

Colorado Division of Criminal Justice
Summer 2014
Interim Prison Population
Forecasts

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The Colorado Division of Criminal Justice Summer 2014 Interim Prison Population and Parole Caseload Projections and Interim Juvenile Commitment, Detention and Parole Projections

Introduction

The total prison population at the end of FY 2014 was 20,522, 0.2% or 40 inmates greater than projected by DCJ in December 2013. The majority of this discrepancy was due to error in the projection of the female inmate population. The male population at the end of FY 2014 was 18,619, 0.05% higher than the projected population of 18,610, a difference of 9 inmates. However, the female population at the end of FY 2014 was 1,903, 1.6% higher than the projected population of 1,872. Based on the recent trends in the prison population, very small adjustments have been made to the projected male prison population, while significantly greater adjustments have been made to the female prison population projection.

Additionally, the adult parole caseload declined at a greater rate than expected during FY 2014. The domestic caseload at the end of FY 2014 was 8,116, 2.0% higher than projected in December 2013, while the total parole caseload was 2.8% higher than projected, at 10,432. Therefore, the parole caseload estimates have been correspondingly modified.

The DCJ Winter 2013 juvenile commitment, detention and parole projections overestimated each of these populations by the end of fiscal year 2014. Therefore, these projections have each been lowered for fiscal years 2015 through 2018.

Interim Prison Population Projections

The projected male population was very close to that actually realized by the end of FY 2014, so very slight adjustments have been made to the forecast between fiscal years 2015 and 2020. The female population, however, grew at a significantly greater rate than expected over the past year, resulting in a sizable upward adjustment to the female prison population forecast. The combination of these modifications result in a modest increase in the total inmate population projection.

The number of women in prison fell by an average of 1.01% each month across FY 2012 and the first half of FY 2013. However, beginning in February of 2013, this trend reversed such that the average rate of growth increased to an average of 0.6% per month through the remainder of FY 2013 and throughout FY 2014. This trend appears to be primarily due to increasing numbers of new sentences to prison.

While the number of men with new sentences to prison increased across FY 2013, they fell off throughout FY 2014. This applies to both new court commitments and parole returns with new sentences. However, admissions of women did not follow this pattern of decline across FY 2014. Rather, after increasing throughout FY 2013, female admissions have remained relatively stable, close to the level attained by the end of FY 2013.

In an effort to explore the causes behind this increase in the numbers of women being sentenced to prison, sentencing data from the Judicial Branch were examined. Both direct sentences from court and probation revocations to prison increased in the second half of FY 2013, and have remained high through FY 2014. The average number of women sentenced to prison each month increased by 29.0% between calendar year 2012 and 2013, and by another 7.5% to date in calendar year 2014. This pattern appears to be consistent across conviction crime types, and across multiple jurisdictions in the state.

The DCJ interim quarterly and annual adjusted figures are displayed in Tables 1 and 2, below. Figure 1 depicts the actual year-end prison populations for fiscal years 2010 through 2014, and compares the DCJ December 2013 projection to the current interim projection. Figure 2 displays the same for the female prison population projection.

