

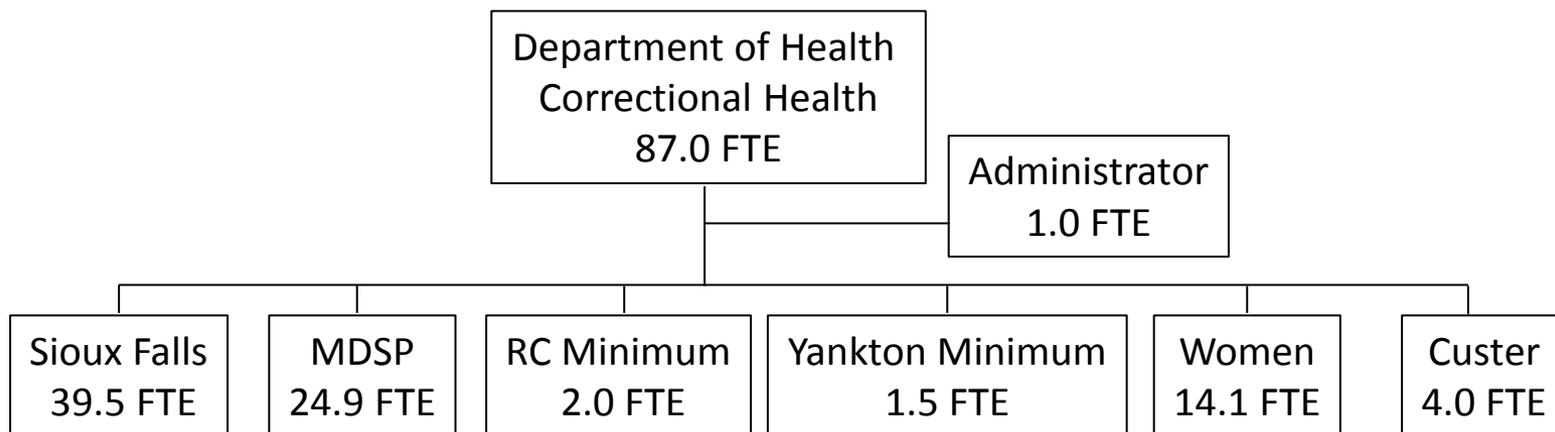
Department of Health  
Department of Social Services  
Department of Corrections

Correctional Health

Joint Appropriations – 2/19/15

11:00 AM

# Correctional Health Department of Health



# Correctional Health

- Provide of a full continuum of health care services
  - Medical services – chronic disease management, acute care, infirmary care, long-term care, eEmergency, eConsultation
  - Mental health care – DSS
  - Dental Care
  - Optometry
- Payer of health care services
  - Medical case management
  - Utilization review
  - Cost savings measures
    - negotiated reimbursement rates
    - formulary management
    - FTE utilization

# eEmergency

- Minimize transfers to hospital ER
- 24/7 availability of board-certified emergency physicians and ER nurses through the Avera eCare hub
- Treat emergencies and trauma within walls of prison
- Streamline transfers when needed

# eEmergency Utilization

July 2012 – December 2014

Time Frame	SD Womens		Mike Durfee		Jameson		The Hill	
	eEmergency	# Avoided	eEmergency	# Avoided	eEmergency	# Avoided	eEmergency	# Avoided
FY13	51	24	185	102	64	24	30	8
FY14	38	18	193	106	90	38	35	15
FY15 through 12-31-14	27	17	120	80	54	27	47	21
<b>Total FY13-FY15 YTD</b>	<b>116</b>	<b>59</b>	<b>498</b>	<b>288</b>	<b>208</b>	<b>89</b>	<b>112</b>	<b>44</b>

## FY 13

- 47.88% Avoided transfers to ER
- 330 Video encounters
- 158 Avoided transfers to ER

## FY14

- 49.72% Avoided transfer to ER
- 356 Video encounters
- 177 Avoided transfers to ER

## FY 15 YTD (Dec. 31, 2014)

- 58.47% Avoided transfers to ER
- 248 Video encounters
- 145 Avoided transfers to ER

