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TIME FROM CASE FILING TO MOST RECENT FELONY INDICTMENT AND CASE FILING TO MOST RECENT MISDEMEANOR SENTENCE IN DISTRICT CRIMINAL CASES FY 2023-2024 STATEWIDE

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## Statistics Request Overall Description

On July 17, 2024, Research and Statistics received a request from the Kentucky County Attorneys Association for an aggregate report on the length of time from arrest to indictment for felony charges in District Court and the length of time from arrest to sentencing for misdemeanor charges sentenced in District Court during fiscal years (FY) 2023 and 2024.

The CourtNet database, which provides a summary of cases statewide, was queried for felony charges disposed as *Indicted* from 7/1/2022 – 6/30/2024 and convicted misdemeanor charges with a Sentence Date from 7/1/2022 – 6/30/2024 in District Criminal cases. Case Filing Date was used as the start date when calculating the length of time to indictment or sentencing.

The statistical data are visualized using:

- *Cross-tabulations* used to quantitatively analyze the data relationship between multiple variables in a table to provide the correlation between those different variables.

- *Horizontal Stacked Bar Charts* visualize the time from filing to latest felony indictment or latest misdemeanor conviction of cases through segmented rectangular bars. Each bar represents a specified subset of cases, which are further separated into segments based on time to latest felony indictment or latest misdemeanor conviction. The length of each segment represents the proportion of cases within a bar that fall into that segment.

- *Box-and-Whisker Plots* visually display the time to disposition (in days) distribution. Below is an example of how to read a box-and-whisker plot.
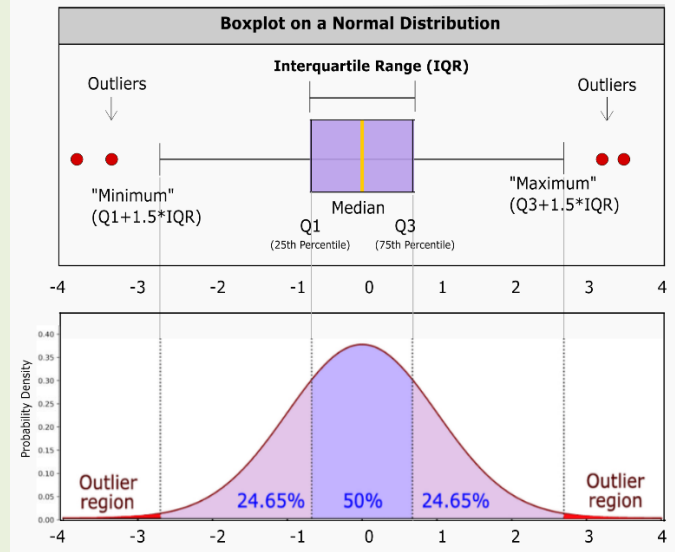
The box-and-whisker plot shows how the data is distributed. It provides the following information:

- o   Q1: The first quartile (25%) position is represented by the far left-hand edge of the box.
- o   Q3: The third quartile (75%) position is the far right-hand edge of the box.
- o   The median is represented by the vertical bar within the box, position between Q1 and Q3.
- o   Interquartile range (IQR): a measure of statistical dispersion, being equal to the difference between 75th and 25th percentiles. The IQR represents how 50% of the points were dispersed.
- o   Lower and upper whiskers: These lines represent the limits and boundaries for outliers. The lower whisker is Q1 – 1.5*IQR or the minimum, whichever is higher, and the upper whisker is Q3 + 1.5*IQR or the maximum, whichever is lower.
- o   Outliers: Defined as observations that fall below Q1 – 1.5 IQR or above Q3 + 1.5 IQR.

Note on Outliers displayed within the Box-and-Whiskers Plot:
Data sets can sometimes contain <u>outliers</u> that are suspected to be anomalies (errors). If outliers are present, the whisker on the appropriate side is drawn to 1.5 * Inter-Quartile Range (<u>IQR</u>) rather than the data minimum or the data maximum. Small lines on the chart to indicate where suspected outliers fall.

TIME FROM CASE FILING TO MOST RECENT FELONY INDICTMENT AND CASE FILING TO MOST RECENT MISDEMEANOR SENTENCE IN DISTRICT CRIMINAL CASES FY 2023-2024 STATEWIDE

Statistical Report (24_RS6046)

The report consists of four (4) pages of data aggregations. The first two pages display information pertaining to cases with at least one District Criminal felony charge indicted during fiscal years 2023 and 2024. The last two pages display information pertaining to cases with at least one misdemeanor charge sentenced in District Court during fiscal years 2023 and 2024.

Page 1: Provides a horizontally stacked bar chart **(Chart 1)** representing District Criminal cases containing at least one felony charge that was indicted from FY 2023-2024, grouped by time from case filing to each case's most recent felony indictment within the specified time frame (in days). Periods of time following Case Filing Date are grouped and labelled as shown below:

Number of Days	Label
0-30	Up to 30 Days
31-90	Up to 3 Months
91-180	Up to 6 Months
181-270	Up to 9 Months
271-365	Up to 1 Year
366-548	Up to 18 Months
549-730	Up to 2 Years
More than 730	Over 2 Years

The size of the bar represents the percentage of cases that fall into that group. The groups are progressively color shifted from blue to red based on the number of days pending, with dark blue representing fewer days pending and dark red representing more days pending. The cross tabulation **(Table 1)** provides the aggregate counts from the groups used in Chart 1.

Page 2: Provides a box and whisker plot **(Chart 2)** with the time from case filing to the latest felony indictment within the specified time frame (in days) for District Criminal cases. The size of the mark on the horizontal axis represents the number of cases having the same number of days measured since Case Filing Date. 262 cases with a time to latest felony indictment longer than 1,400 days are not displayed in this chart. Also provided is a cross tabulation **(Table 2)** that provides a total count of applicable cases as well as the average (mean), standard deviation, and four percentiles (25th, Median/50th, 75th, and 90th) of time to latest felony indictment (in days) as seen in Chart 2.

Page 3: Provides a horizontally stacked bar chart **(Chart 3)** representing District Criminal cases containing at least one misdemeanor charge with a Sentence Date from FY 2023-2024, grouped by time from case filing to each case's most recent misdemeanor sentenced within the specified time frame (in days). Cases are depicted using the same groups and presentation as was used in Chart 3. The cross tabulation **(Table 3)** provides the aggregate counts from groups found in Chart 3.

Page 4: Provides a box and whisker plot **(Chart 4)** with the time from case filing to the latest misdemeanor sentencing within the specified time frame (in days) for District Criminal cases presented in the same manner as used in Chart 4. 2,534 cases with a time to latest misdemeanor sentence longer than 1,400 days are not displayed in this chart. Also provided is a cross tabulation

TIME FROM CASE FILING TO MOST RECENT FELONY INDICTMENT AND CASE FILING TO MOST RECENT MISDEMEANOR SENTENCE IN DISTRICT CRIMINAL CASES FY 2023-2024 STATEWIDE

Statistical Report (24_RS6046)

(Table 4) that provides an overall count of applicable cases as well as the average (mean), standard deviation, and four percentiles (25th, Median/50th, 75th, and 90th) of time to latest felony indictment (in days) as seen in Chart 4.

Statistical Analysis Considerations:
- ