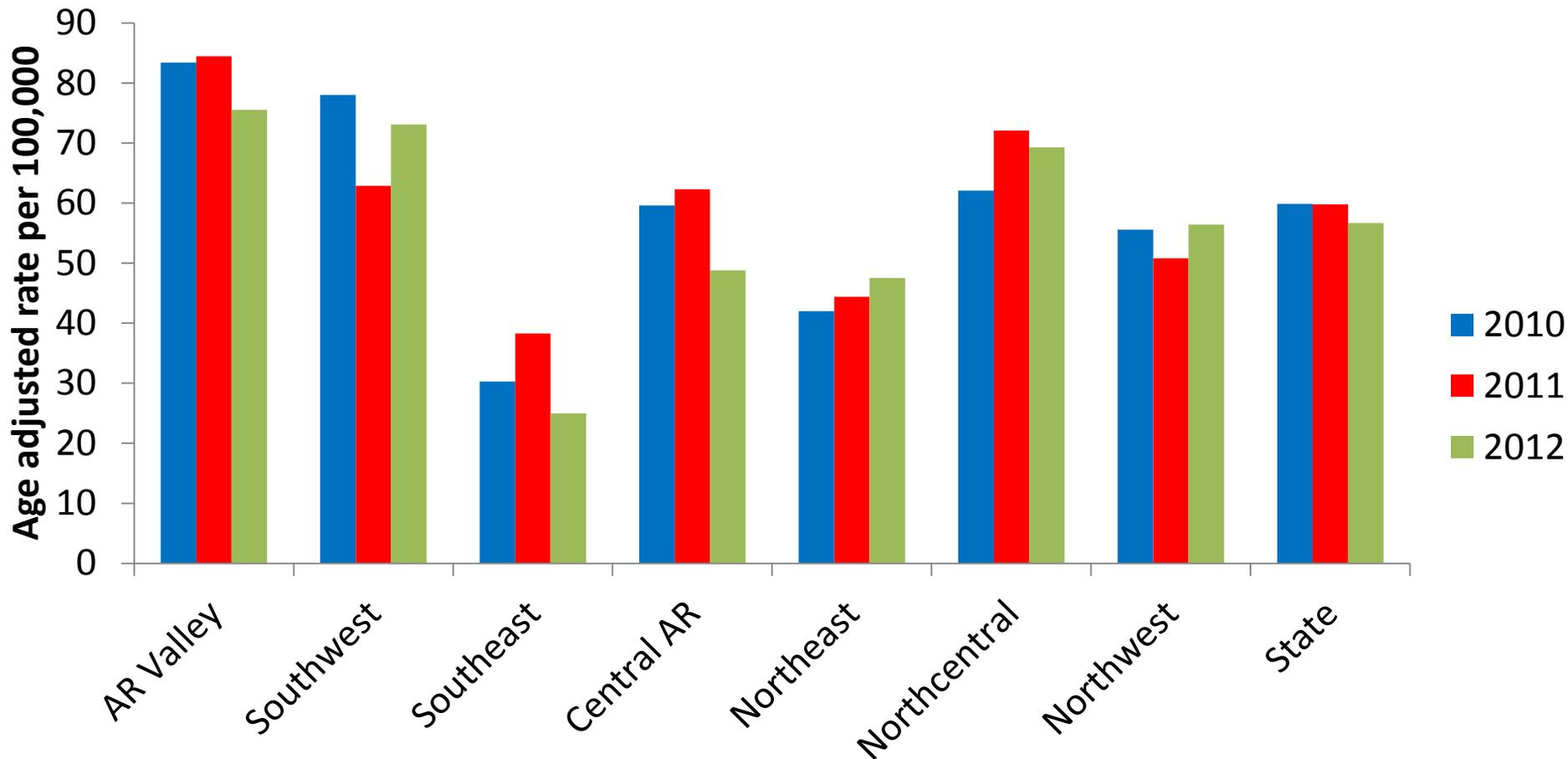
Age Adjustment: is the application of observed age-specific rates to a standard age distribution to eliminate differences in crude rates in populations of interest that result from differences in the populations' age distributions.

Age adjustment is particularly relevant when populations being compared have different age structures.