Table 1. DCJ Summer 2014 Interim Quarterly Adult Prison Population Projection

Calendar Year	End of month:	Total Population	Quarterly Growth	Male Population	Quarterly Growth	Female Population	Quarterly Growth
2013	June*	20,135	0.0%	18,355	0.0%	1,780	0.0%
2013	September*	20,260	0.6%	18,448	0.5%	1,812	1.8%
2013	December*	20,303	0.2%	18,461	0.1%	1,842	1.7%
2014	March*	20,385	0.4%	18,507	0.2%	1,878	2.0%
2014	June*	20,522	0.7%	18,619	0.6%	1,903	1.3%
2014	September	20,538	0.1%	18,620	0.0%	1,918	0.8%
2014	December	20,502	-0.2%	18,563	-0.3%	1,939	1.1%
2015	March	20,572	0.3%	18,599	0.2%	1,973	1.8%
2015	June	20,746	0.8%	18,737	0.7%	2,009	1.8%
2015	September	20,794	0.2%	18,791	0.3%	2,003	-0.3%
2015	December	20,696	-0.5%	18,707	-0.5%	1,989	-0.7%
2016	March	20,760	0.3%	18,775	0.4%	1,985	-0.2%
2016	June	20,921	0.8%	18,925	0.8%	1,996	0.6%
2016	September	21,056	0.6%	19,067	0.8%	1,989	-0.4%
2016	December	21,064	0.0%	19,084	0.1%	1,980	-0.5%
2017	March	21,148	0.4%	19,171	0.5%	1,978	-0.1%
2017	June	21,354	1.0%	19,338	0.9%	2,017	2.0%
2017	September	21,508	0.7%	19,478	0.7%	2,030	0.6%
2017	December	21,488	-0.1%	19,452	-0.1%	2,035	0.3%
2018	March	21,585	0.5%	19,523	0.4%	2,063	1.3%
2018	June	21,837	1.2%	19,754	1.2%	2,083	1.0%
2018	September	21,967	0.6%	19,866	0.6%	2,101	0.9%
2018	December	22,003	0.2%	19,911	0.2%	2,092	-0.4%
2019	March	22,140	0.6%	20,045	0.7%	2,095	0.1%
2019	June	22,351	1.0%	20,235	0.9%	2,116	1.0%
2019	September	22,523	0.8%	20,391	0.8%	2,132	0.8%
2019	December	22,536	0.1%	20,393	0.0%	2,143	0.5%
2020	March	22,719	0.8%	20,564	0.8%	2,155	0.6%
2020	June	22,868	0.7%	20,710	0.7%	2,158	0.1%

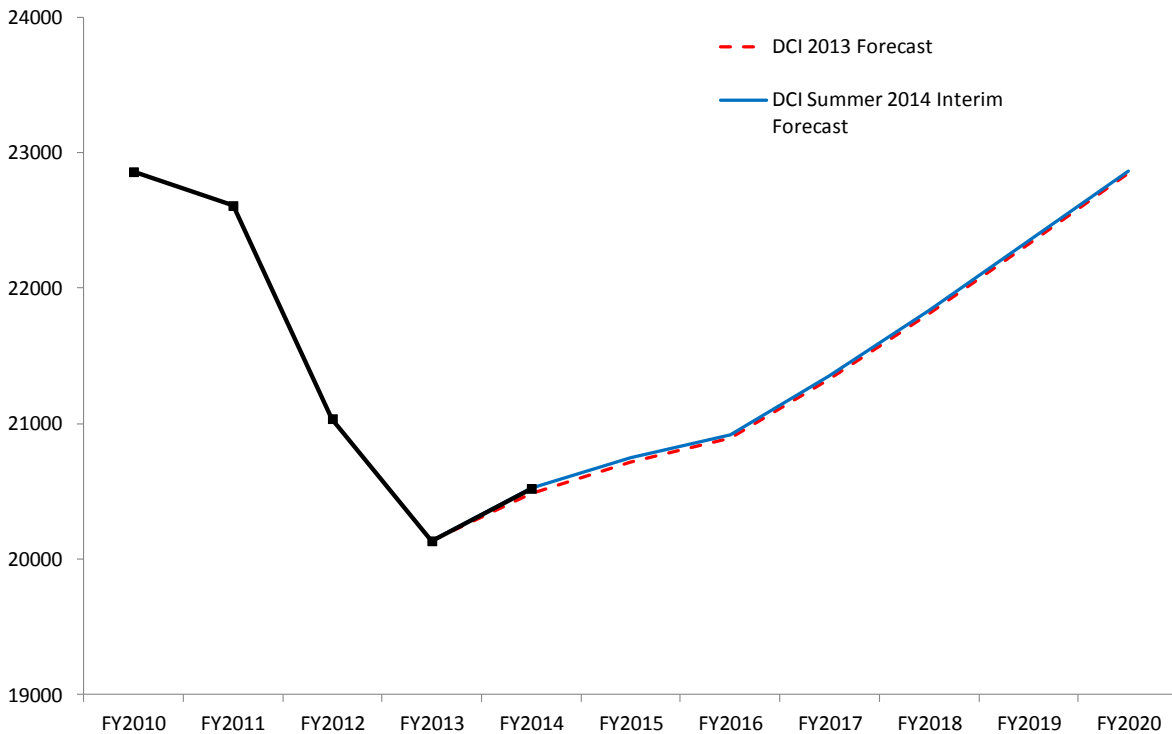
* Actual data provided by Colorado Department of Corrections Monthly Population and Capacity Reports, available at: <http://www.doc.state.co.us/statistical-reports-and-bulletins>

