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interiors

facility  
management



# WEBSTER COUNTY JUSTICE CENTER

Phase 2 – Citizen Jail Committee  
Mtg. #2: Phase 1 Review & Refine Program  
2/22/2018



PHASE 1 NEEDS ASSESSMENT

## ■ PURPOSE OF PHASE 1 NEEDS ASSESSMENT

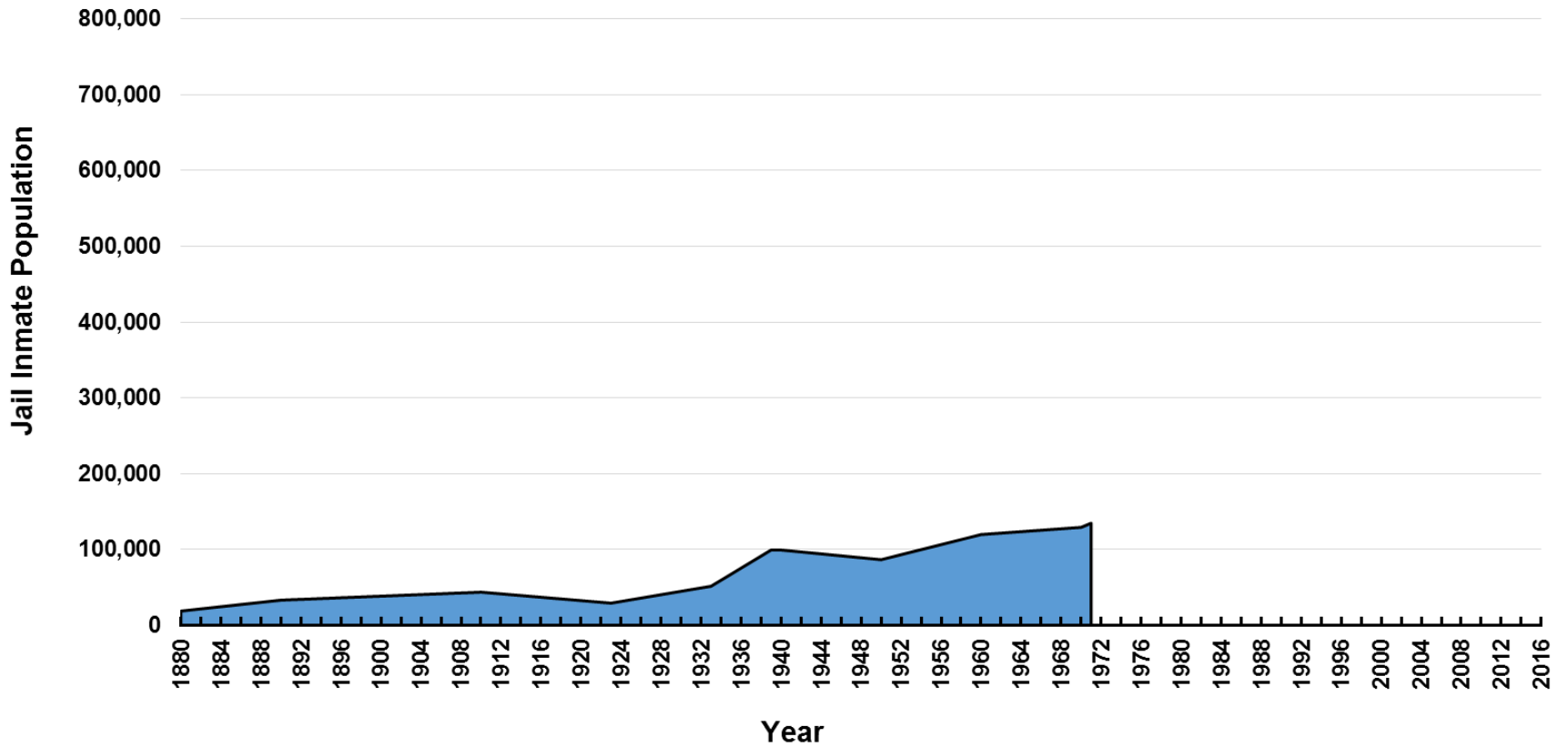
- To evaluate the functional and operational deficiencies of existing Law Enforcement facility
- To forecast the estimated number of beds needed to serve Webster County's projected jail populations for 20-30 years
  - To provide an inmate forecast based upon a 'County Only' approach
  - To provide an inmate forecast based upon a 'More Regional' approach
- To provide an initial range of budget estimates for a New Justice Center (Sheriff's Office, County Jail, and Courtroom facility) based upon the 20-30 year inmate forecast and needs of the county judicial system





# COUNTY POPULATION PROFILE

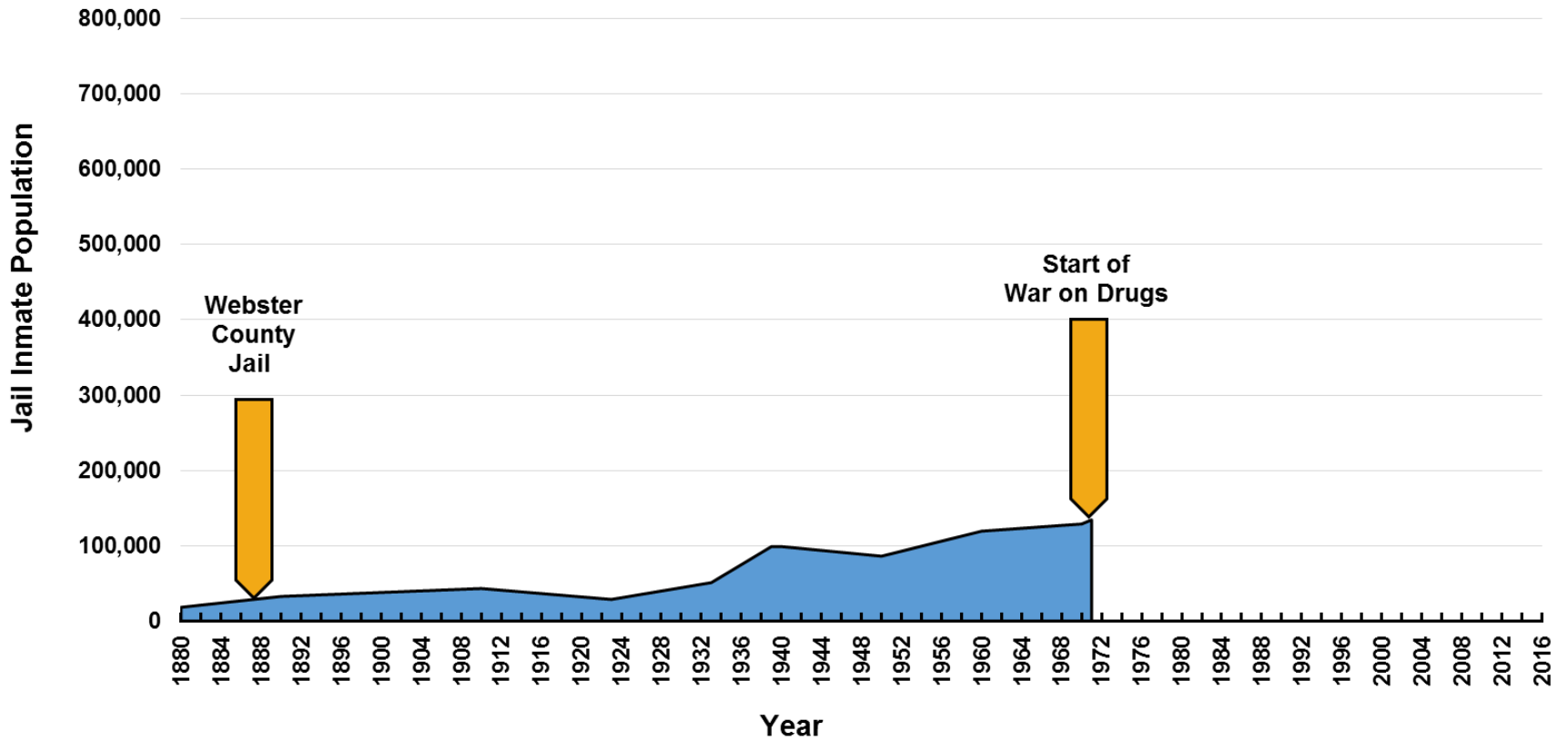
### Historic Local Jail Population (United States 1880 - 1971)



Source: Bureau of Justice Statistics



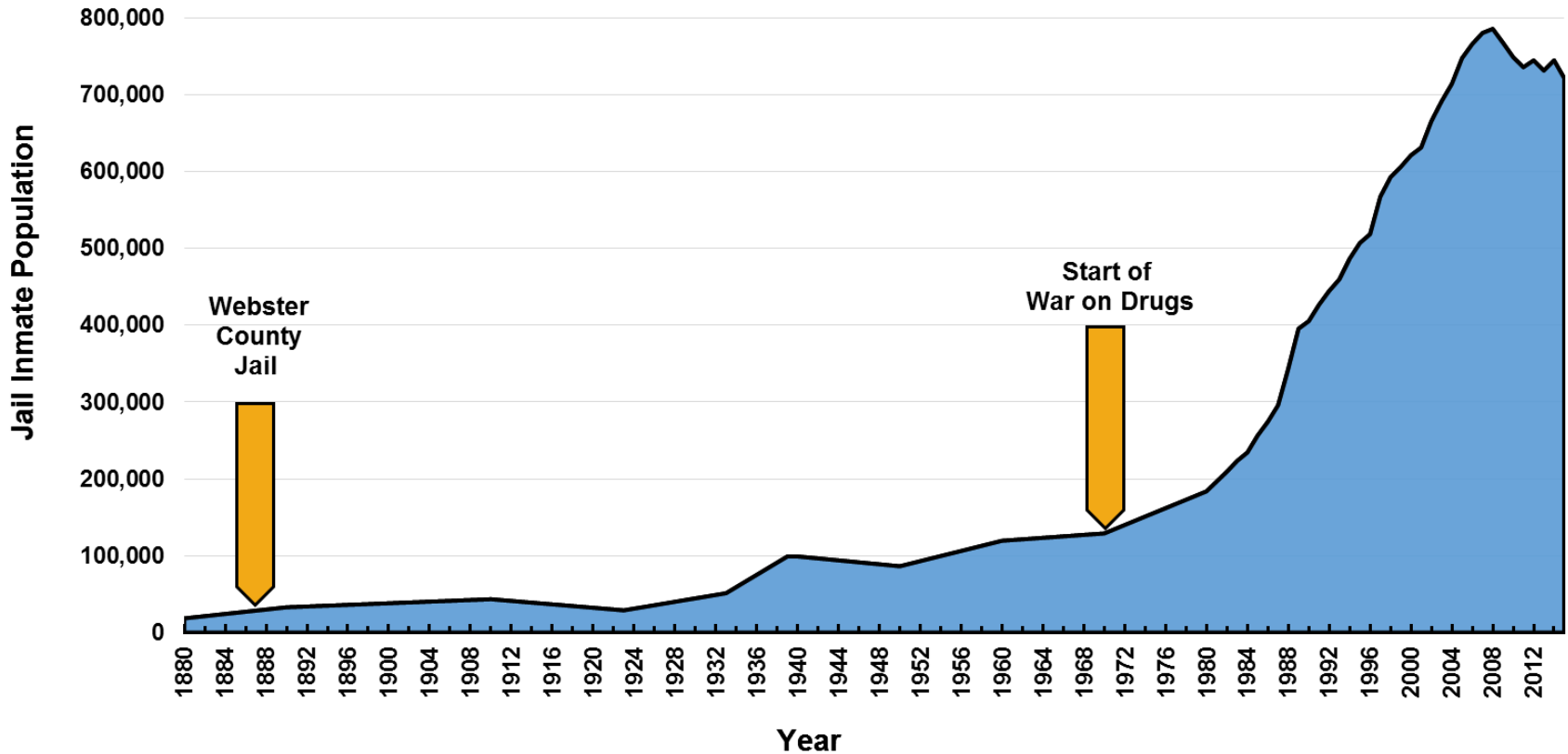
### Historic Local Jail Population (United States 1880 - 1971)



Source: Bureau of Justice Statistics



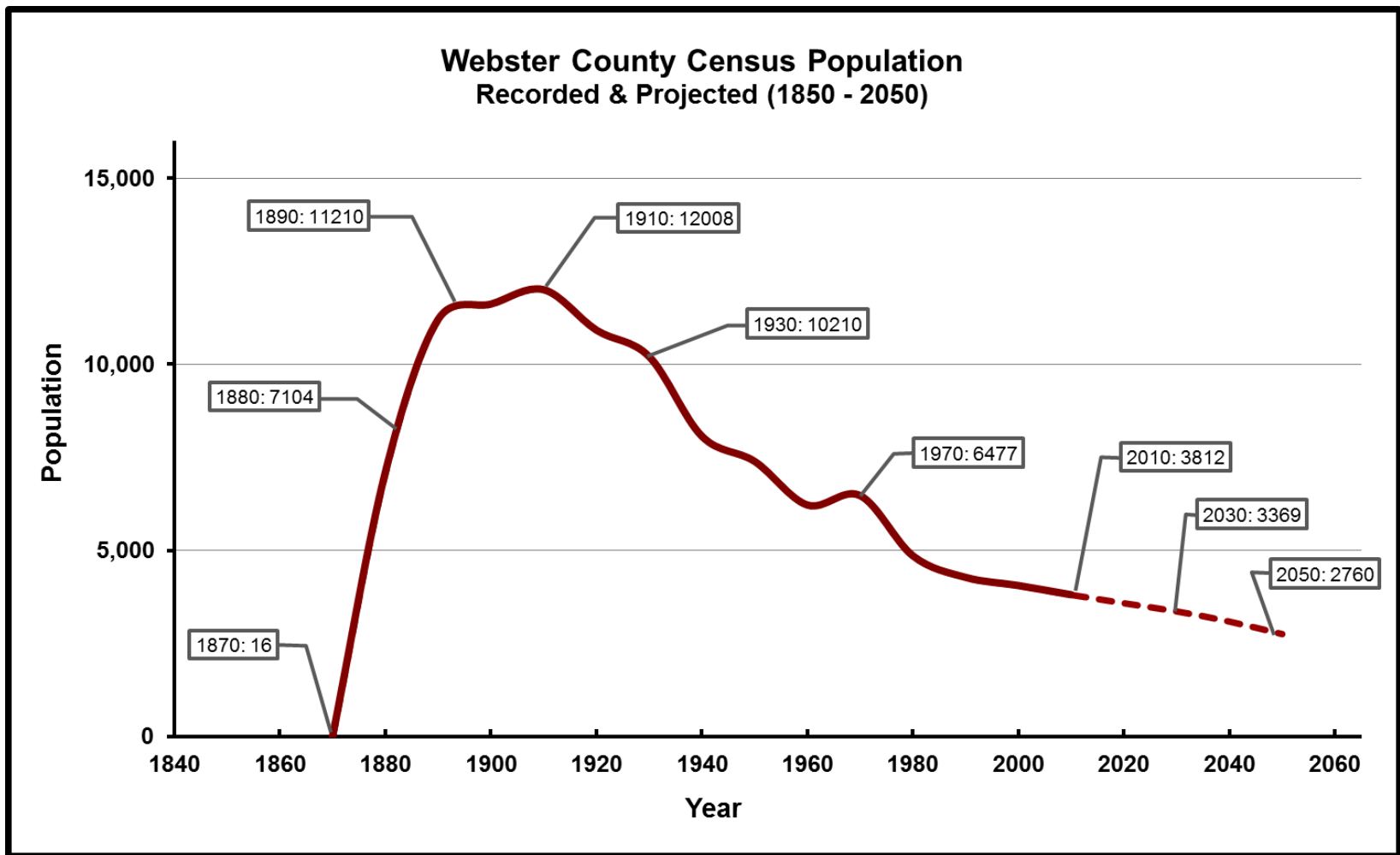
### Historic Local Jail Population (United States 1880 - 2015)



Source: Bureau of Justice Statistics

- In 1887, it would have been impossible to anticipate a “war on drugs” and its impact on future jail populations.