## Total (July 2012-Dec. 2014):

- 51.59% Avoided transfer to ER
- 934 Video encounters
- 480 Avoided transfers to ER

# eConsultation

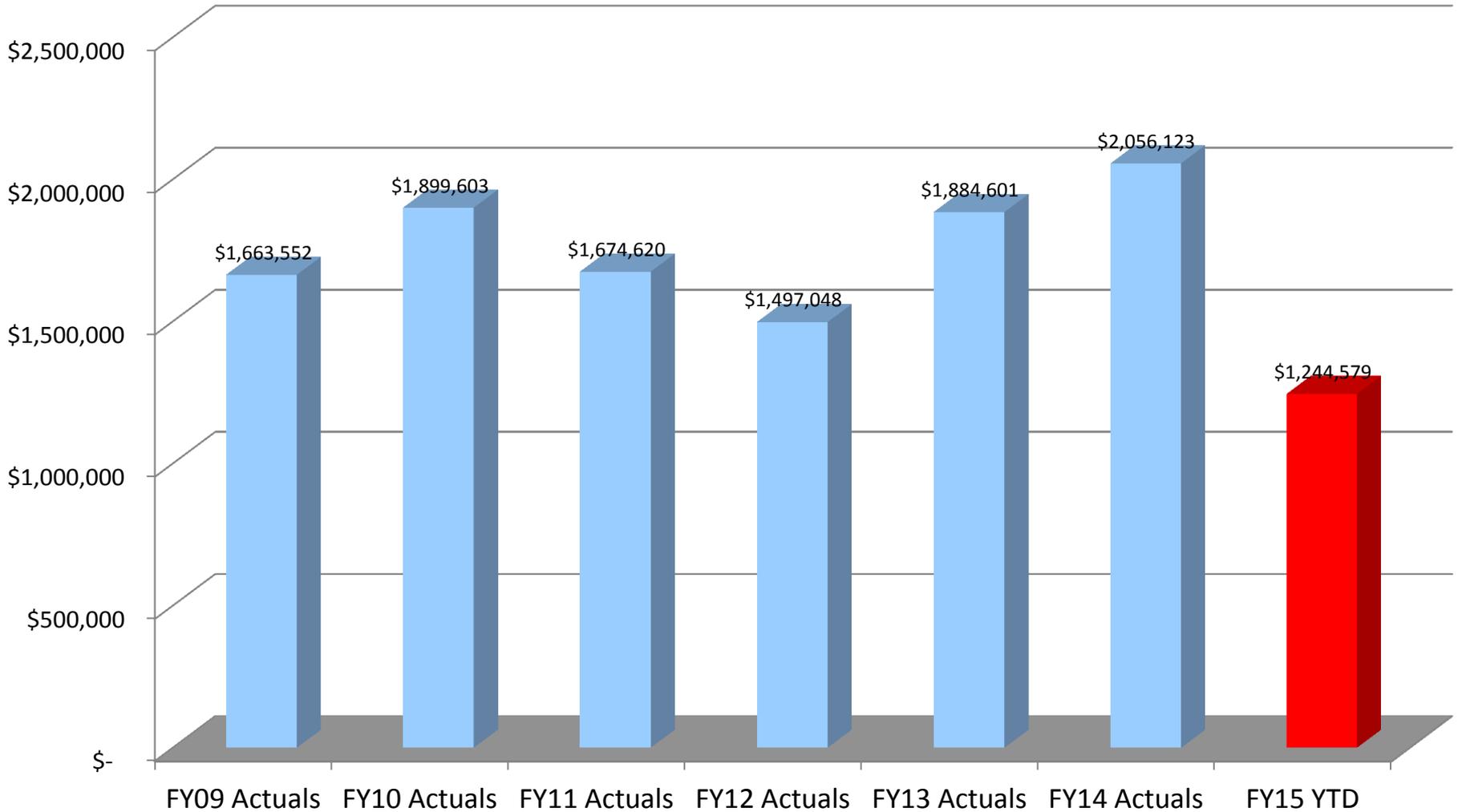
- Minimize transfer of inmates to outside medical appointments through Avera eCare two-way video technology
- Allows access to specialists including infectious disease, cardiology and oncology without inmates leaving prison
- Allow consultations and follow-up medical appointments in prison clinic
- Allows CH nurses immediate medical direction