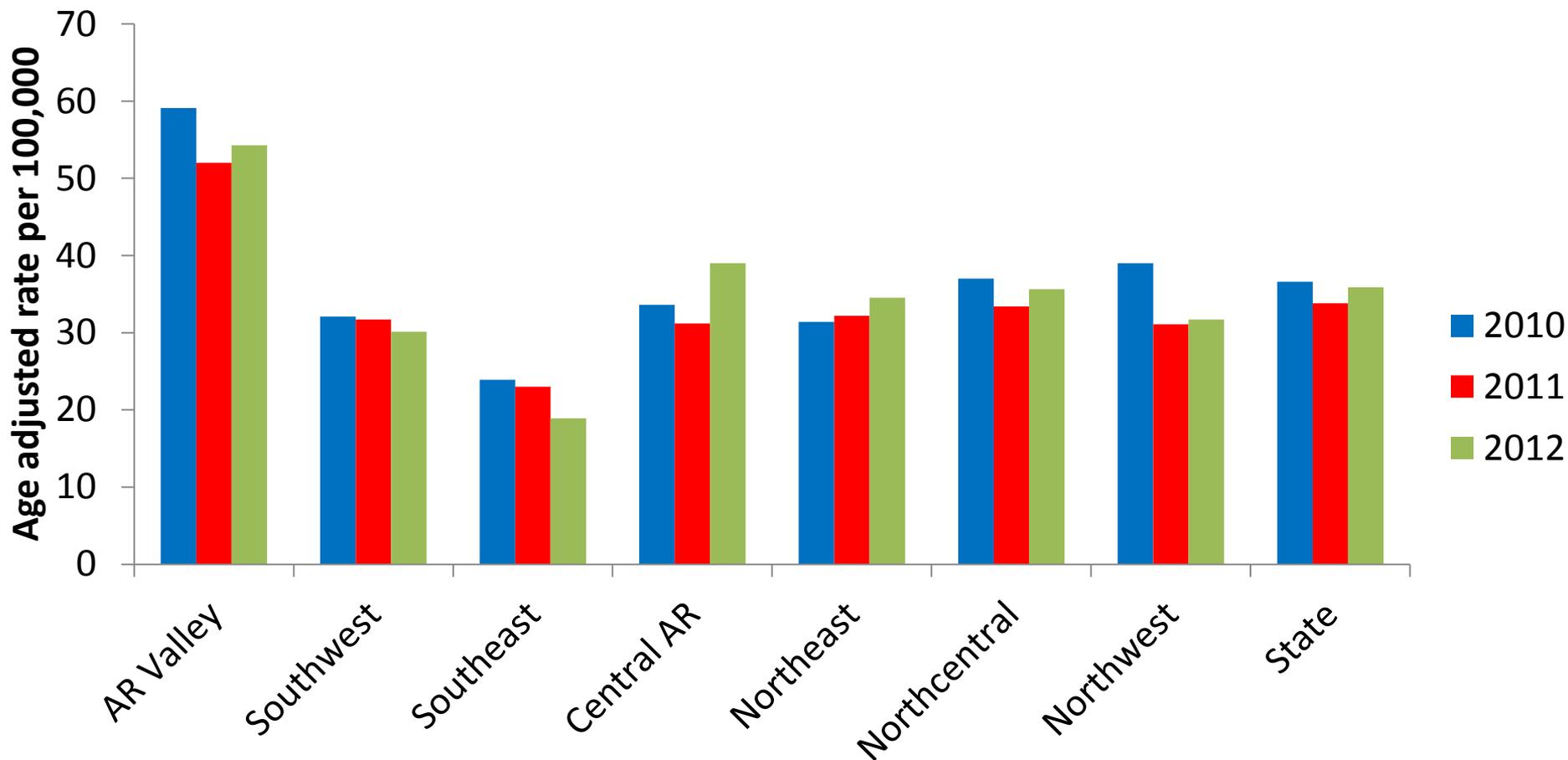
# Hospitalizations from Motor Vehicle Crashes Among Arkansans By Trauma System Region, 2010-2012



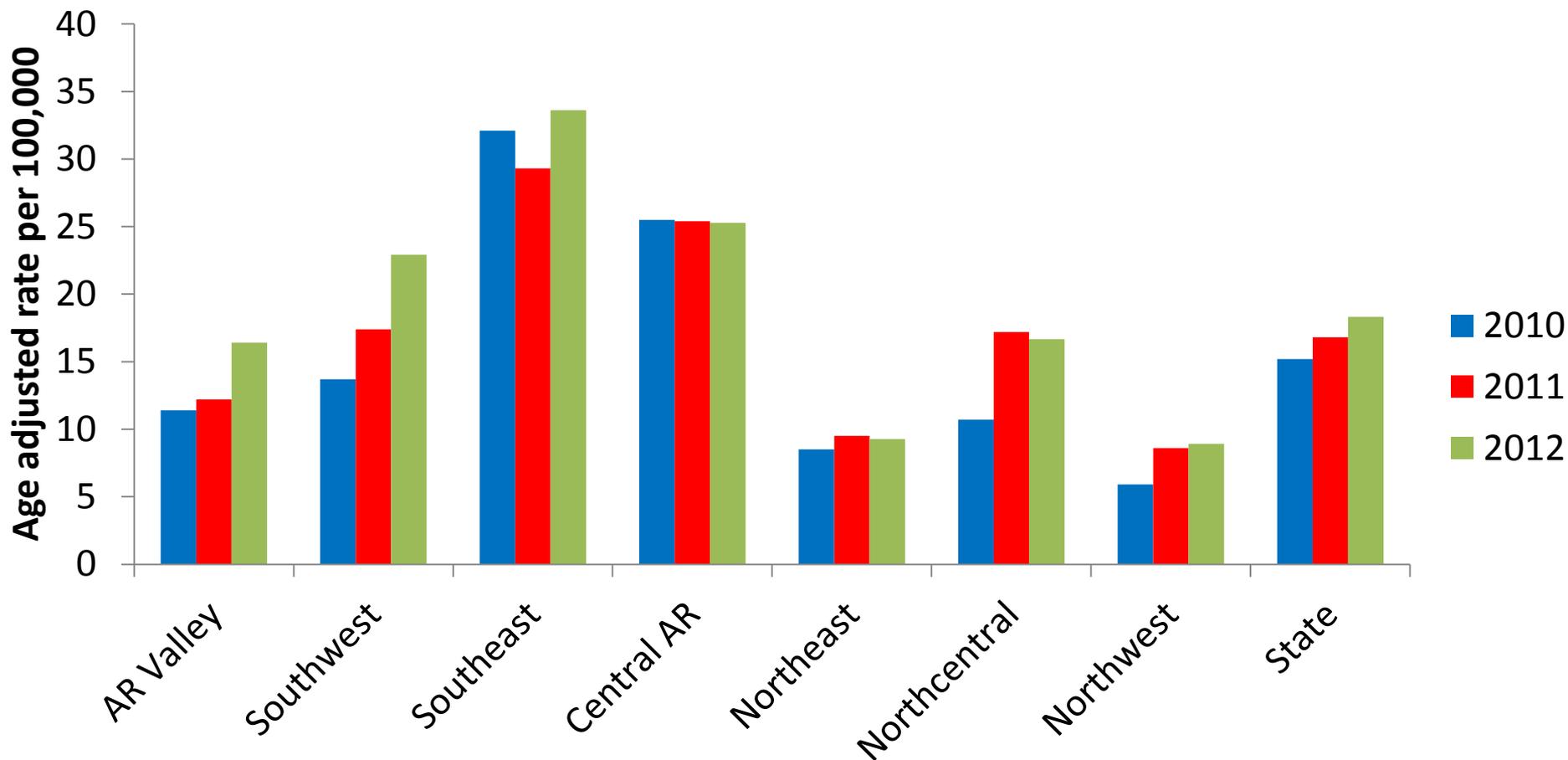
# Hospitalizations from Attempted Suicide/Self Harm Among Arkansans By Trauma System Region, 2010-2012