Table 2. DCJ Summer 2014 Interim Annual Adult Prison Population Projection

End of Fiscal Year	Total Population	Annual Growth	Male Population	Annual Growth	Female Population	Annual Growth
FY 2013*	20,135	-4.3%	18,355	-4.2%	1,780	-5.6%
FY 2014*	20,522	1.9%	18,619	1.4%	1,903	6.9%
FY 2015	20,746	1.1%	18,737	0.6%	2,009	5.5%
FY 2016	20,921	0.8%	18,925	1.0%	1,996	-0.6%
FY 2017	21,354	2.1%	19,338	2.2%	2,017	1.0%
FY 2018	21,837	2.3%	19,754	2.2%	2,083	3.3%
FY 2019	22,351	2.4%	20,235	2.4%	2,116	1.6%
FY 2020	22,868	2.3%	20,710	2.3%	2,158	2.0%

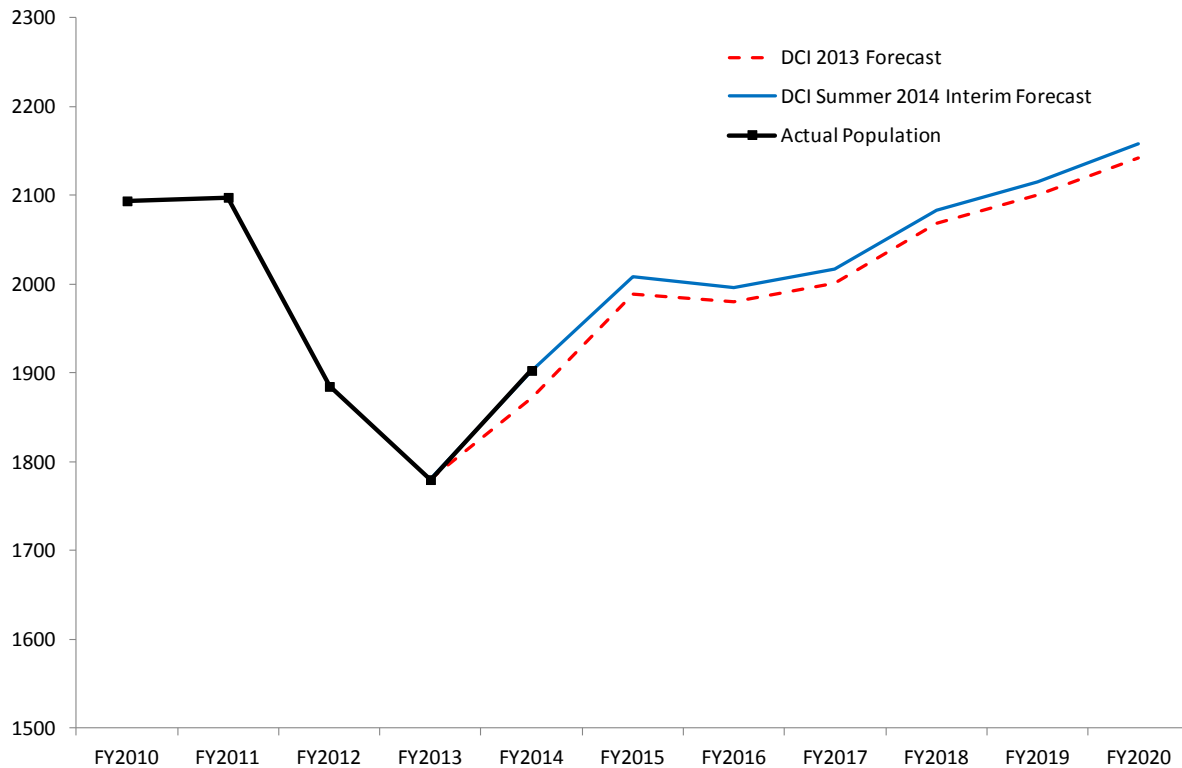
* Actual data provided by Colorado Department of Corrections Monthly Population and Capacity Reports, available at: <http://www.doc.state.co.us/statistical-reports-and-bulletins>