# eConsult Utilization

<u>Time Frame</u>	<u>SD Womens</u>	<u>Mike Durfee</u>	<u>Jameson</u>	<u>The Hill</u>
FY14	21	82	42	47
FY15 through 12-31-14	13	42	24	36
Total - May-13 - Dec - 14	39	130	71	88

- 328 eConsultations to date
- Continue to add specialists

# CHC Top 25 History

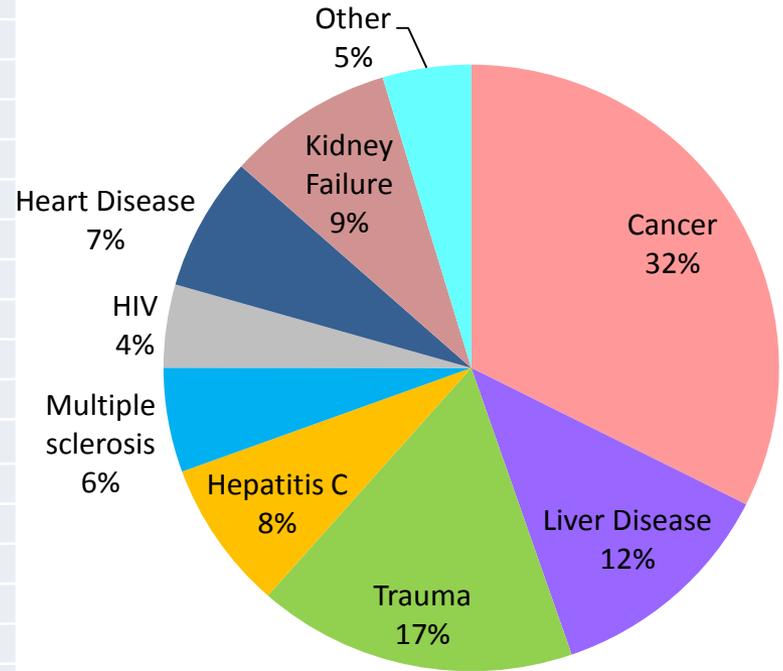


\*FY15 YTD – through January 31<sup>st</sup>

# Top 25 Inmates

FY14 - July 1, 2013 – June 30, 2014

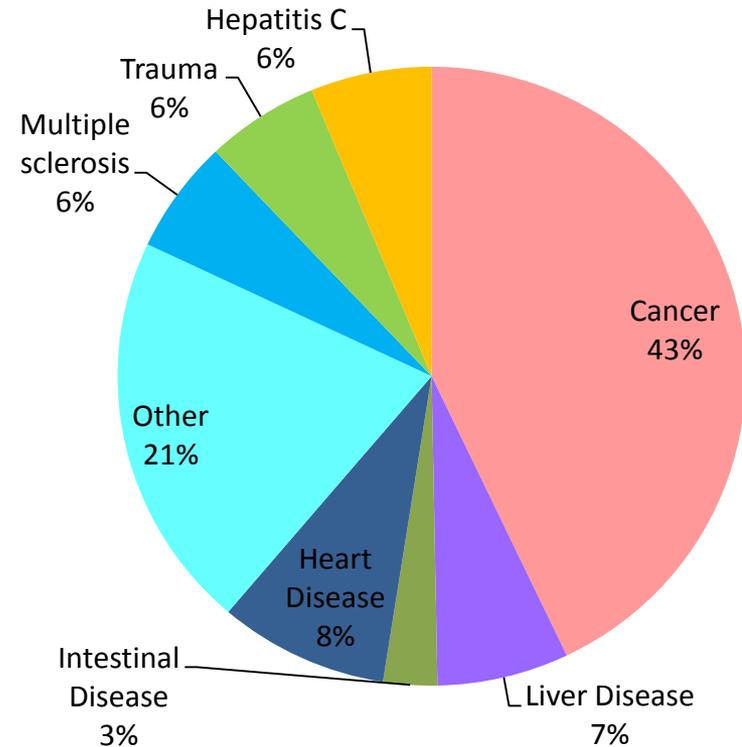
	FY14 Actuals	Diagnosis
1	\$ 249,544.18	Post trauma, multiple surgeries
2	\$ 170,310.43	Cancer
3	\$ 134,922.10	Diabetic with kidney failure, on dialysis
4	\$ 126,508.65	Brain cancer
5	\$ 106,910.74	Cancer
6	\$ 102,102.40	Congestive heart failure
7	\$ 100,556.94	Liver disease
8	\$ 89,563.74	Liver disease
9	\$ 85,603.73	Hepatitis C
10	\$ 78,034.99	Hepatitis C
11	\$ 68,810.45	Cancer
12	\$ 68,737.27	Cancer
13	\$ 64,316.10	Prostrate cancer
14	\$ 62,410.38	Liver and kidney disease
15	\$ 61,112.62	Prostrate cancer
16	\$ 59,877.87	Multiple sclerosis
17	\$ 54,571.85	Multiple sclerosis
18	\$ 50,739.36	Trauma