# Hospitalizations from Unintentional Poisoning Among Arkansans By Trauma System Region, 2010-2012



# Hospitalizations from Assault Among Arkansans By Trauma System Region, 2010-2012

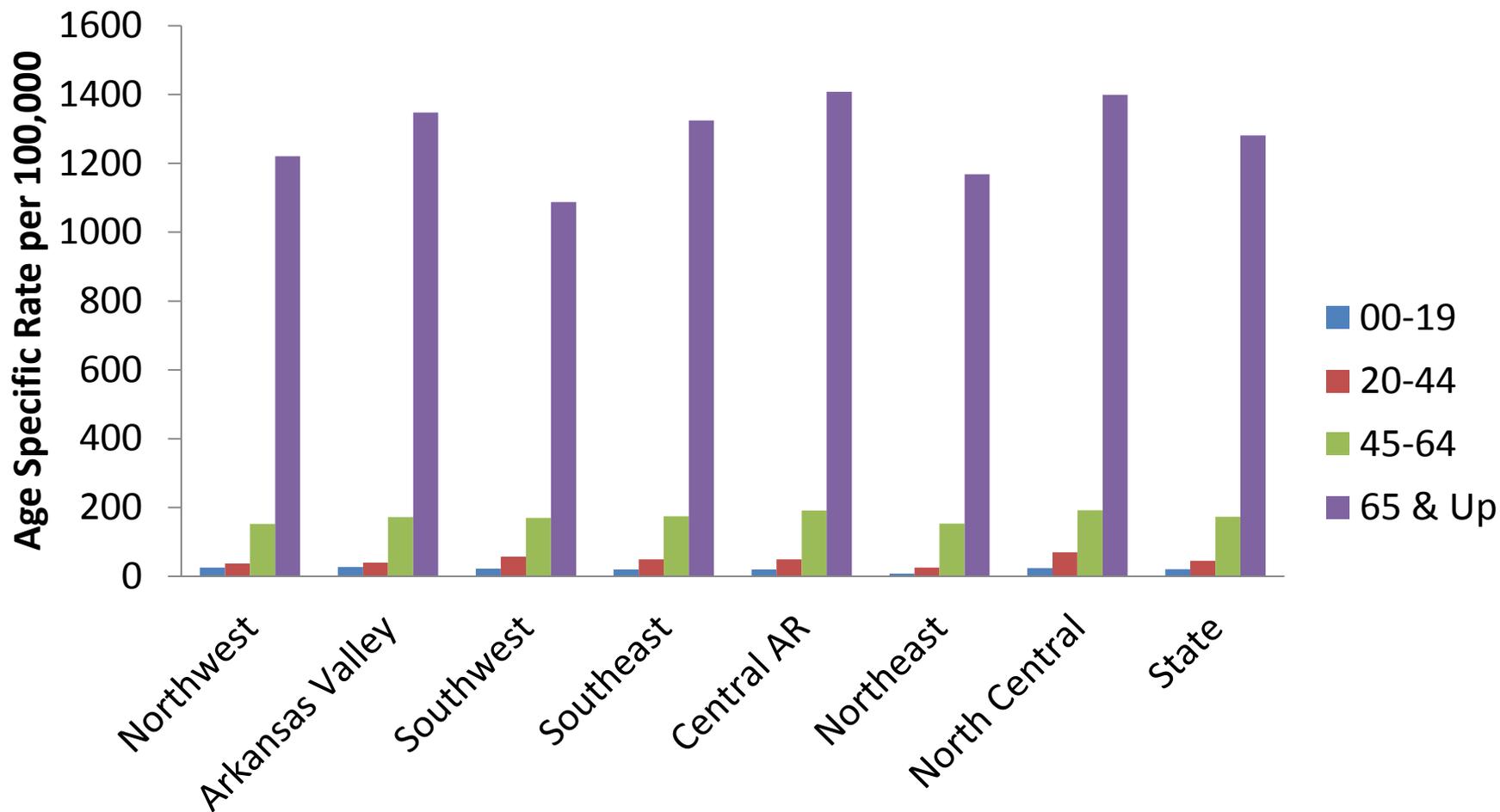


# **Hospitalizations From Top Five Mechanisms Among Arkansans by Age Groups by Trauma System Region 2012**

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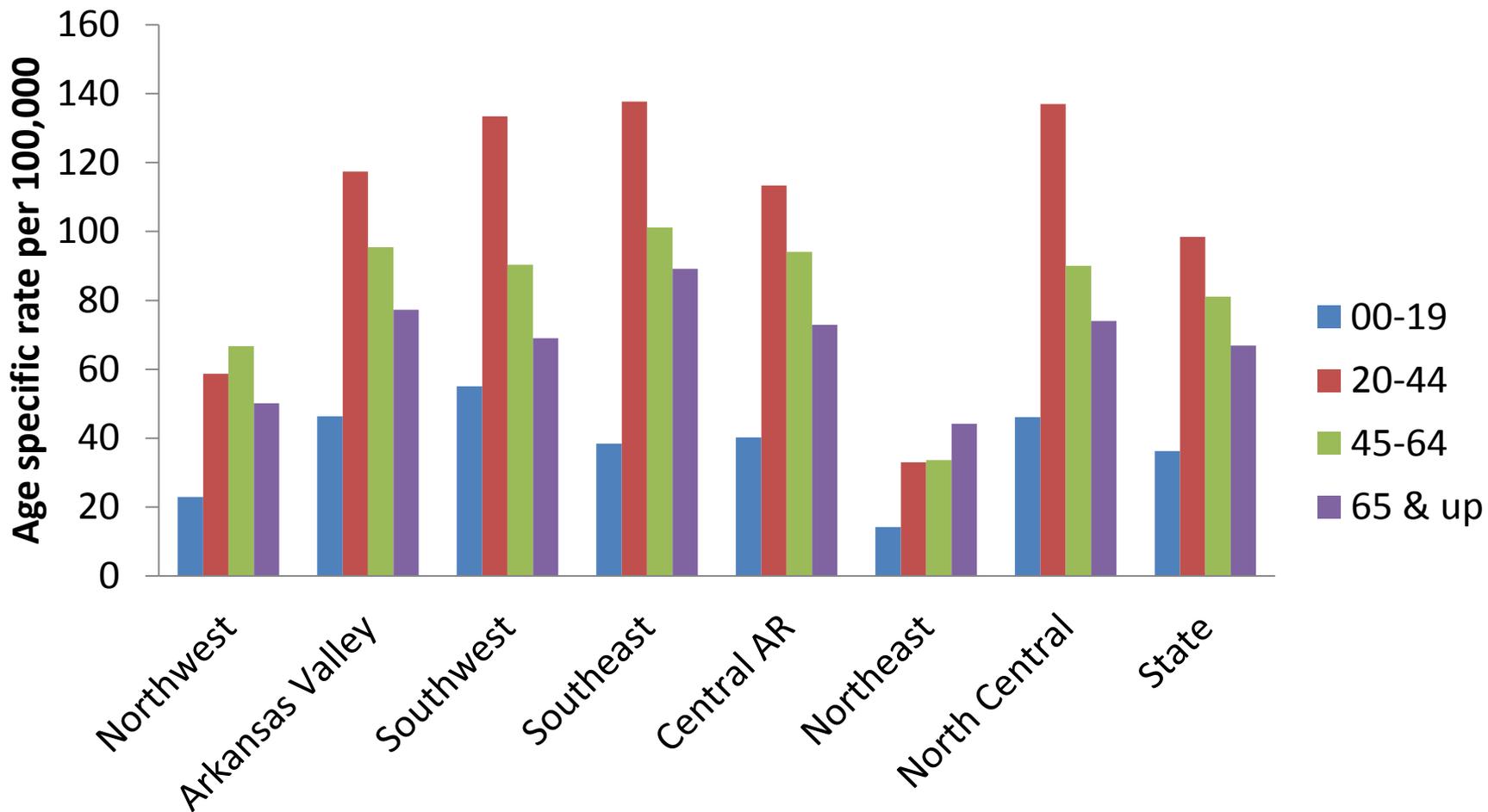
# Hospitalizations from Unintentional Falls Among Arkansans by Age Groups by Trauma System Region 2012



# Hospitalizations from Unintentional Falls Among Arkansans by Age Groups by Trauma System Region 2012

	00-19	20-44	45-64	65 & up
Northwest	39	70	189	828
Arkansas Valley	27	46	168	750
Southwest	23	68	186	772
Southeast	11	32	100	431
Central AR	38	123	352	1314
Northeast	9	33	159	688
North Central	17	59	162	888
State	164	431	1316	5671