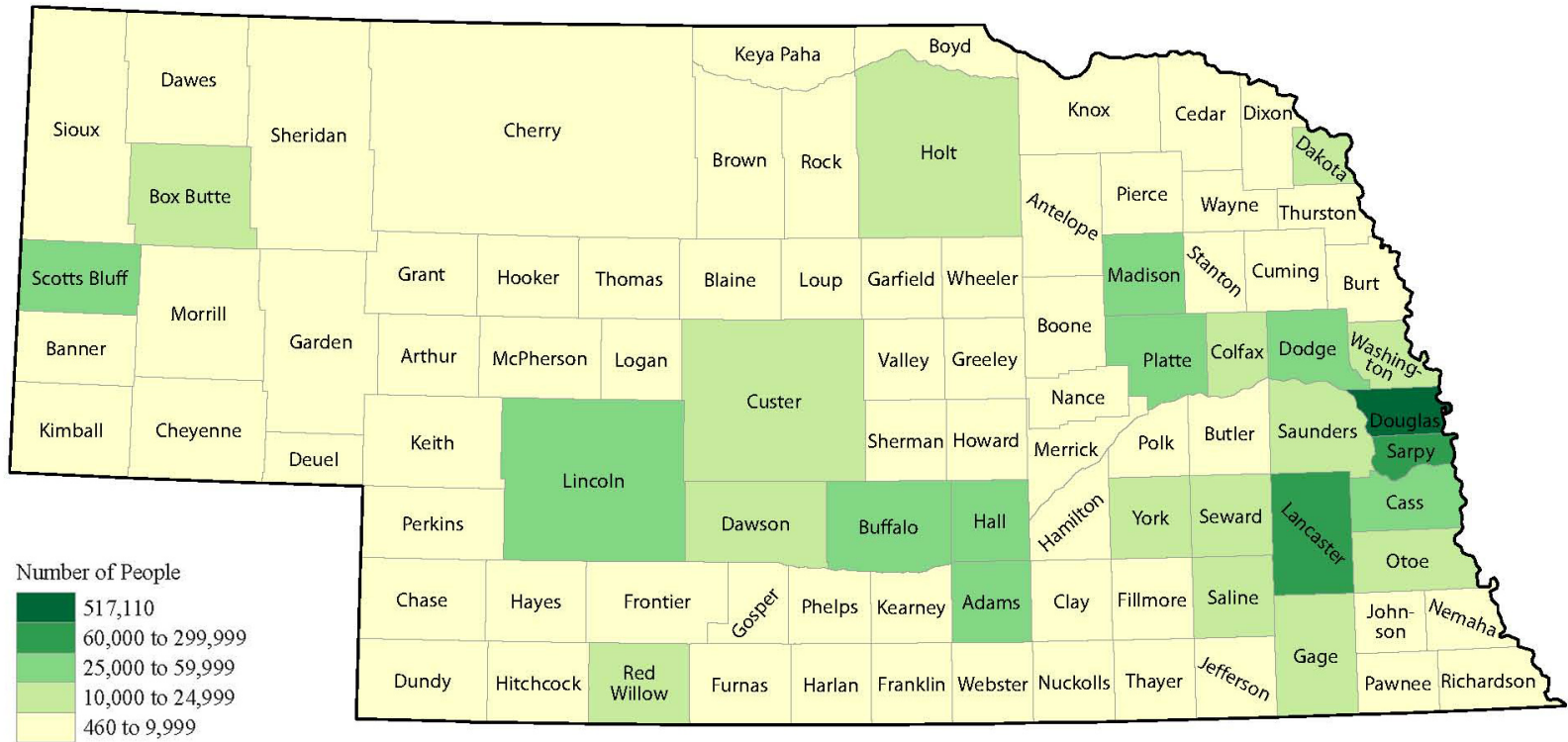
Source: U.S. Census Bureau, University of Nebraska - Omaha

- Webster County's current population is 3,812 (2010 Census)
- County population is projected to decline to 2,760 by 2050
- Projected **0.69%** Average Annual Decrease





## NEBRASKA - 2010 Census Results Total Population by County



Number of People



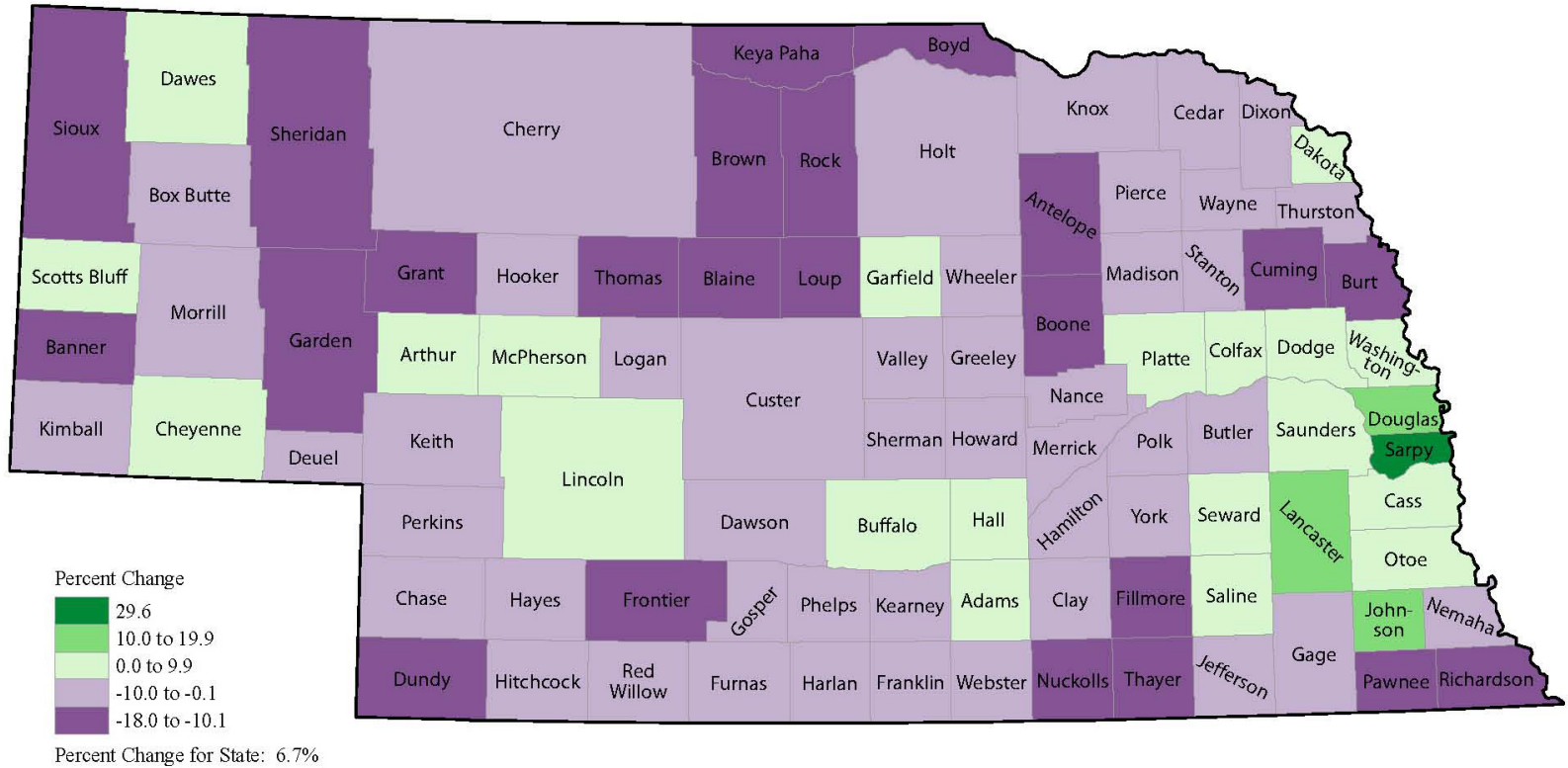
Total State Population: 1,826,341

Source: U.S. Census Bureau



## NEBRASKA - 2010 Census Results

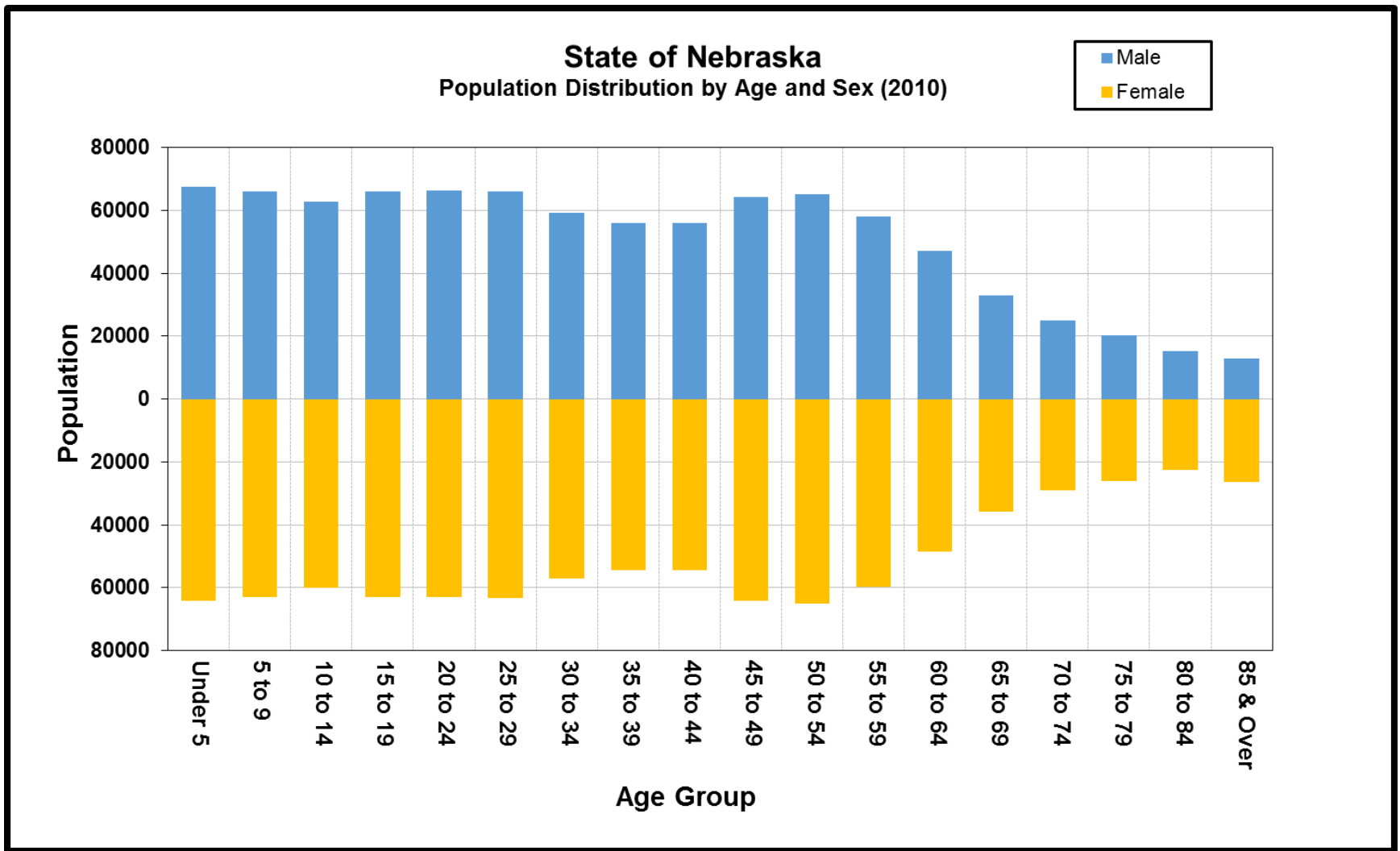
### Percent Change in Population by County: 2000 to 2010