19	\$ 48,686.49	Abdominal fistula
20	\$ 46,868.11	Tuberculosis
21	\$ 45,948.91	HIV
22	\$ 45,687.76	Kidney failure
23	\$ 44,992.69	HIV
24	\$ 44,750.42	Trauma
25	\$ 44,554.84	Heart Disease
<b>Grand Total</b>	<b>\$ 2,056,123.01</b>	



# Top 25 Inmates

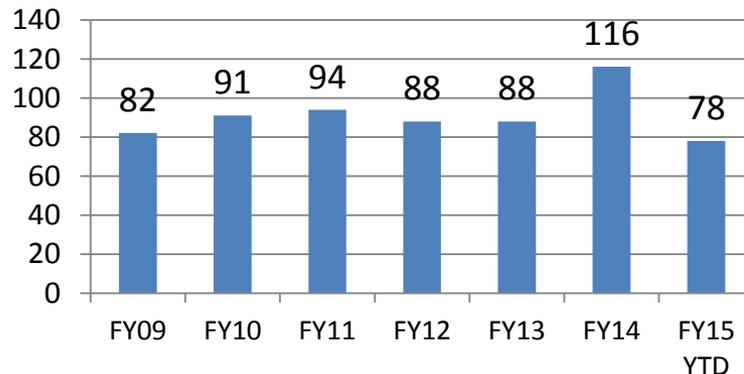
FY15 YTD - July 1, 2014 through **January 31, 2015**

	FY 2015 To Date	Diagnosis
1	189,373.83	Cancer
2	100,500.56	Lung cancer
3	64,191.07	Bone infection
4	54,737.54	Cancer
5	53,495.02	Benign inner ear tumor
6	52,136.66	Colon cancer
7	46,353.46	Liver disease
8	46,249.91	Kidney disease
9	42,742.30	Cancer
10	42,408.97	Hepatitis C
11	41,183.38	Cancer
12	40,957.09	Gallbladder removed
13	40,109.22	Multiple sclerosis
14	38,890.45	Heart disease
15	38,080.99	Liver disease
16	37,755.69	Seizures
17	37,271.68	Stroke
18	36,654.37	Trauma
19	36,401.25	Pneumonia
20	35,938.13	Trauma
21	35,214.24	Hepatitis C
22	34,557.29	Ulcerative colitis
23	33,661.77	Multiple sclerosis
24	33,177.82	Severe drug reaction
25	32,536.64	Repair of abdominal aortic aneurysm
<b>Grand Total</b>	<b>\$ 1,244,579.34</b>	