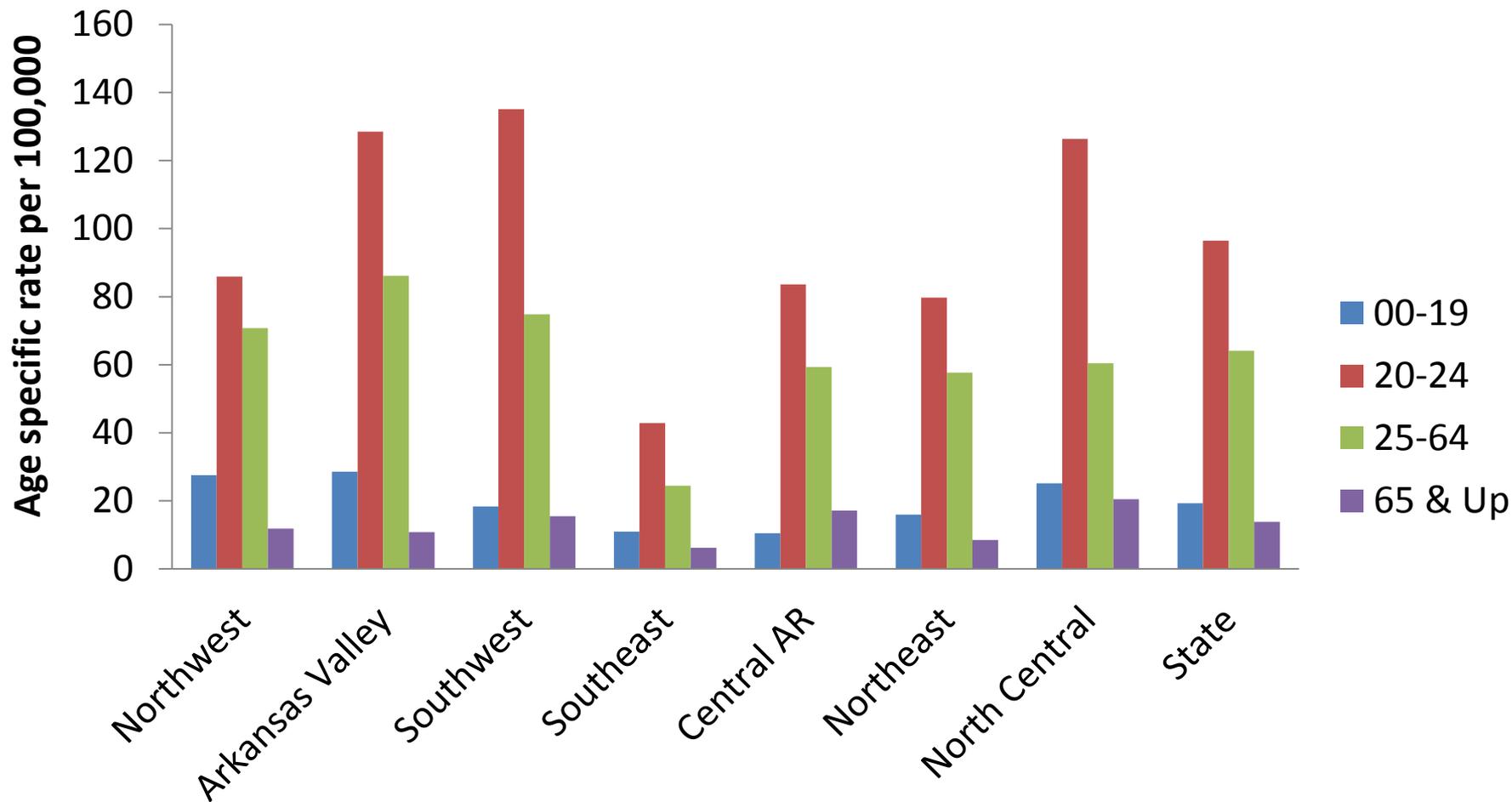
# Hospitalizations from Motor Vehicle Crashes Among Arkansans by Age Groups by Trauma System Region 2012



# Hospitalizations from Motor Vehicle Crashes Among Arkansans by Age Groups by Trauma System Region 2012

	00-19	20-44	45-64	65 & up
Northwest	35	110	83	34
Arkansas Valley	47	137	93	43
Southwest	57	160	99	49
Southeast	21	90	58	29
Central AR	77	286	173	68
Northeast	16	43	35	26
North Central	33	116	76	47
State	286	942	617	296