Source: U.S. Census Bureau

- 2000-2010 Urban Centers absorb Rural Population

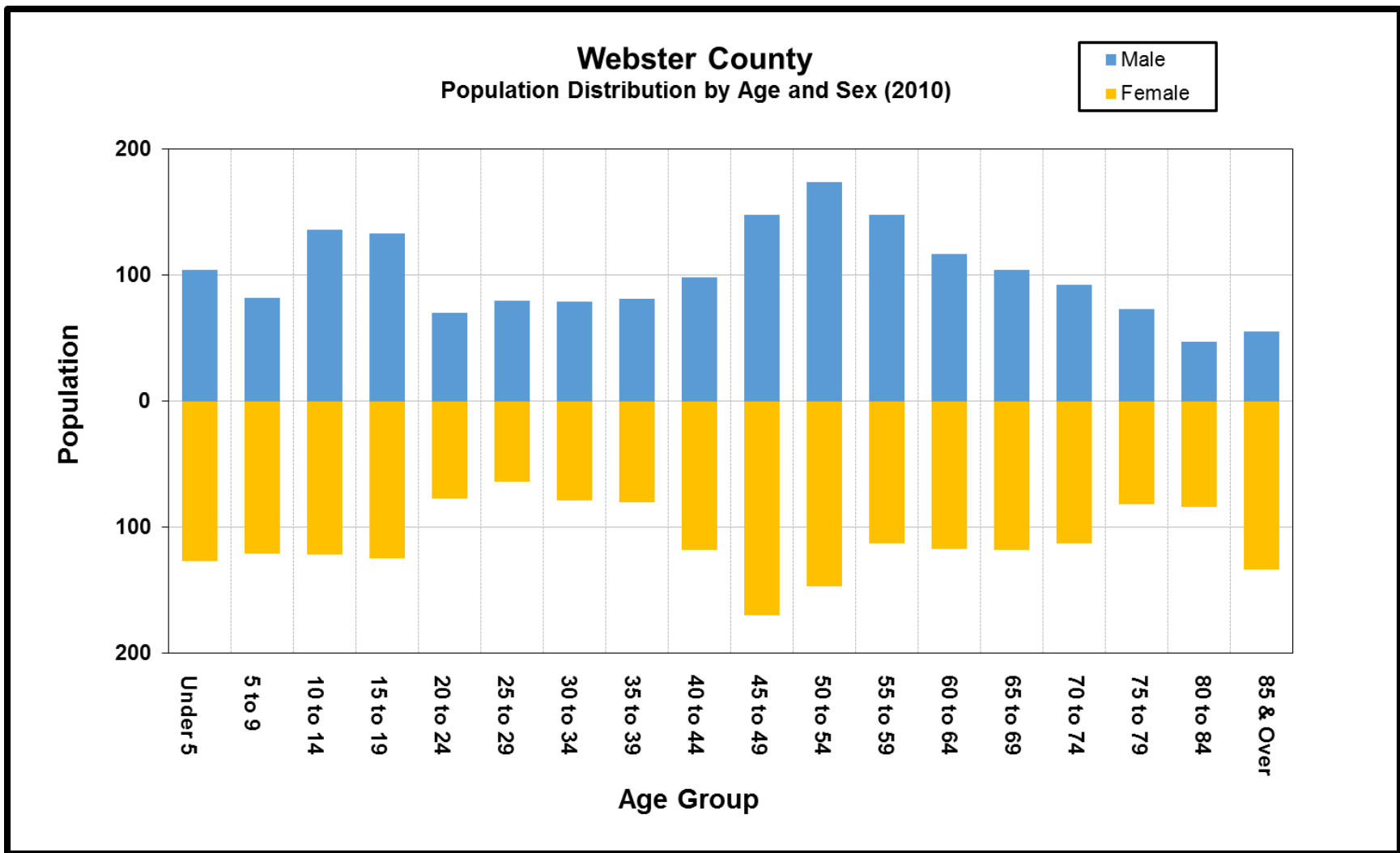




Source: U.S. Census Bureau

- 21.2% of State population is 15-29 years old
- 21.0% of State population is 0-14 years old





Source: U.S. Census Bureau

- 14.1% of Webster County population is 15-29 years old
- 17.8% of Webster County population is 0-14 years old

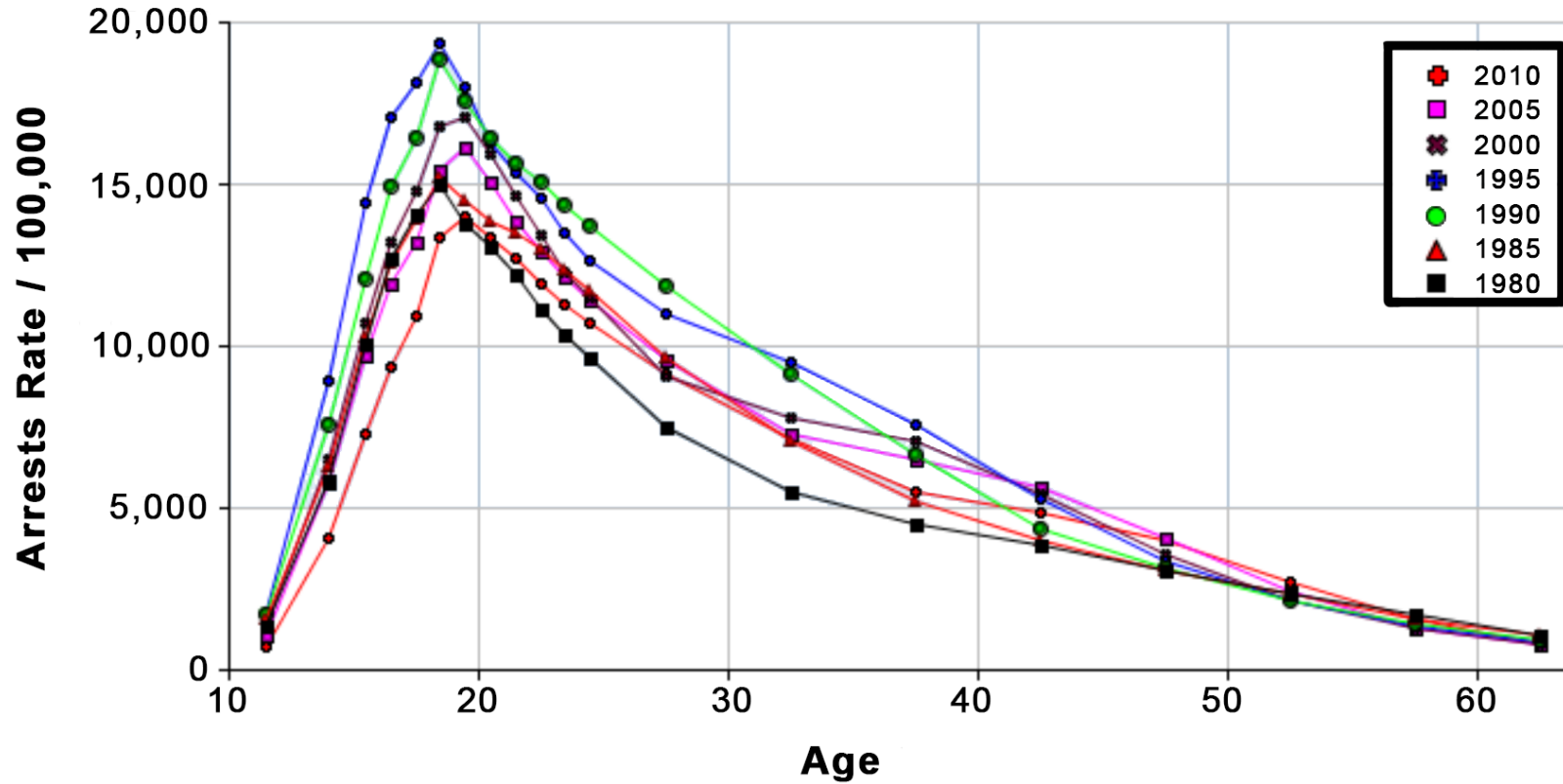




INMATE PROFILE

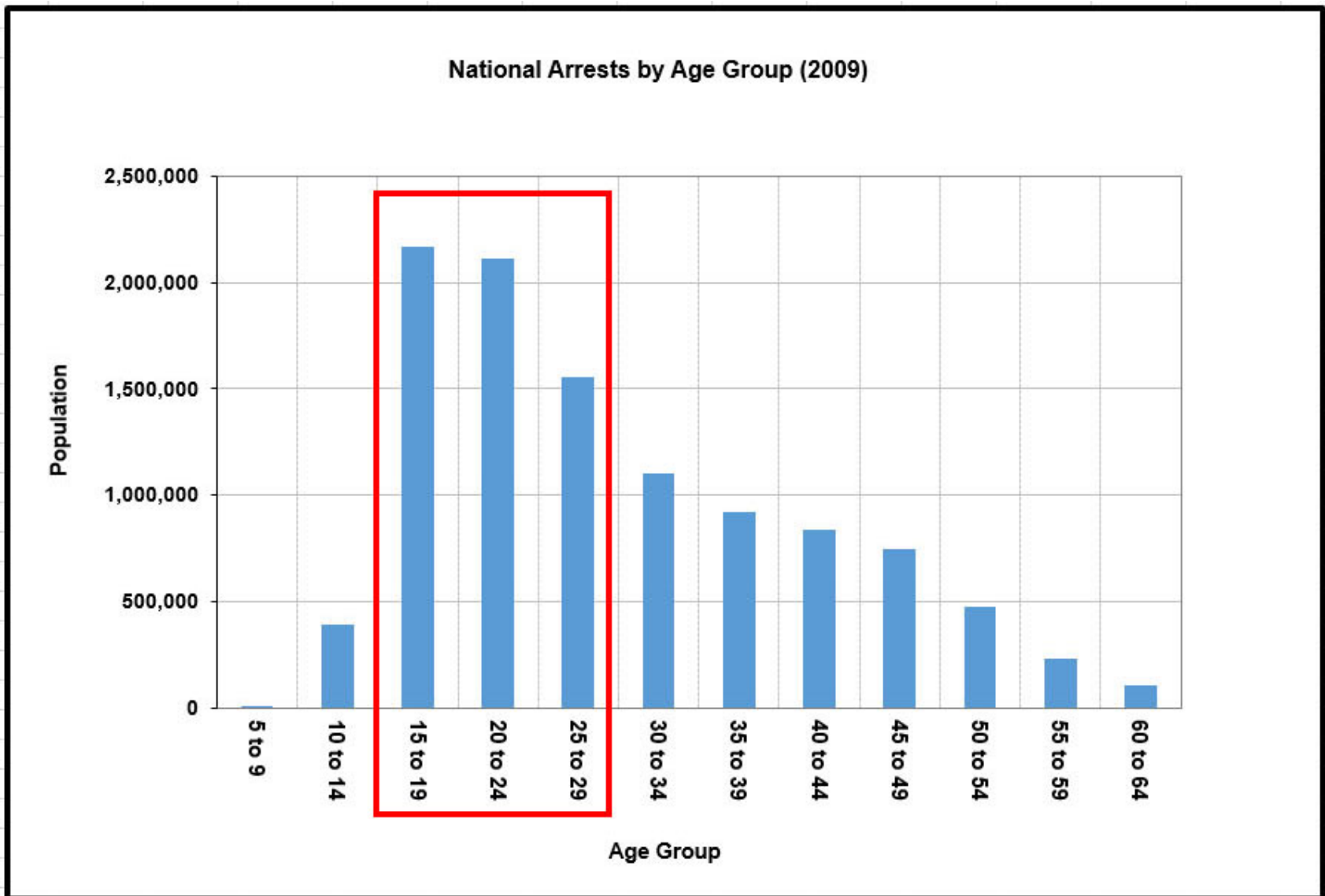
# U.S. Arrest Estimate

(Arrest Rates by Age for All Offenses)