# Other Trends

- Increased cancer cases
  - FY13 - 17% of top 25 inmate costs
  - FY14 - 32% of top 25 inmate costs
  - FY15 YTD – 43% of top 25 inmate costs
- More inmates incurring higher costs
  - Number of inmates with healthcare costs greater than \$15,000



- FY13 per inmate cost range - \$15,233 - \$154,148
- FY14 per inmate cost range - \$15,238 - \$249,544

# Prescription Drugs

- Prescription cost increase due to sicker inmates
- Top 25 inmates – drugs only
  - FY13 - \$618,707
  - FY14 - \$795,406
    - 29% increase

<u>FACILITY</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>*FYTD 2015</u>
Pierre	480,514	424,870	485,443	460,664	463,129	267,879
Springfield	957,969	815,587	760,624	824,655	1,196,837	635,369
Sioux Falls	1,425,022	1,223,946	1,216,186	1,368,191	1,791,326	1,020,738
<b>Total</b>	<b>2,863,505</b>	<b>2,464,403</b>	<b>2,462,253</b>	<b>2,653,511</b>	<b>3,451,292</b>	<b>1,923,985</b>

\*FYTD – through January 31, 2015

# Hepatitis C

- Hepatitis C virus (HCV) is the most common chronic blood borne infection in the United States
- Hepatitis C is a slow progressing disease, with symptoms that may not appear for years. When left untreated, chronic Hepatitis C, can lead to liver damage and potentially even liver cancer.
- According to *The New England Journal of Medicine*, 1 in 6 inmates (or 17%) are infected.
- The introduction of Sovaldi in December, 2013 significantly changed treatment, but comes with a significant cost of \$1,000 per pill per day
- The cost to treat an inmate using Sovaldi is between \$90,000 or \$180,000, depending on patient genome type

Rich, MD, MPH, J., Allen, MD, S., & Williams, MD, B. (2014). Responding to Hepatitis C through the Criminal Justice System. *The New England Journal of Medicine*, 370(20), 1872-1874.