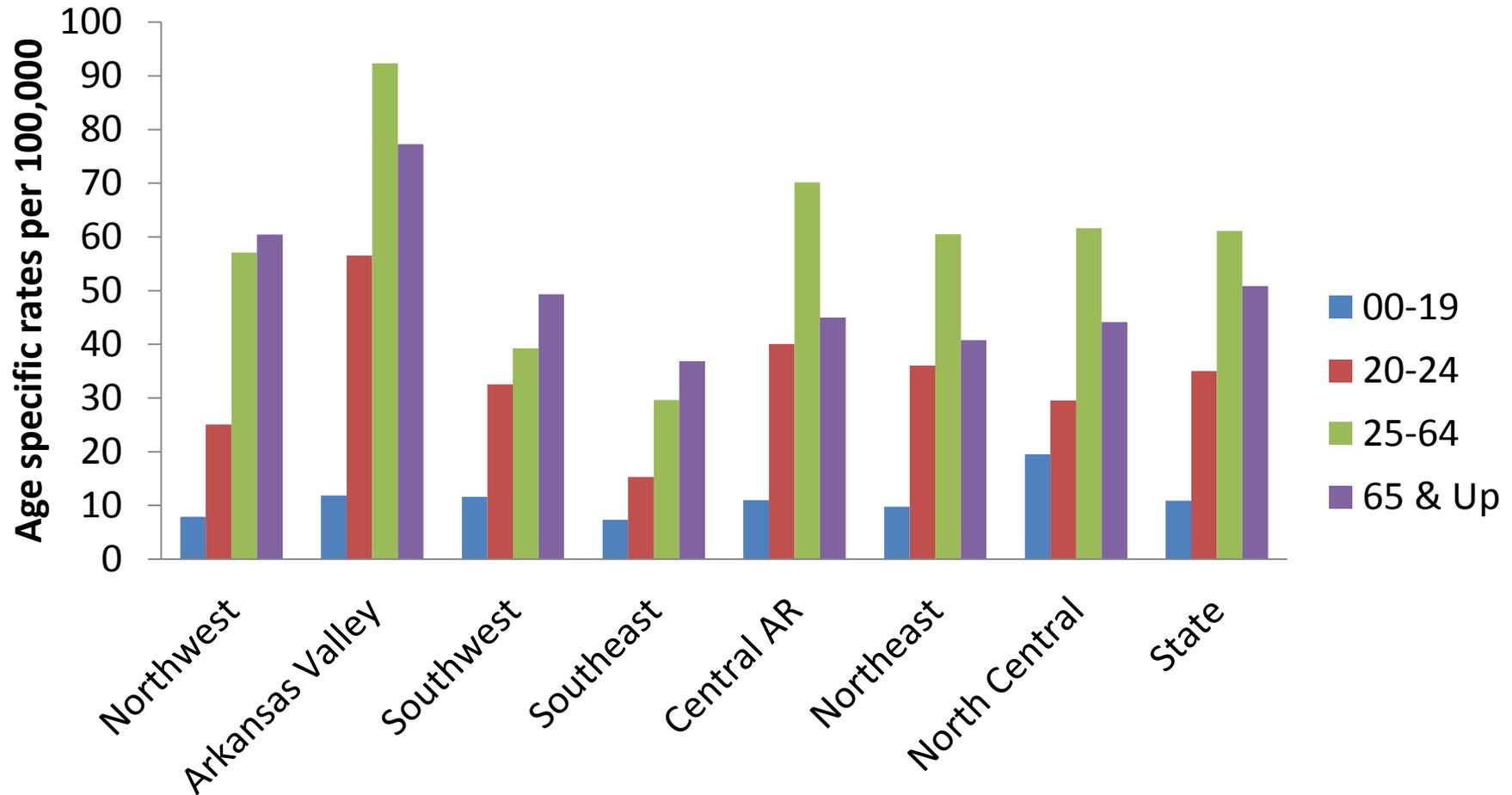
# Hospitalizations from Attempted Suicide/Self Harm Among Arkansans by Age Groups by Trauma System Region 2012



# Hospitalizations from Attempted Suicide/Self Harm Among Arkansans by Age Groups by Trauma System Region 2012

	00-19	20-44	45-64	65 & up
Northwest	42	161	88	8
Arkansas Valley	29	150	84	6
Southwest	19	162	82	11
Southeast	6	28	14	2
Central AR	20	211	109	16
Northeast	18	104	60	5
North Central	18	107	51	13
State	152	923	488	61

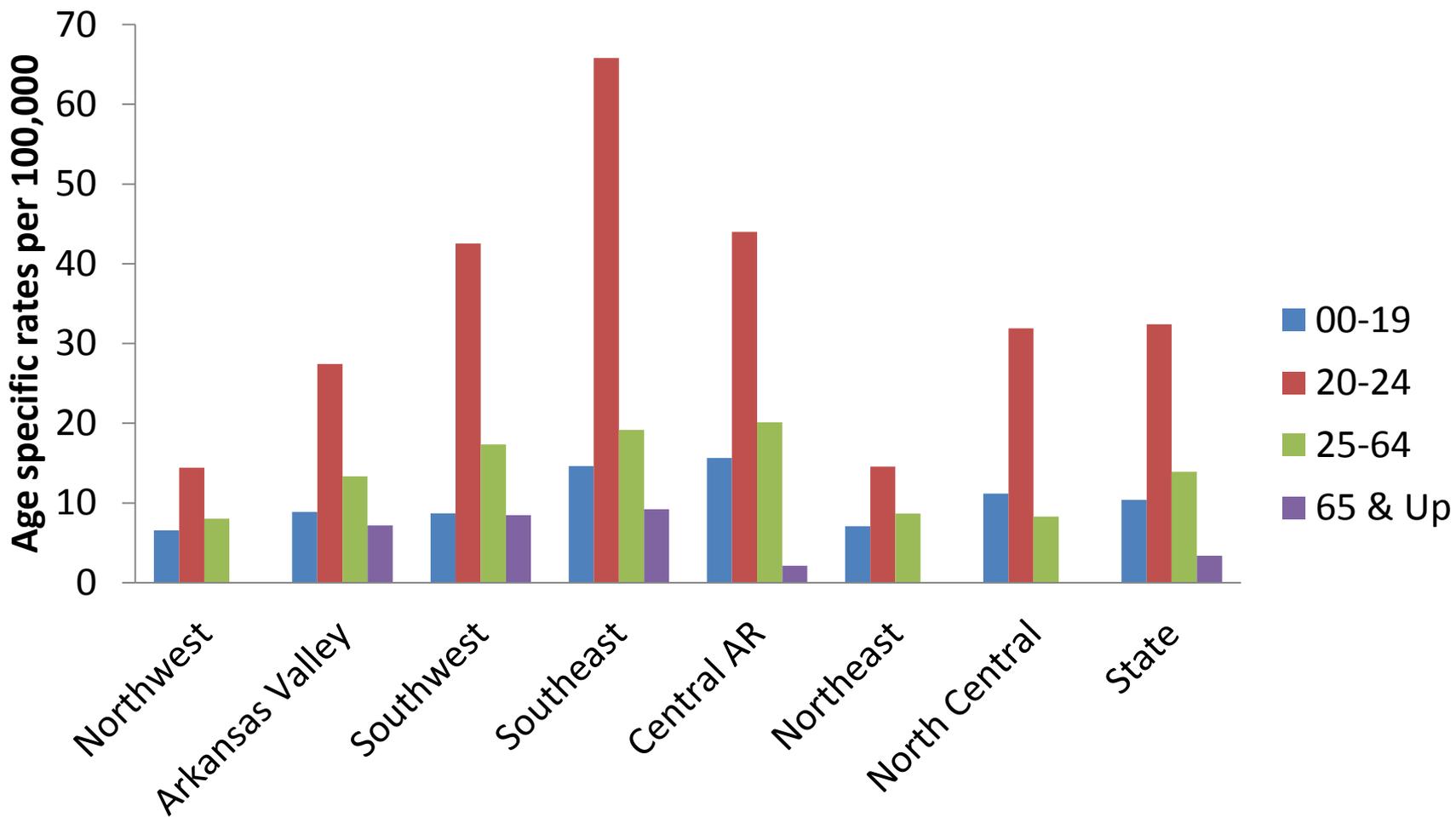
# Hospitalizations from Poisoning Among Arkansans by Age Groups by Trauma System Region 2012