Source: Bureau of Justice Statistics

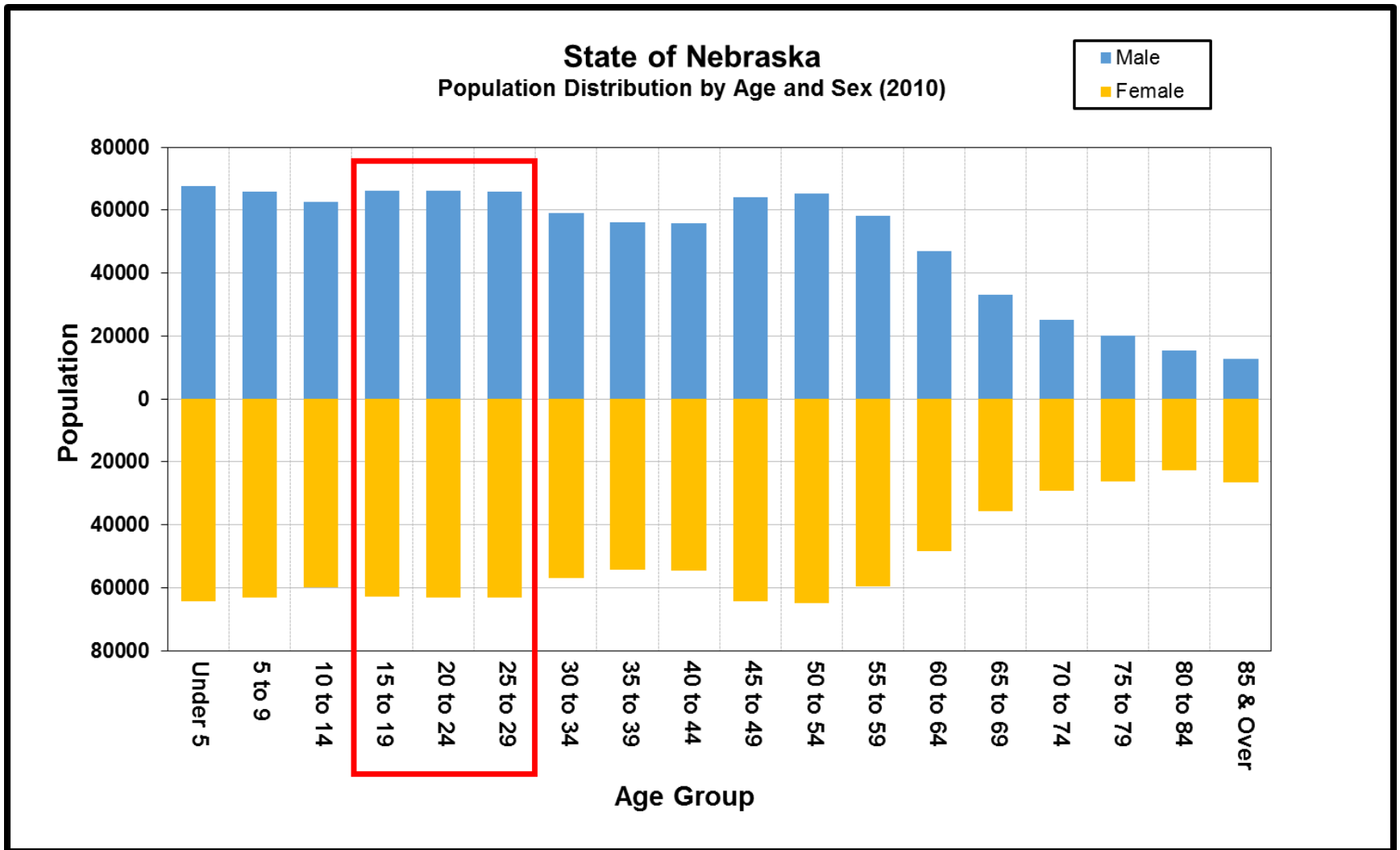




Source: Bureau of Justice Statistics, Federal Bureau of Investigation

- 54.7% of national arrests are 15-29 year olds



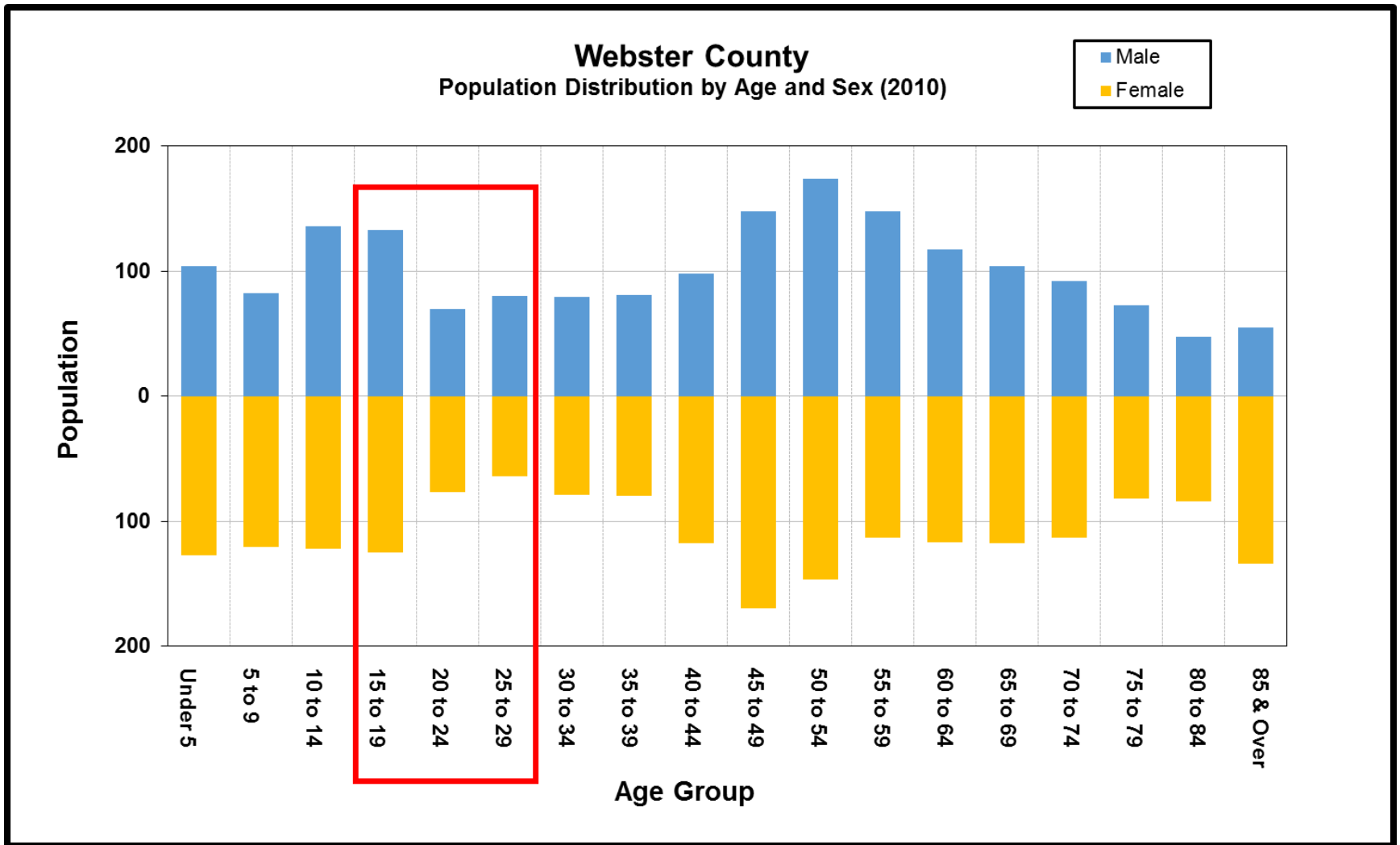


Source: U.S. Census Bureau

- 21.2% of Nebraska population is 15-29 years old
- 21.0% of Nebraska population is 0-14 years old







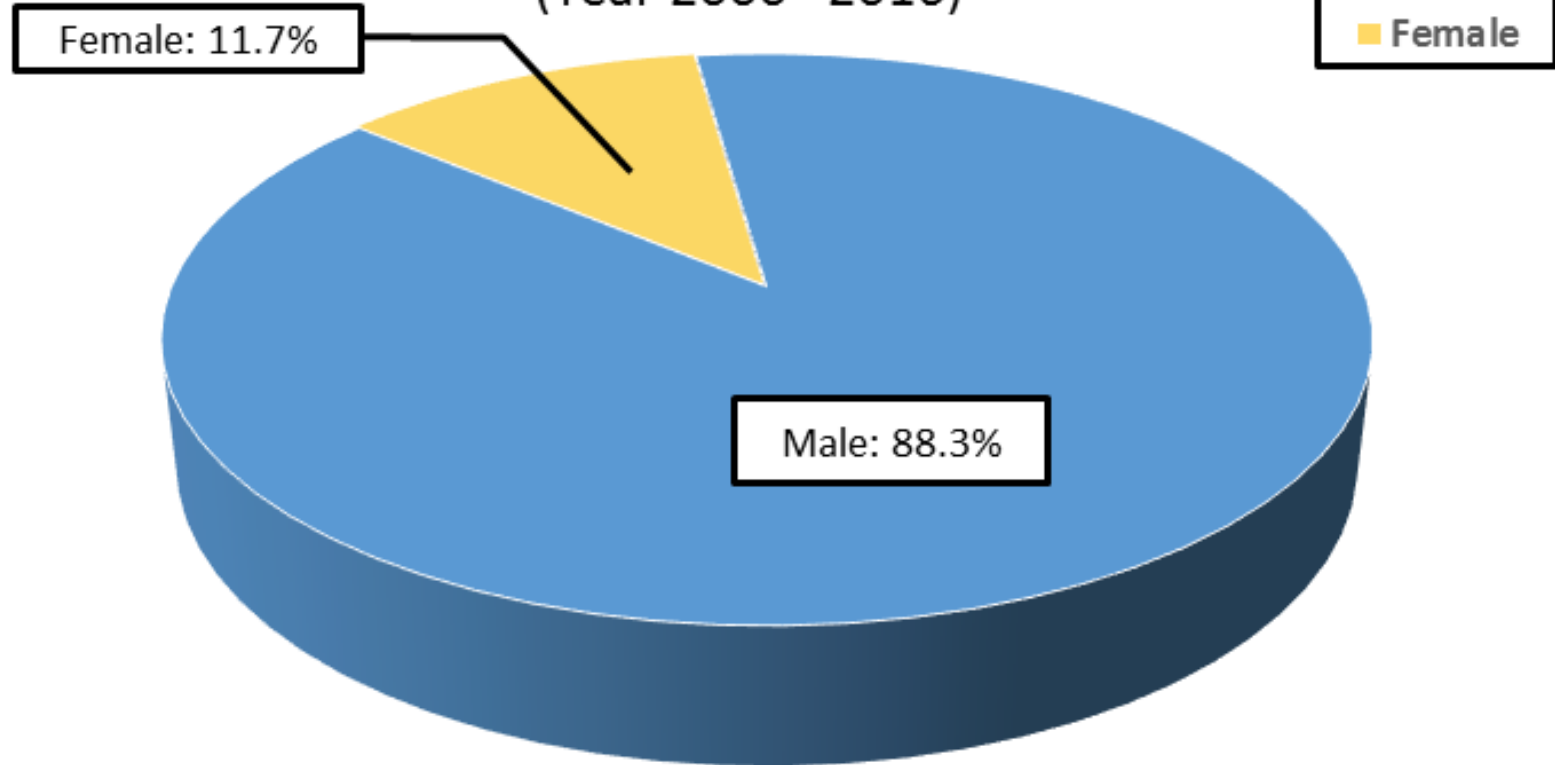
Source: U.S. Census Bureau

- 14.1% of Webster County population is 15-29 years old
- 17.8% of Webster County population is 0-14 years old



## WEBSTER COUNTY JAIL INMATE GENDER

(Year 2000 - 2016)



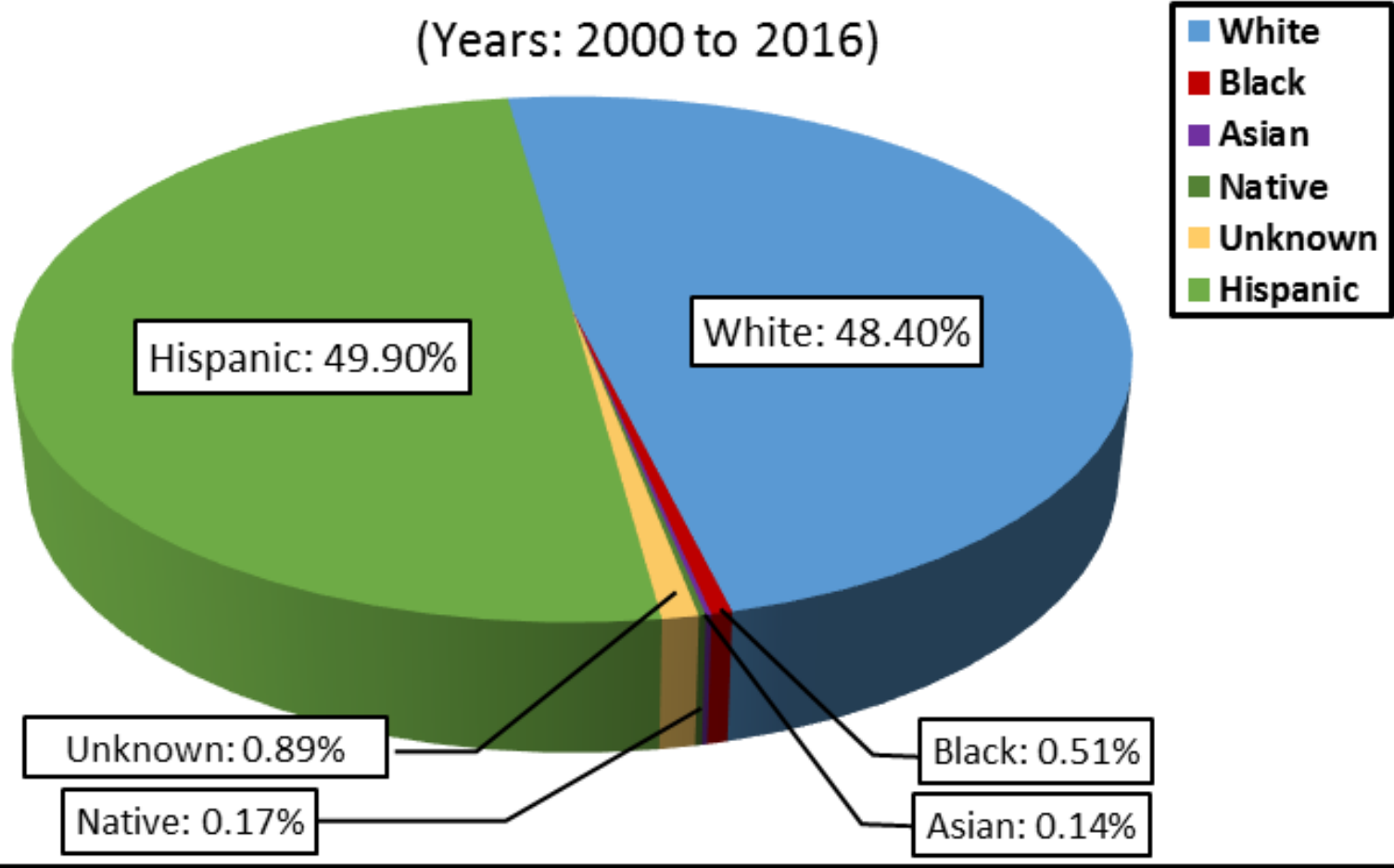
Source: NCJIS Nebraska Criminal Justice Information System

- 11.7% of Webster County's inmate population is Female
- 88.3% of Webster County's inmate population is Male



# WEBSTER COUNTY JAIL INMATE BY RACE

(Years: 2000 to 2016)



Source: NCJIS Nebraska Criminal Justice Information System

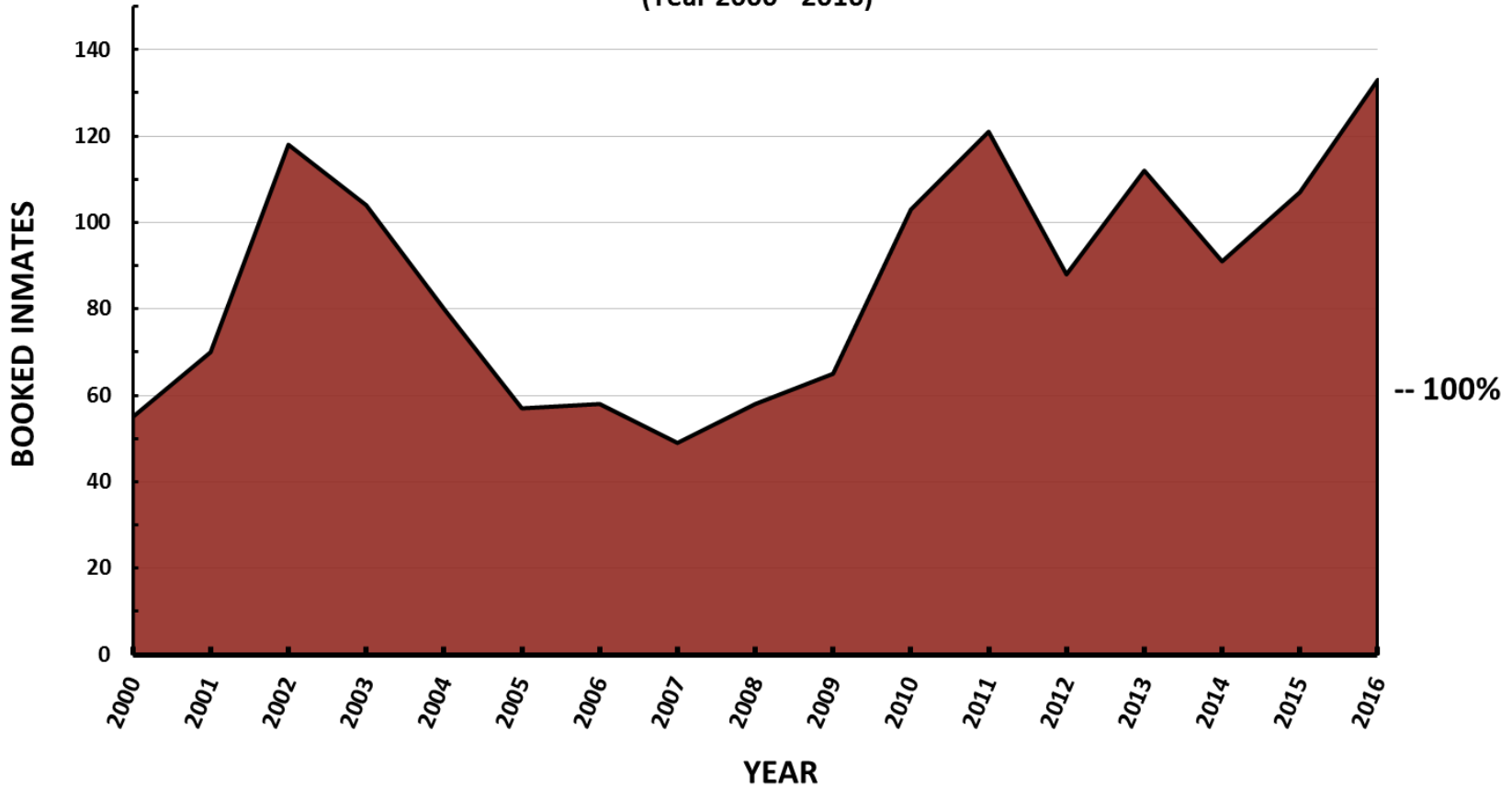
- 48.4% of Webster County inmates are White
- 49.9% of Webster County Inmates are Hispanic