Figure 1. Total adult inmate population Fiscal Years 2010 through 2014, DCJ Winter 2013 Projection and Summer 2014 Interim Projection



Actual population data provided by Colorado Department of Corrections Monthly Population and Capacity Reports, available at: <http://www.doc.state.co.us/statistical-reports-and-bulletins>; DCI 2013 forecast details available in *Colorado Division of Criminal Justice Correctional Population Forecasts, December 2013*. Colorado Division of Criminal Justice, Denver, Colorado. Available at: <http://www.colorado.gov/ccjdir/ORS2/ppp.htm>

Figure 2: Female inmate population Fiscal Years 2010 through 2014, DCJ Winter 2013 Projection and Summer 2014 Interim Projection



Actual population data provided by Colorado Department of Corrections Monthly Population and Capacity Reports, available at: <http://www.doc.state.co.us/statistical-reports-and-bulletins>; DCJ 2013 forecast details available in *Colorado Division of Criminal Justice Correctional Population Forecasts, December 2013*. Colorado Division of Criminal Justice, Denver, Colorado. Available at: <http://www.colorado.gov/ccjdir/ORS2/ppp.htm>

Interim Parole Population Projection

The parole caseload fell more than had been expected in December 2013. The domestic caseload was projected to decline by 5.3%, whereas the actual rate of decline was 7.2%. The total parole caseload was expected to drop 6.1%, while the actual decline was 8.7%. This error is primarily due to an over-estimate in the number of discretionary parole releases.

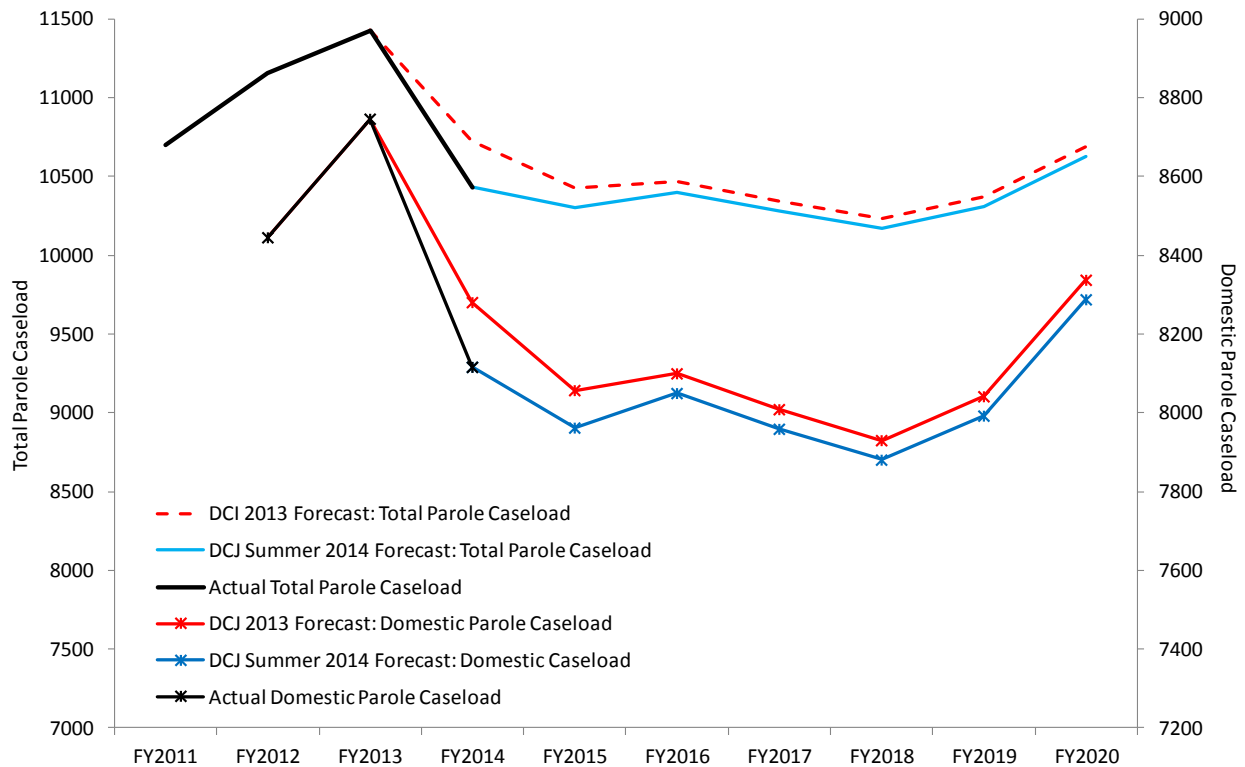
Based on these factors, the total and domestic caseload projections have been adjusted slightly downward.