# Hospitalizations from Poisoning Among Arkansans by Age Groups by Trauma System Region 2012

	00-19	20-44	45-64	65 & up
Northwest	12	47	71	41
Arkansas Valley	12	66	90	43
Southwest	12	39	43	35
Southeast	4	10	17	12
Central AR	21	101	129	42
Northeast	11	47	63	24
North Central	14	25	52	28
State	86	335	465	225

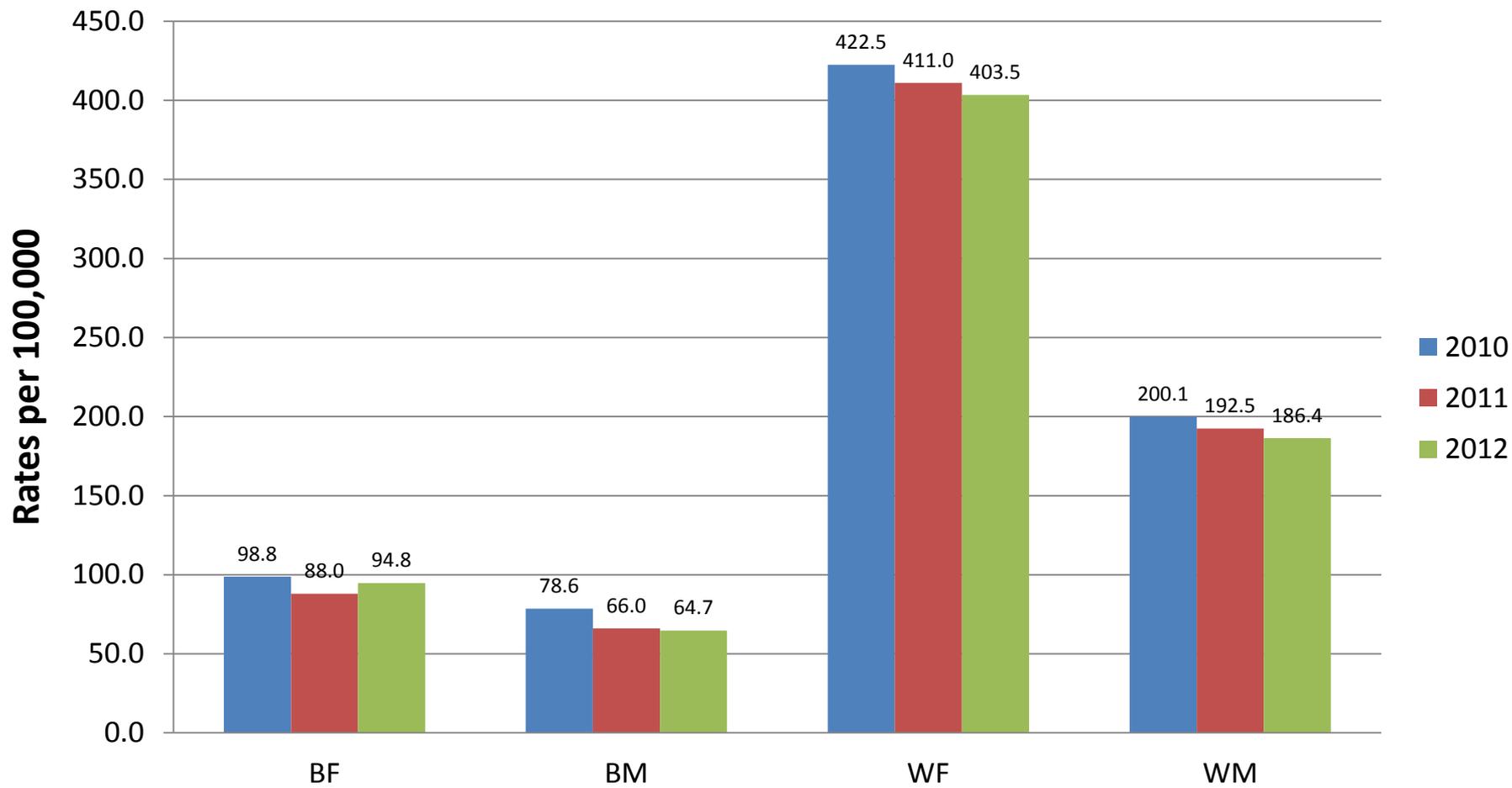
# Hospitalizations from Assault Among Arkansans by Age Groups by Trauma System Region 2012