# Webster County Jail Inmates

Percent Average by Arresting Agency  
(Year 2000 - 2016)

■ All Arresting Agencies



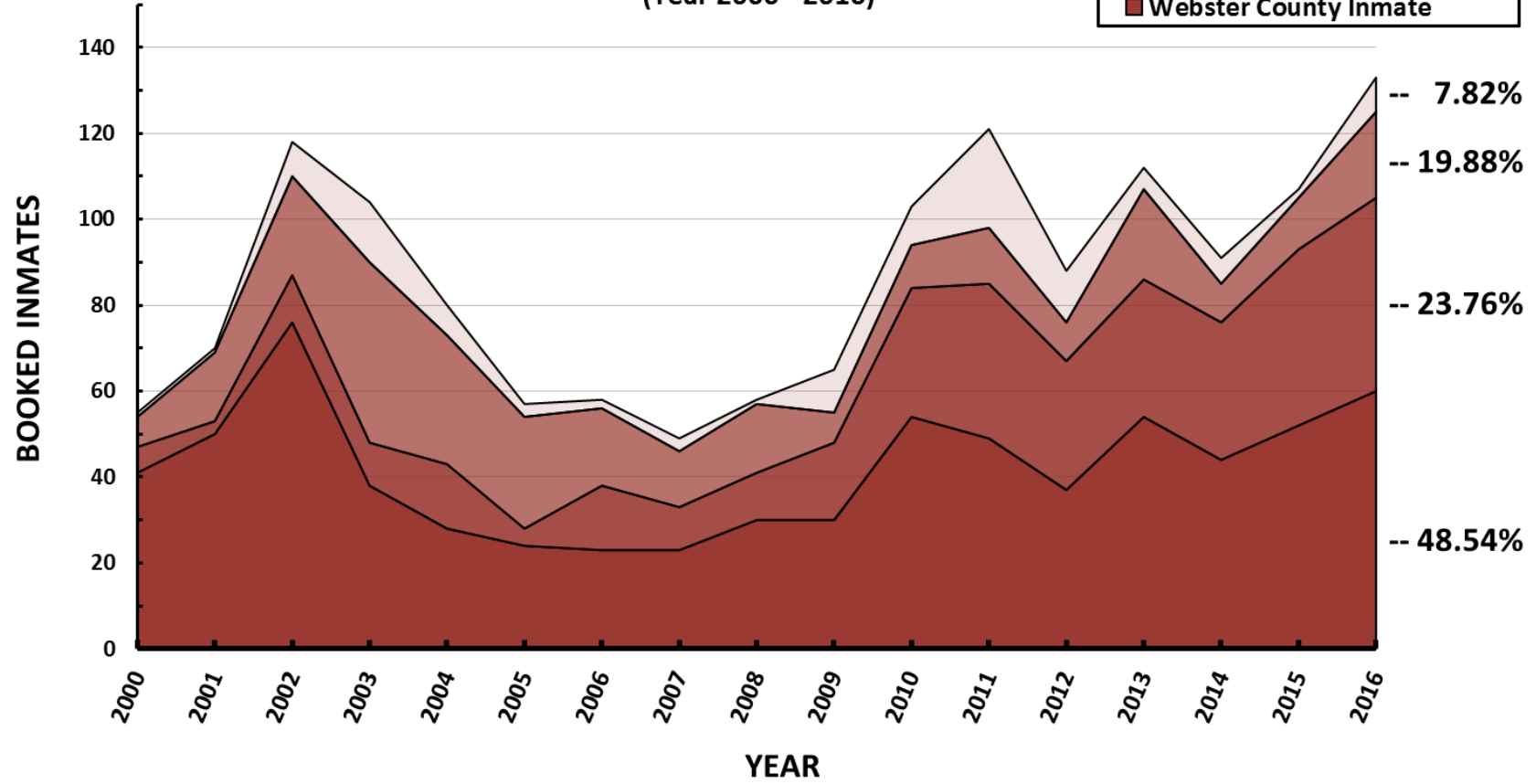
Source: NCJIS Nebraska Criminal Justice Information System



# Webster County Jail Inmates

Percent Average by Arresting Agency  
(Year 2000 - 2016)

- Adams County Inmates
- State Patrol & Misc. Counties
- Nuckolls County Inmates
- Webster County Inmate



Source: NCJIS Nebraska Criminal Justice Information System





FUTURE JAIL CAPACITY NEEDS PROJECTIONS

## Projecting Jail Capacity Needs

**PURPOSE:** To determine the number of beds necessary to house county inmates now and in the near future.

### Methods Used\*

#### 1. Linear Regression Method

- Peak Population Capacity Modifier

#### 2. Incarceration Rate Method

- Peak Population Capacity Modifier

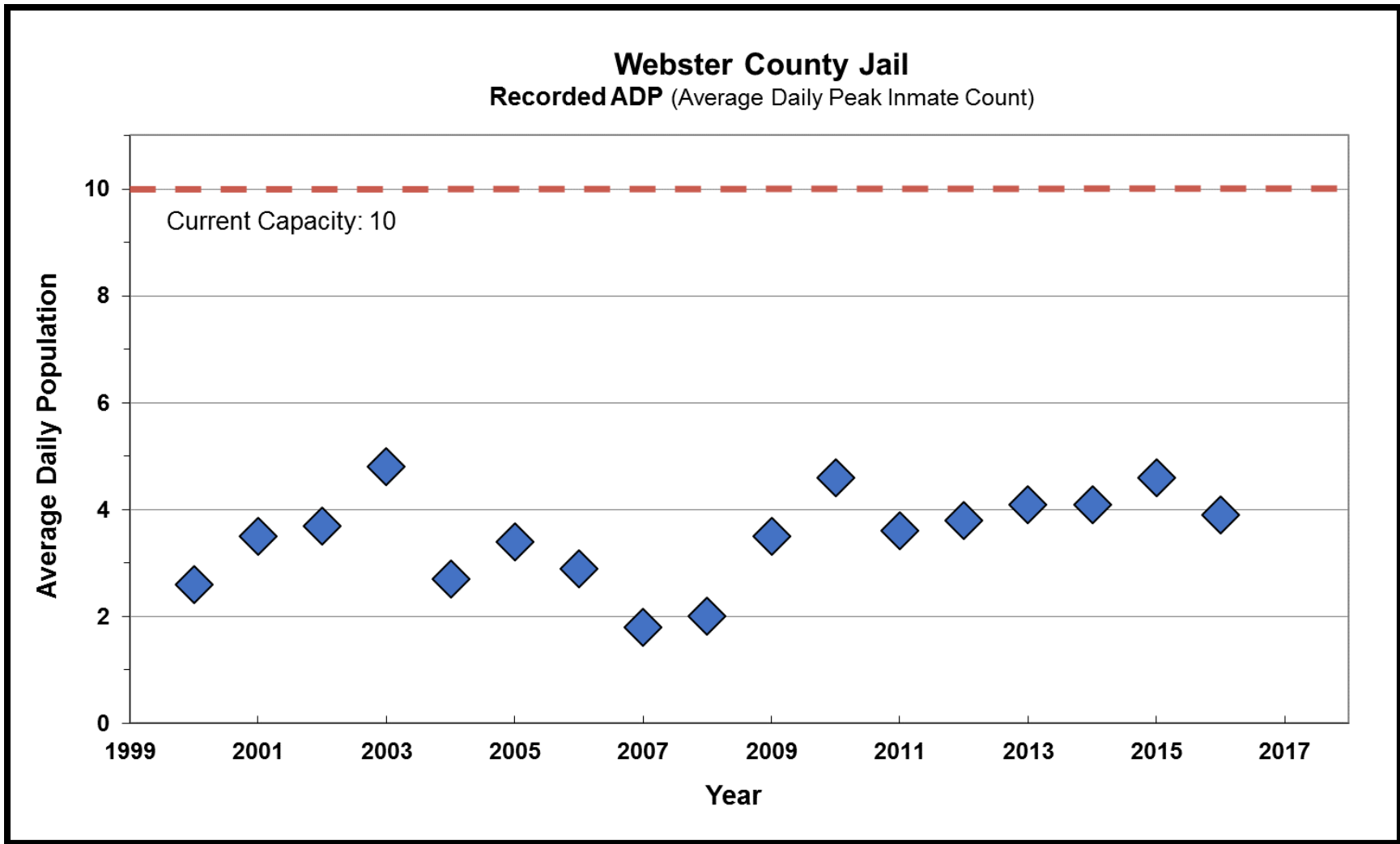
\*Based on Historical Data from County, State, and National sources.





AVERAGE DAILY POPULATION – PEAK CAPACITY FACTOR

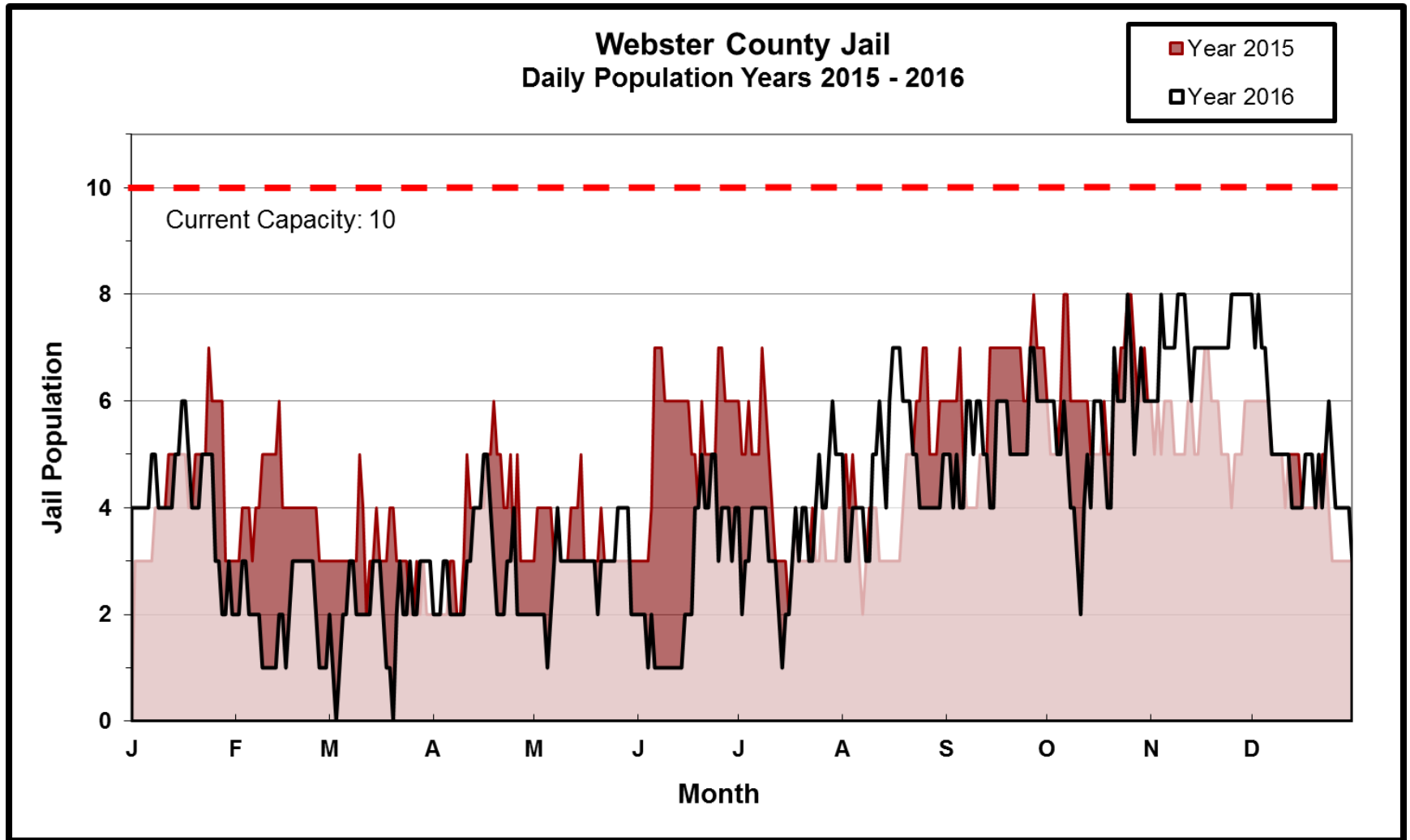




Source: NCJIS Nebraska Criminal Justice Information System

- ADP accounts for Average Daily Jail Population over time





Source: Office of Webster County Sheriff's Office

- Peak Capacity Factor accounts for spikes in jail population



## WEBSTER COUNTY: JAIL CAPACITY PEAK FACTOR

2-Year Average: 25 Highest ADP Days (Jan. 2014 - Dec. 2016)

Rank	ADP Population 2015	Occurrences	ADP Population 2016	Occurrences
1	8	5	8	13
2	7	20	7	12
3				
4				
5				
6				

2015 Aver. Peak Count: 7.20

Year 2015 ADP: 4.53

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2015 Peak Factor: 1.59

**15-'16 Aver. Peak Count 7.36**

**15-'16 Average ADP 4.25**

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**Forecast Peak Factor: 1.73**