Table 3. DCJ Summer 2014 Interim Total and Domestic Parole Caseload Projection

End of Fiscal Year	Total Parole Caseload	Annual Growth	Domestic Parole Caseload	Annual Growth
FY 2013*	11,426	2.4%	8,746	3.8%
FY 2014*	10,432	-8.7%	8,116	-7.2%
FY 2015	10,300	-1.3%	7,962	-1.9%
FY 2016	10,400	1.0%	8,049	1.1%
FY 2017	10,280	-1.2%	7,959	-1.1%
FY 2018	10,168	-1.1%	7,880	-1.0%
FY 2019	10,306	1.4%	7,992	1.4%
FY 2020	10,625	3.1%	8,287	3.7%

* Actual data provided by Colorado Department of Corrections Monthly Population and Capacity Reports, available at: <http://www.doc.state.co.us/statistical-reports-and-bulletins>

Figure 3: Domestic and total parole caseload Fiscal Years 2011 through 2014, DCJ Winter 2013 Projection and Summer 2014 Interim Projection



Actual population data provided by Colorado Department of Corrections Monthly Population and Capacity Reports, available at: <http://www.doc.state.co.us/statistical-reports-and-bulletins>; DCJ 2013 forecast details available in *Colorado Division of Criminal Justice Correctional Population Forecasts, December 2013*. Colorado Division of Criminal Justice, Denver, Colorado. Available at: <http://www.colorado.gov/ccjdir/ORS2/ppp.htm>

Interim Juvenile Commitment, Detention and Parole Projections

The DCJ Winter 2013 juvenile commitment projections overestimated the year to date average daily population (ADP) at the end of fiscal year 2014 by 1.7%, and the number of new commitments to DYC by 4.4%. The commitment ADP was expected to decrease by 4.7%, while the actual rate of decline was 6.3%.

Additionally, the juvenile detention ADP was overestimated by 2.5%, and the juvenile parole year-end average daily caseload (ADC) was overestimated by 2.4%. Therefore, the projections for each of these populations between FY 2015 and FY 2018 have been accordingly adjusted, and are displayed in Tables 4 through 7.

Table 4. DCJ Summer 2014 Interim Quarterly Juvenile Commitment Average Daily Population Projection, FY 2013 Through FY 2018

Calendar Year	Quarter Ending	YTD ADP ¹ Forecast	Quarterly Growth
2013	June*	851.0	-1.0%
2013	September*	797.2	-6.3%
2013	December*	805.9	1.1%
2014	March*	801.9	-0.5%
2014	June*	797.4	-0.6%
2014	September	760.7	-4.6%
2014	December	759.4	-0.2%
2015	March	750.3	-1.2%
2015	June	744.3	-0.8%
2015	September	710.8	-4.5%
2015	December	708.7	-0.3%
2016	March	700.9	-1.1%
2016	June	696.0	-0.7%
2016	September	666.7	-4.2%
2016	December	665.4	-0.2%
2017	March	658.7	-1.0%
2017	June	652.8	-0.9%
2017	September	627.4	-3.9%
2017	December	625.5	-0.3%
2018	March	619.8	-0.9%
2018	June	616.1	-0.6%

¹ Year to date average daily population.