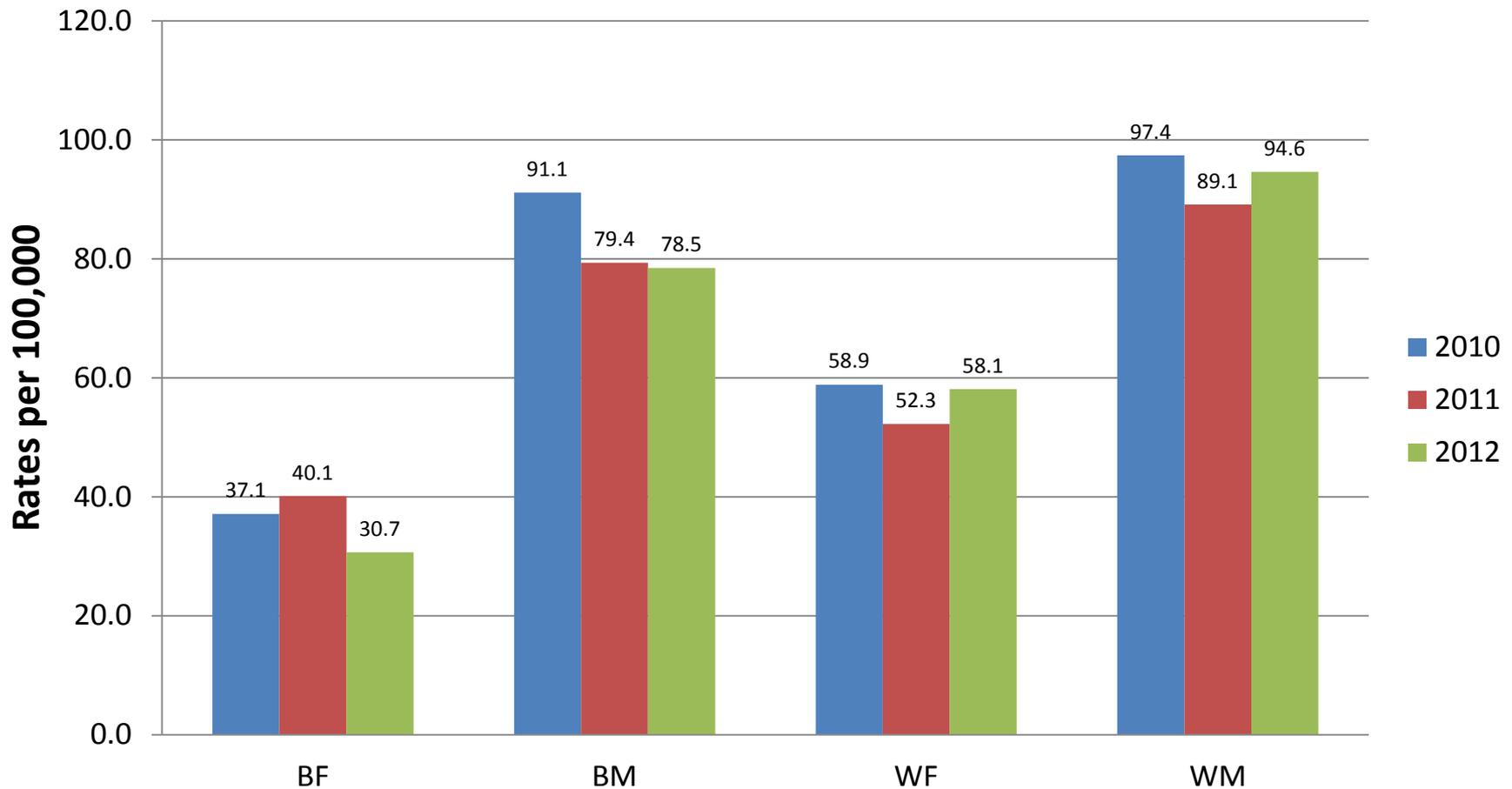
# Hospitalizations from Assault Among Arkansans by Age Groups by Trauma System Region 2012

	00-19	20-44	45-64	65 & up
Northwest	10	27	10	
Arkansas Valley	9	32	13	4
Southwest	9	51	19	6
Southeast	8	43	11	3
Central AR	30	111	37	2
Northeast	8	19	9	
North Central	8	27	7	
State	82	310	106	15

# Hospitalizations from Unintentional Falls Among Arkansans By Race & Gender, 2010-2012



# Hospitalizations from Motor Vehicle Crashes Among Arkansans By Race & Gender, 2010-2012



# Hospitalizations from Self-Inflicted/Suicide Among Arkansans By Race & Gender, 2010-2012