2016 Average Peak Count: 7.52

Year 2016 ADP: 3.98

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2016 Peak Factor: 1.89

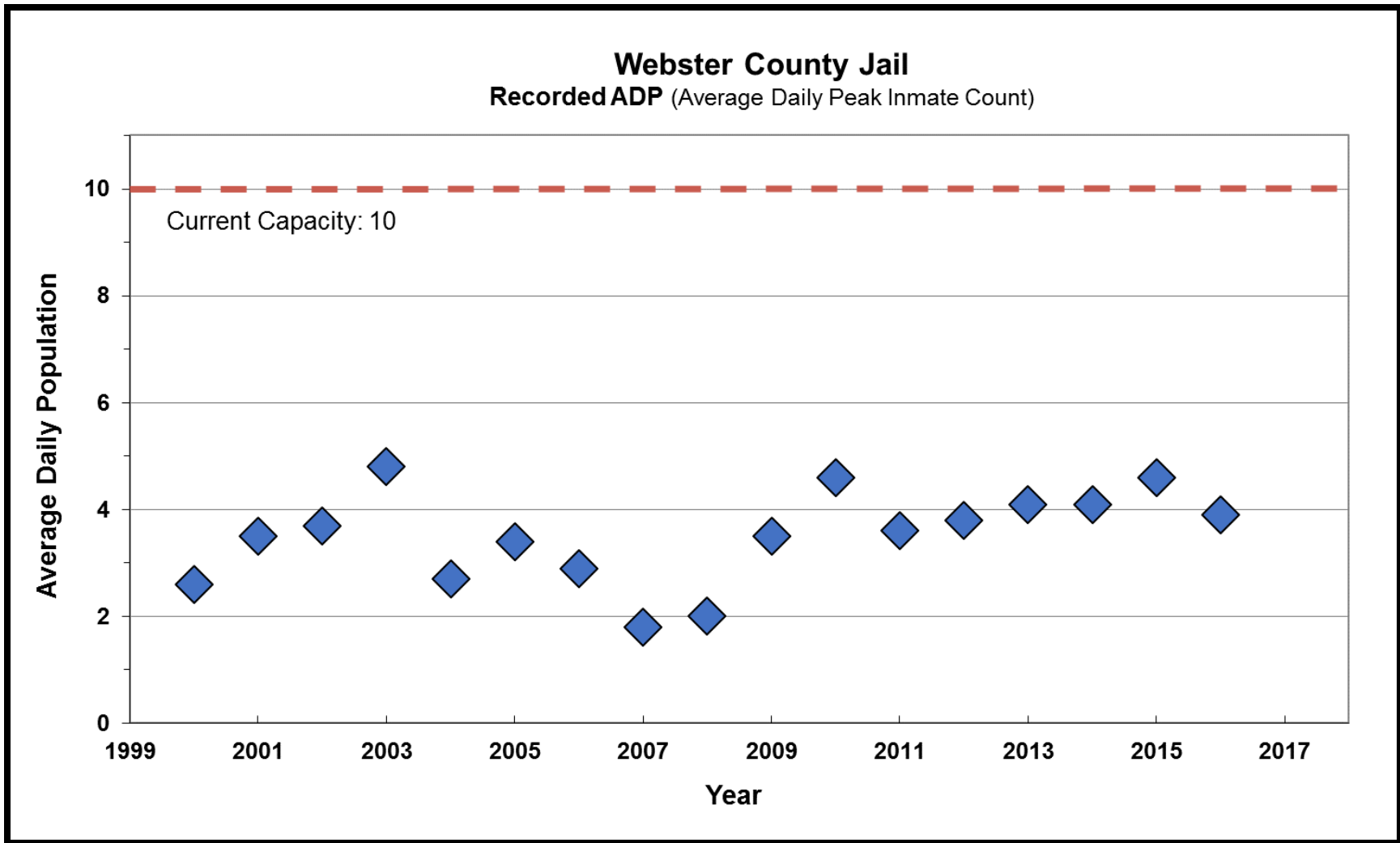
Source: NCJIS Nebraska Criminal Justice Information System, Prochaska & Associates

- Peak Factor 2015: 1.59 & 2016: 1.89
- 2015 & 2016 Average Peak Population Factor: 1.73





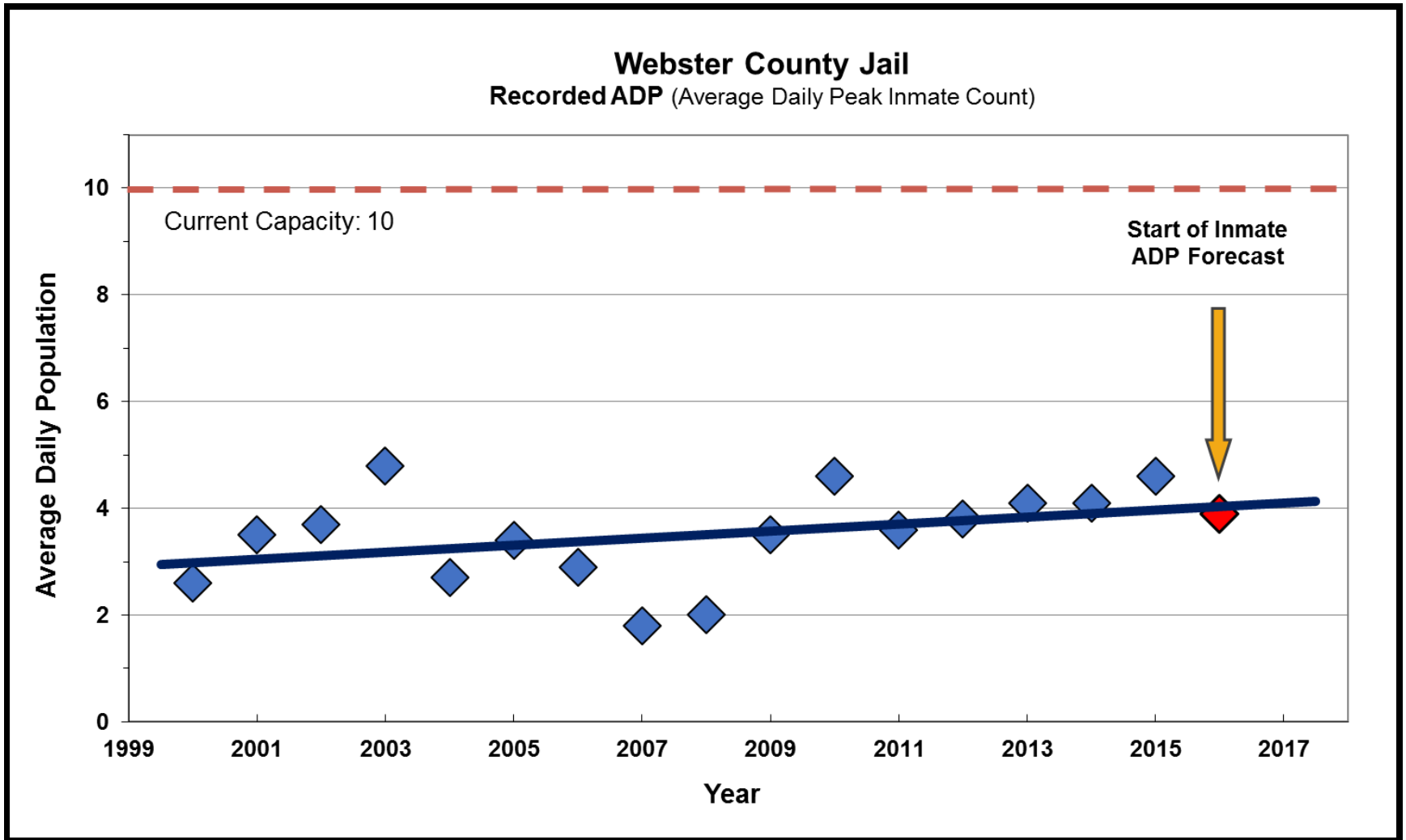
NEEDS CAPACITY PROJECTION – LINEAR REGRESSION



Source: NCJIS Nebraska Criminal Justice Information System

## Average Daily Population (ADP): Background Information



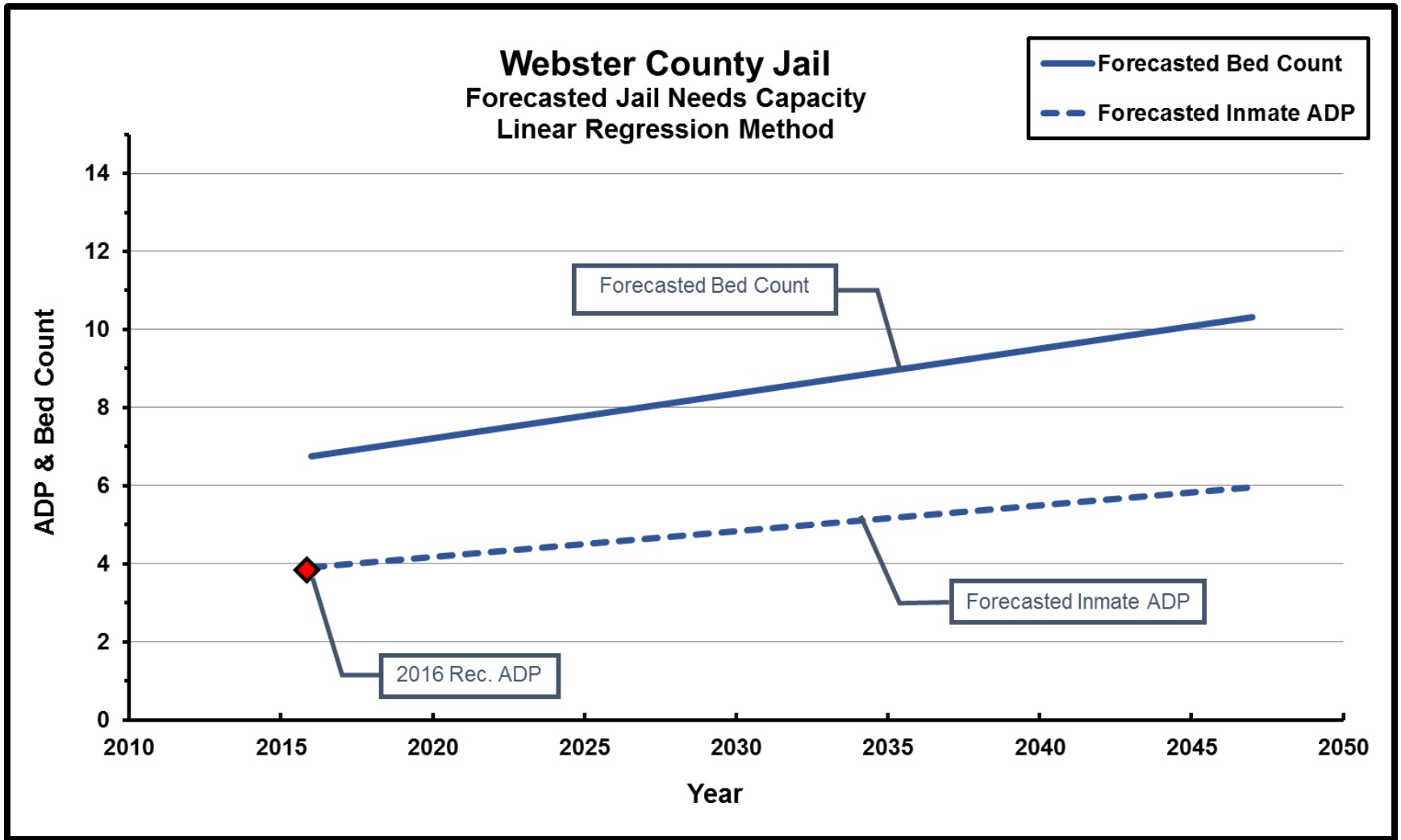


Source: NCJIS Nebraska Criminal Justice Information System, Prochaska & Associates

## Average Daily Population (ADP):

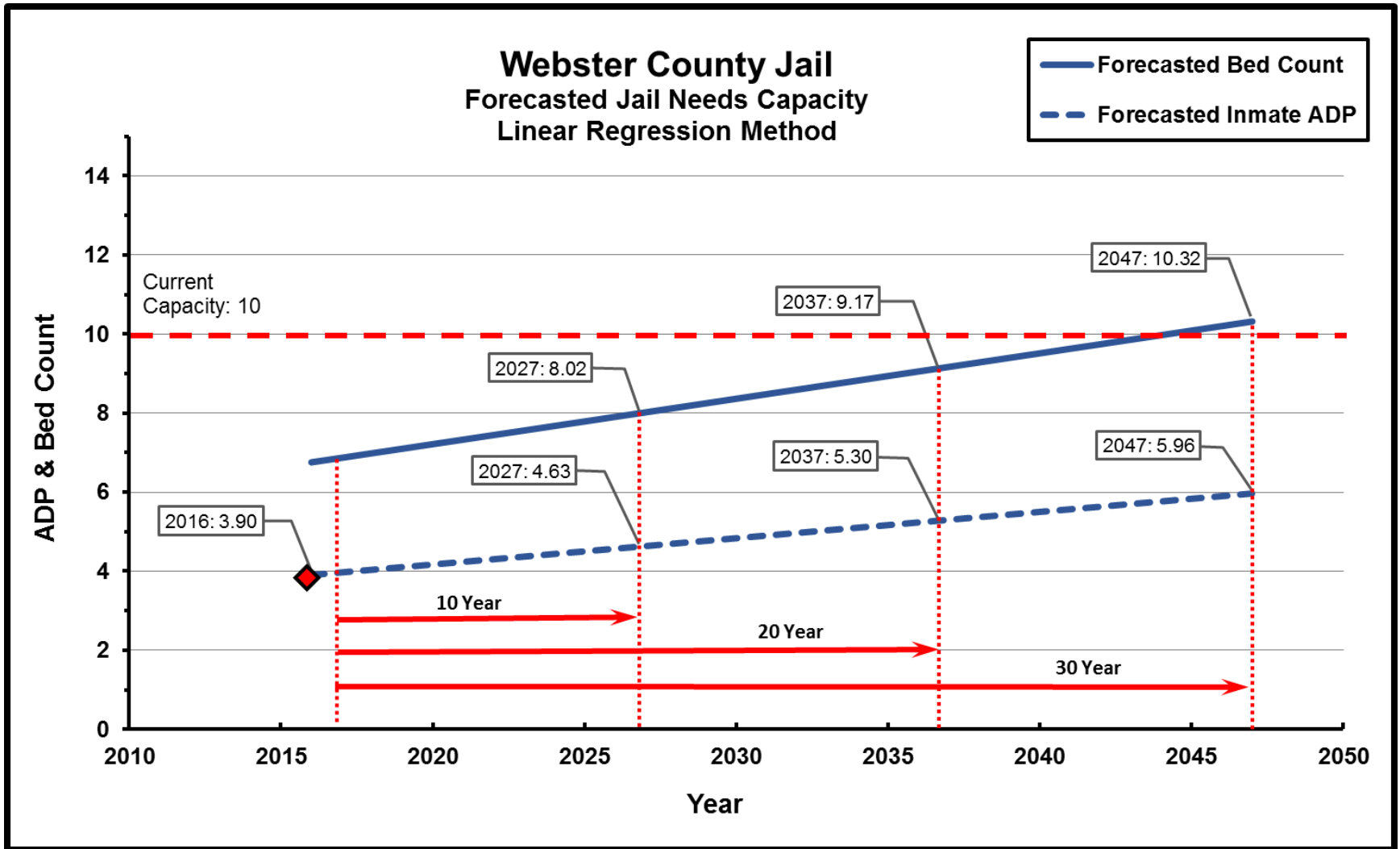
The average daily number of inmates in the county jail.