# Hepatitis C

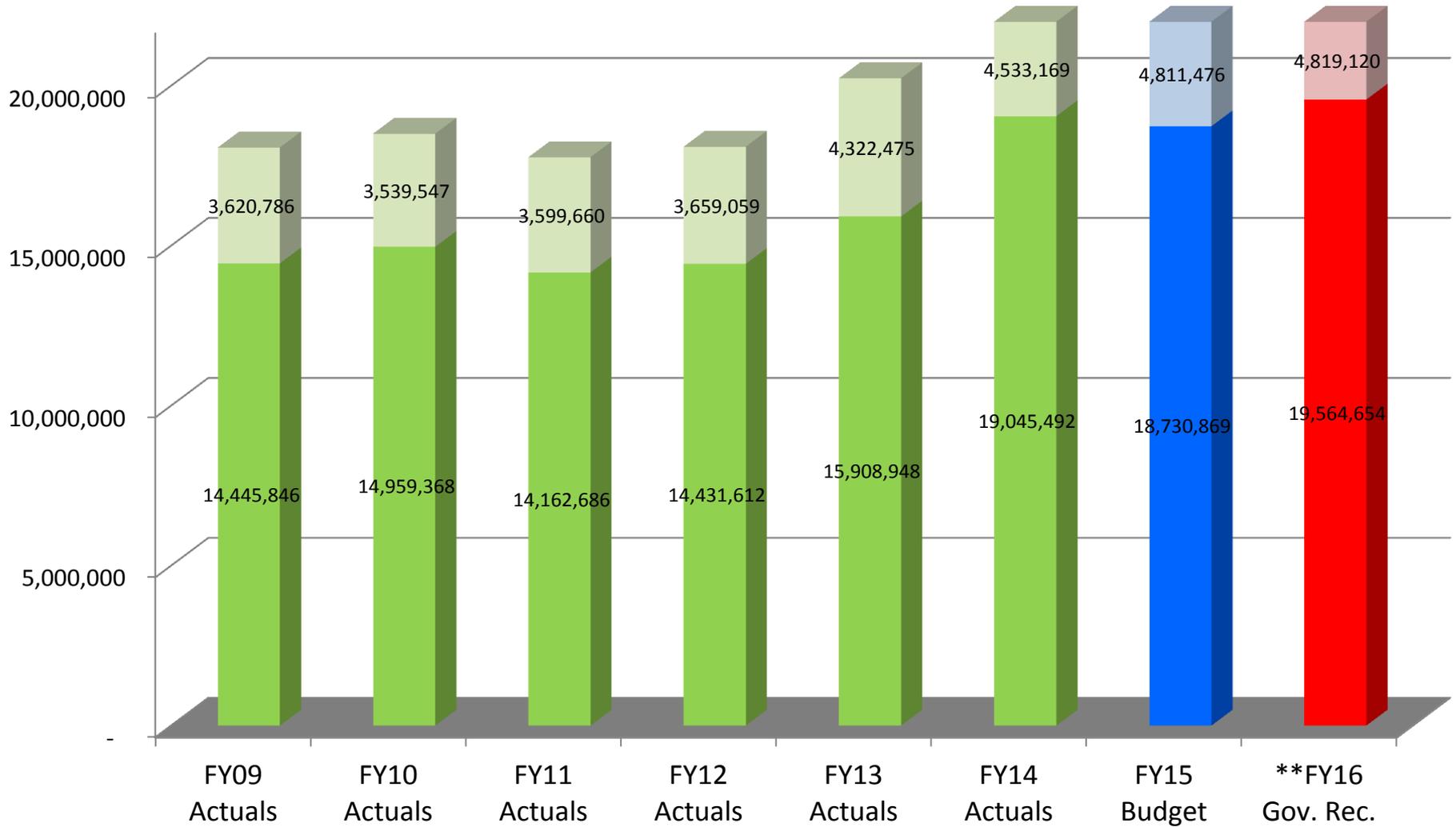
- 31 inmates being evaluated for treatment
- Inmates are evaluated on a case-by-case basis
- Level of disease (grade/stage/prognosis) is used to help determine treatment
- Length of sentence considered so inmate fully completes treatment and post-treatment follow-up

# Hepatitis C

- Three inmates currently on Hepatitis C medications, each at \$180,000 (total \$540,000)
- One inmate starting Hepatitis C medications in February, at \$90,000
- Two inmates entered pre-treatment monitoring phase, expected to start Hepatitis C medications in FY16

# Inmate Health Care Total Expenditures

DSS (light color) & DOH (dark color)



# FY16 Correctional Healthcare Recommended Budget

	FTE	GF	FF	OF	Total Funds
<b>DSS</b>					
FY15 Base Budget	67.5	2,953,204	140,619	1,717,653	4,811,476
2% Provider Inflation		990	-	6,654	7,644
<b>DSS TOTAL FY16 Recommended</b>	<b>67.5</b>	<b>2,954,194</b>	<b>140,619</b>	<b>1,724,307</b>	<b>4,819,120</b>
<b>DOH</b>					
FY15 Base Budget	87.0	-	-	18,730,869	18,730,869
2% Provider Inflation		-	-	21,756	21,756
Hepatitis C		-	-	500,000	500,000
Inflation		-	-	312,029	312,029
<b>DOH TOTAL FY16 Recommended</b>	<b>87.0</b>	<b>-</b>	<b>-</b>	<b>19,564,654</b>	<b>19,564,654</b>
<b>DSS Other Funds + DOH Other Funds FY16 Recommended = DOC Total Funds</b>	<b>154.5</b>	<b>2,954,194</b>	<b>140,619</b>	<b>21,288,961</b>	<b>24,383,774</b>
<b>DOC</b>					
FY15 Base Budget		19,982,155	-	466,367	20,448,522
2% Provider Inflation		28,410			28,410
Hepatitis C		500,000			500,000
Inflation		312,029			312,029
<b>DOC TOTAL FY16 Recommended</b>		<b>20,822,594</b>	<b>-</b>	<b>466,367</b>	<b>21,288,961</b>