* Actual average daily population: Data source CDHS DYC Monthly Population Reports, available at <http://www.colorado.gov/cs/Satellite/CDHS-ChildYouthFam/CBON/1251581932067>.

Table 5. DCJ Summer 2014 Interim Juvenile Commitment Fiscal Year-End Average Daily Population and New Admissions Projections, FY 2013 Through FY 2018

End of Fiscal Year	YTD ADP ¹ Forecast	Annual Growth	Annual DYC Admissions	Annual Growth
FY 2013*	851.0	-13.4%	488	-8.4%
FY 2014*	797.4	-6.3%	474	-2.9%
FY 2015	744.3	-6.7%	439.4	-7.3%
FY 2016	696.0	-6.5%	400.2	-8.9%
FY 2017	652.8	-6.2%	370.8	-7.3%
FY 2018	616.1	-5.6%	320.0	-13.7%

¹ Year to date average daily population.

* Actual average daily population: Data source CDHS DYC Monthly Population Reports, available at <http://www.colorado.gov/cs/Satellite/CDHS-ChildYouthFam/CBON/1251581932067>.

Table 6. DCJ Summer 2014 Interim Quarterly Juvenile Detention Fiscal Year-End Average Daily Population Projection, FY 2013 Through FY 2018

Calendar Year	Quarter Ending	YTD ADP ¹ Forecast	Quarterly Growth
2013	June*	307.6	1.0%
2013	September*	304.9	-0.9%
2013	December*	295.0	-3.2%
2014	March*	292.0	-1.0%
2014	June*	290.6	-0.5%
2014	September	282.3	-2.9%
2014	December	273.6	-3.1%
2015	March	272.0	-0.6%
2015	June	271.2	-0.3%
2015	September	261.7	-3.5%
2015	December	253.1	-3.3%
2016	March	251.5	-0.6%
2016	June	250.7	-0.3%
2016	September	242.2	-3.4%
2016	December	234.7	-3.1%
2017	March	233.1	-0.7%
2017	June	232.6	-0.2%
2017	September	225.6	-3.0%
2017	December	220.0	-2.5%
2018	March	218.7	-0.6%
2018	June	218.3	-0.2%

¹ Year to date average daily population.

* Actual average daily population: Data source CDHS DYC Monthly Population Reports, available at <http://www.colorado.gov/cs/Satellite/CDHS-ChildYouthFam/CBON/1251581932067>.

Table 7. DCJ Summer 2014 Interim Juvenile Detention Fiscal Year-End Average Daily Population Projection, FY 2013 Through FY 2018

End of Fiscal Year	YTD ADP ¹ Forecast	Annual Growth
<i>FY 2013*</i>	<i>307.6</i>	<i>-2.8%</i>
<i>FY 2014*</i>	<i>290.6</i>	<i>-5.5%</i>
FY 2015	271.2	-6.7%
FY 2016	250.7	-7.5%
FY 2017	232.6	-7.2%
FY 2018	218.3	-6.1%

¹Year to date average daily population.

*Actual average daily population: Data source CDHS DYC Monthly Population Reports, available at <http://www.colorado.gov/cs/Satellite/CDHS-ChildYouthFam/CBON/1251581932067>.

Table 8. DCJ Summer 2014 Interim Juvenile Parole Fiscal Year-End Average Daily Caseload Projection, FY 2013 Through FY 2018

End of Fiscal Year	YTD ADC ¹ Forecast	Annual Growth
<i>FY 2013*</i>	<i>331.6</i>	<i>-8.8%</i>
<i>FY 2014*</i>	<i>281.3</i>	<i>-15.2%</i>
FY 2015	267.1	-5.1%
FY 2016	254.4	-4.8%
FY 2017	243.0	-4.5%
FY 2018	227.1	-6.5%

¹Year to date average daily caseload.

*Actual average daily caseload: Data source CDHS DYC Monthly Population Reports, available at <http://www.colorado.gov/cs/Satellite/CDHS-ChildYouthFam/CBON/1251581932067>.