Source: NCJIS Nebraska Criminal Justice Information System, Prochaska & Associates





Source: NCJIS Nebraska Criminal Justice Information System, Prochaska & Associates

- Linear Regression Method: 20 yrs. = 10 Beds & 30 yrs. = 11 Beds







NEEDS CAPACITY PROJECTION – INCARCERATION RATE

# Incarceration Rate Method

$$\frac{\text{County Jail ADP}}{\text{County Population}} \times 100,000$$

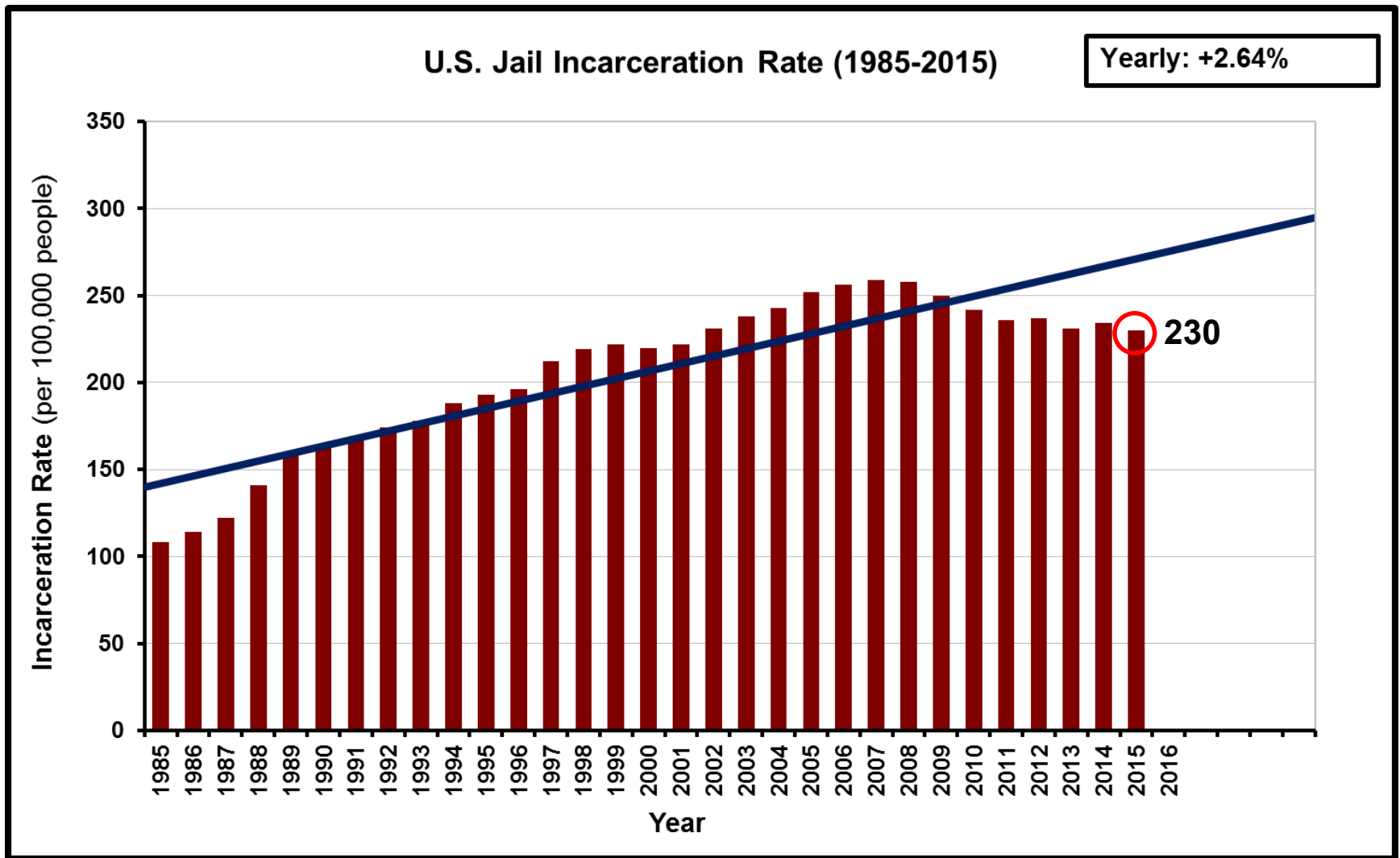
2016 Webster County Population: 3,663 residents (Est.)

2016 Webster County Jail ADP: 3.90 inmates

$$\frac{3.90}{3,663} \times 100,000 = \boxed{107 \text{ inmates per } 100,000 \text{ residents}}$$

-or-  
1 inmate per 940  
residents



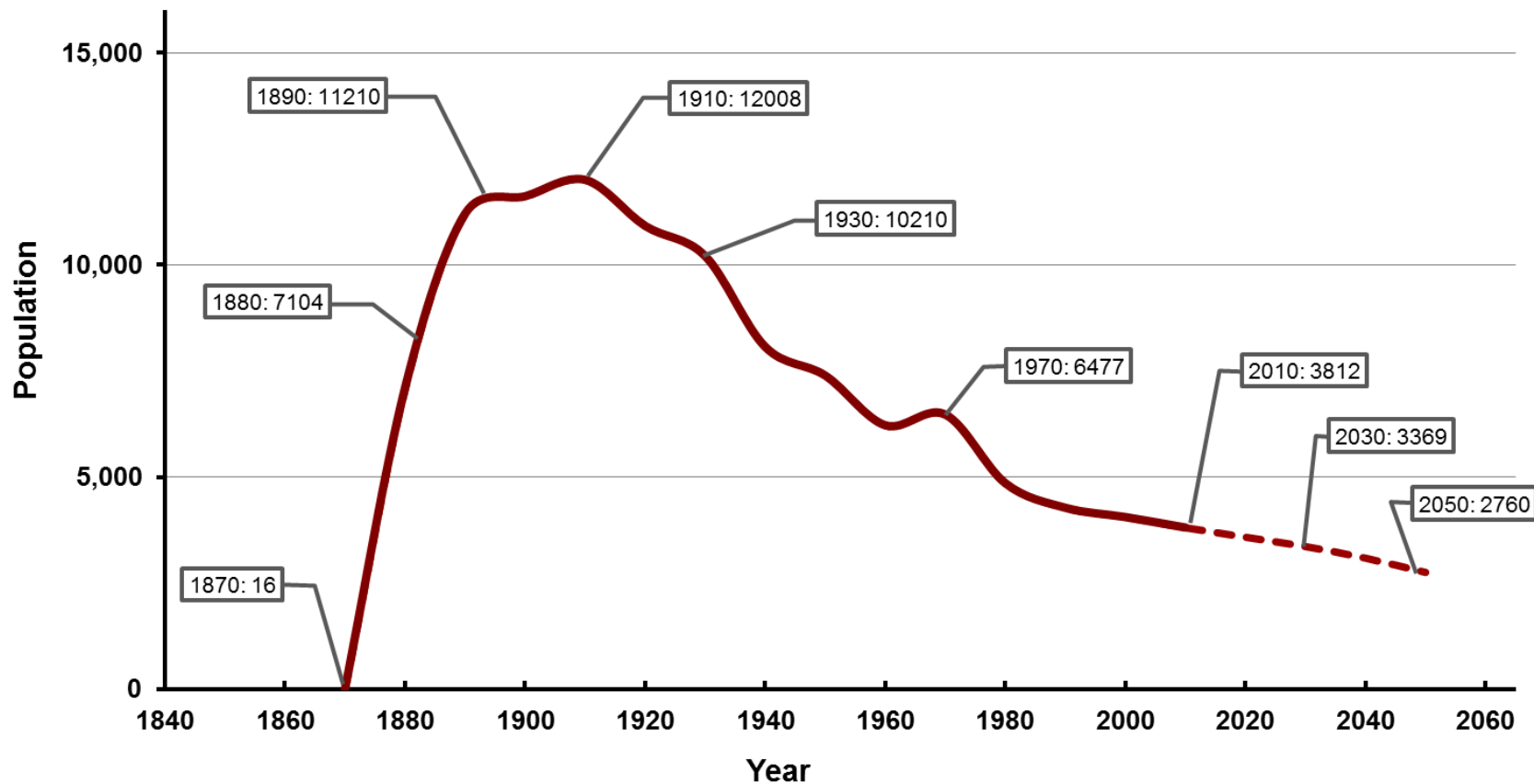


Source: Bureau of Justice Statistics

- U.S. Incarceration Rate (2015): 230 per 100,000 people
- U.S. rate has increased an average of 2.64% per year since 1985

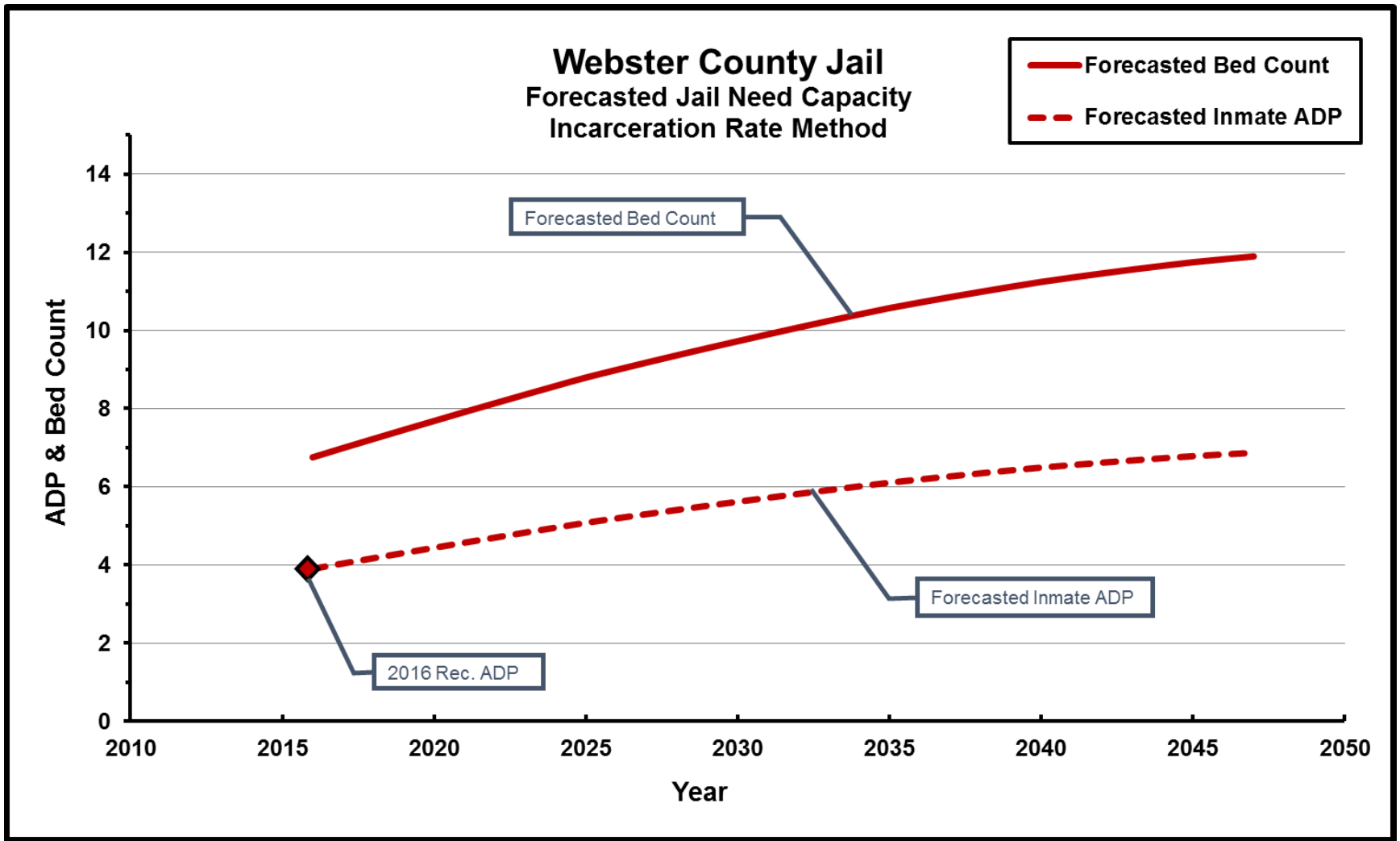


### Webster County Census Population Recorded & Projected (1850 - 2050)



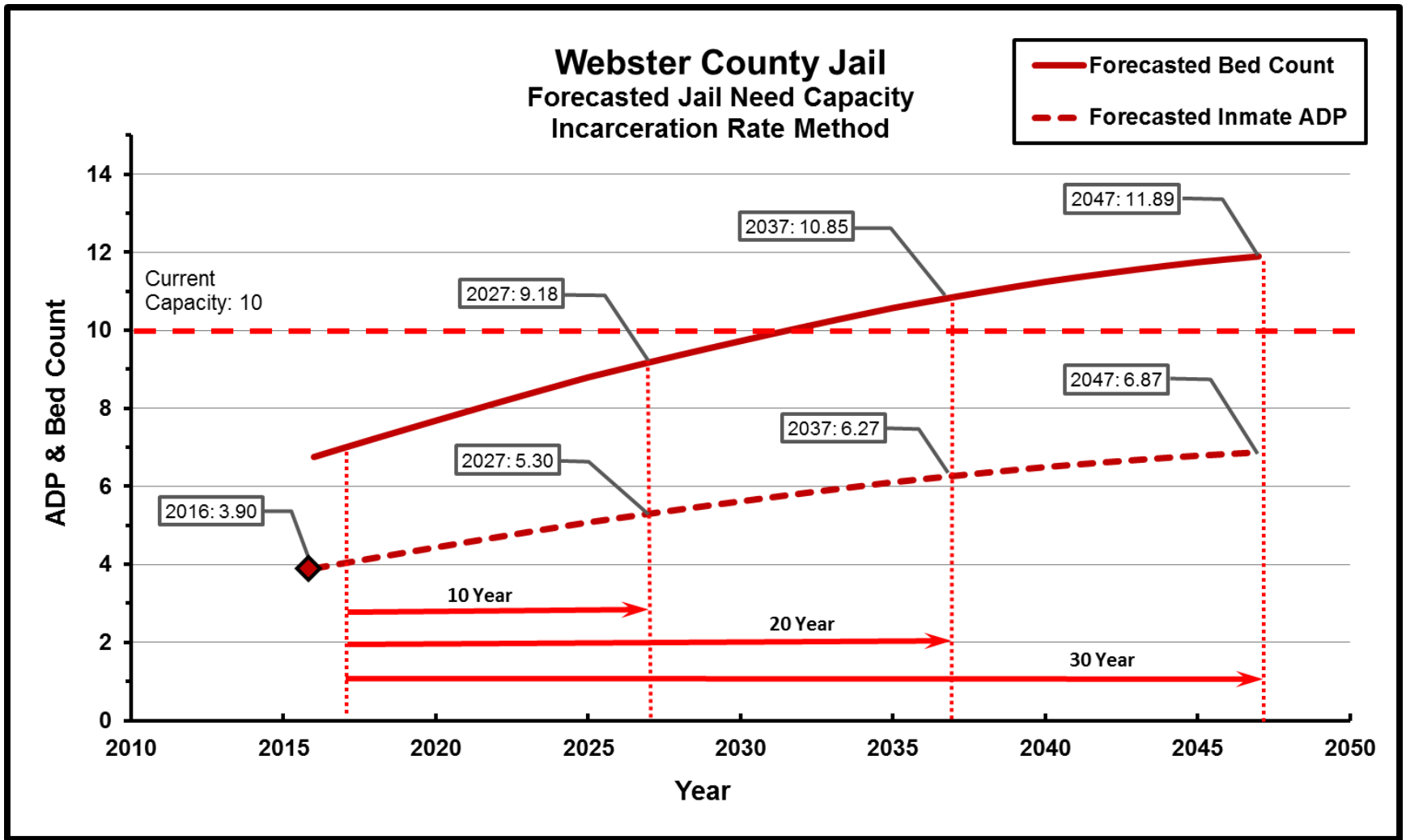
Source: U.S. Census Bureau, University of Nebraska - Omaha





Source: U.S. Census Bureau, University of Nebraska – Omaha, Prochaska & Associates





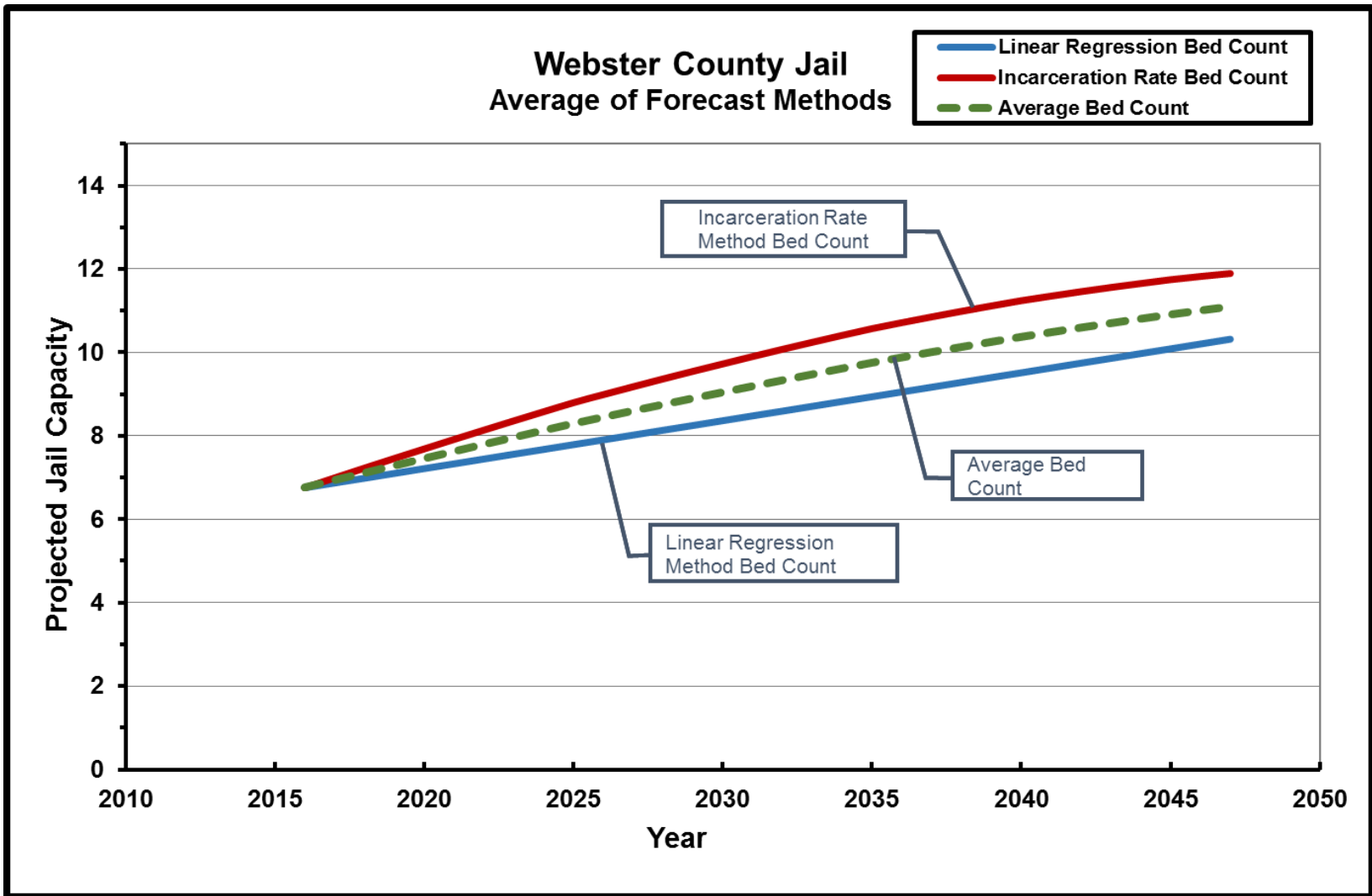
Source: U.S. Census Bureau, University of Nebraska – Omaha, Prochaska & Associates

- Incarceration Rate Method: 20 yrs. = 11 Beds & 30 yrs. = 12 Beds





JAIL NEEDS CAPACITY PROJECTION

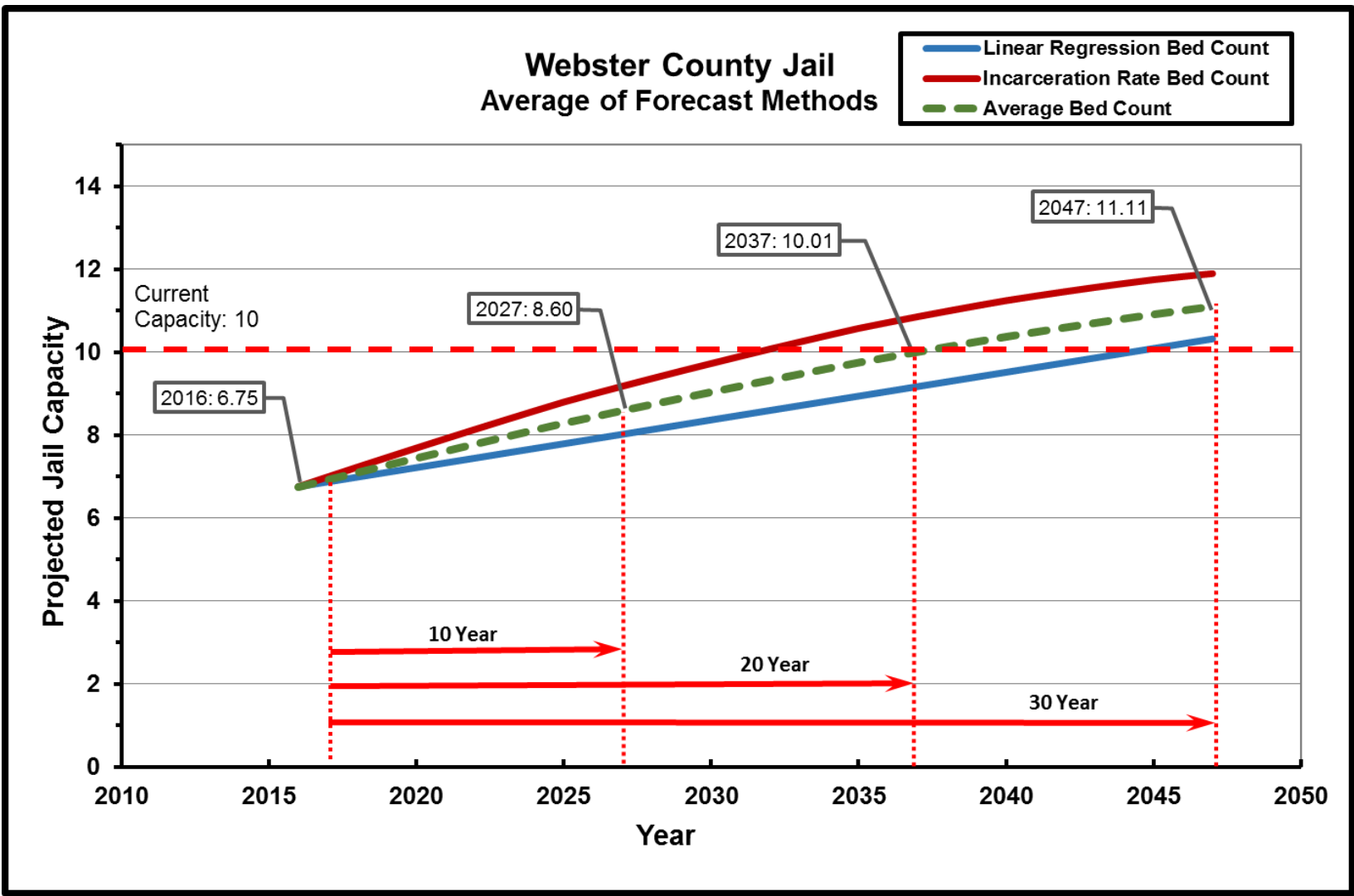


Source: Prochaska & Associates

- Average Bed Count from both methods of projection







Source: Prochaska & Associates

- Projected Capacity: 20 yrs. = 10 Beds & 30 yrs. = 12 Beds



## Webster County Jail - Bed Forecast

County vs. Regional Bed Forecast Data, Years 2017-2047

Year	Webster County Projected ADP (Average Daily Population)	Webster County Average Bed Needs (Peak Factor of 1.73)	Webster Co. Bed Needs <small>Includes capacity for 80% 'Rule of Thumb': (Jail safety reduced &amp; transportation resumes at 80% of maximum capacity)</small>	Potential Adams County Male Bed Forecast - 80.8% of Webster ADP 2010-2016 Average, 1.45 Peak Factor: common per jail size	Potential Adams Co. Female Bed Forecast - 46.0% of Webster ADP 2007-2016 Average, 1.45 Peak Factor: common per jail size	Regional Bed Needs Webster County + Adams Co. Male + Adams Co. Female	Regional Facility Max. Bed Needs <small>Includes capacity for 80% 'Rule of Thumb': (Jail safety reduced &amp; transportation resumes at 80% of maximum capacity)</small>
2016	3.90*			4.57	2.60		
2017	4.00	6.93	8.66	4.69	2.67	14.29	17.87
2022	4.50	7.79	9.74	5.27	3.00	16.07	20.08
2027	4.97	8.60	<b>10.75</b>	5.82	3.31	17.73	<b>22.17</b>
2032	5.39	9.33	11.67	6.32	3.60	19.25	24.06
2037	5.78	10.01	<b>12.51</b>	6.78	3.86	20.64	<b>25.80</b>
2042	6.12	10.60	13.25	7.17	4.08	21.86	27.33
2047	6.42	11.11	<b>13.88</b>	7.52	4.28	22.90	<b>28.63</b>

*Source: Prochaska & Associates*

### 'Local' County Facility Approach

- Forecasted Capacity: 20 yrs.= 10 Beds & 30 yrs.= 12 Beds
- '80% Rule of Thumb' for Classification: 20 yrs.= 13 Beds & 30 yrs.= 14 Beds
- 1-2 'Turn-Away Inmates': 20 yrs.= 15 Beds & 30 yrs.= 16 Beds

### 'Regional' Facility Approach (with Peak Available Adams Co. Inmates)

- Forecasted Capacity: 20 yrs.= 21 Beds & 30 yrs.= 23 Beds
- '80% Rule of Thumb': 20 yrs.= 26 Beds & 30 yrs.= 29 Beds
- 'Regional' Forecast Recommendation: 30 yrs.= 20 Beds



## Webster County Jail Staffing

('Ideal' Staffing Ratio of 15 to 20 Inmates per 1 Corrections Officer)

Staff - Shift	Bi-Weekly Hours	Staff per Shift	Current 10 Bed Jail Staffing Ratio (Shift Overlap)	"Local" 16 Bed LEC Facility Staffing Ratio (Staff Overlap)	"Regional" 20 Bed LEC Facility Staffing Ratio (Staff Overlap)
Lead Jailer - Day	80	1 (2)	10:1 (5:1)	16:1 (8:1)	20:1 (10:1)
Jailers - Day	160				
Jailers - Night	160	1	10:1	16:1	20:1
Sheriff's Office:	Day & Night Patrol		Available	Available	Available
No Additional Staffing Required Due to Facility Size Increase					

Source: Prochaska & Associates, Webster County Sheriff's Office

### Project Construction Cost vs. Lifetime Facility Operational Expense

- Jail project costs are generally 10% the lifetime facility operation expense
- Operational Expenses (Staff, Equipment, Repair, etc.) is 80% of the lifetime expense

### Operational Expense with the Recommended Facility Sizes

- Both 'Regional' and 'Local' Recommendations maintain current staffing levels
- A more efficient staff-to-inmate ratio is achieved as the jail grows to 15 to 20 beds
- A larger facility would greatly prevent the transport of overflow inmates
- The need for transport staff is greatly reduce – deputies increase patrol focus





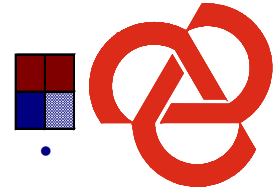
PROJECT SCHEDULE – NEXT STEPS

# PROJECT SCHEDULE

owner: WEBSTER COUNTY  
 project: JUSTICE CENTER  
 project no.: 170509  
 date: February 22, 2018  
 team: Webster Co. / Citizens Jail Committee / Prochaska & Associates

**K** WC - Webster County  
**E** CC - Citizens Jail Committee  
**Y** PA - Prochaska & Associates

legend:  
 programmed period for phase  
 programmed period for task  
 presentations/meetings



year	2018											
month	JAN	FEB	MAR	APL	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
task	firm											
<b>PHASE 2:</b>												
<b>PRELIM. CONCEPT PLANNING</b>												
Recruit Citizens Jail Committee & Kick-Off Meeting, Jail Tour	WC/ CC/PA	■	■	■								
Phase 1 Review and Refine Program of Spaces	WC/ CC/PA		■	■	■							
Develop and Refine Project Options	WC/ CC/PA			■	■	■						
Develop Project Budget	WC/ CC/PA				■	■	■					
Recommendation of Top-ranked Option Concept	WC/ CC/PA					■						
Develop & Refine Top-ranked Option Concept	WC/ CC/PA				■	■	■					
Present Pre-Final Concept to Committee	WC/ CC/PA					■						
Preliminary Review w/ Nebraska Dept. of Corrections	WC/ CC/PA				■	■						
Final Recommendation by Committee	CC/PA					■						
Present Final Concept to Board of Supervisors	WC					■						
Go / No-Go Decision to Proceed with Project	WC					■						

- **OPTION 1** – Addition to the Historic Webster County Courthouse (New Sheriff’s Office, Jail, and Courtroom Spaces)
- **OPTION 2** – Build a new Justice Center on “greenfield” site (New Sheriff’s Office, Jail, and Courtroom Spaces)
- **OPTION 3** – Hold & Transport: *keep “status quo” & continue to transport excess/non-classifiable inmates to other Counties at increasing costs*





THANK YOU!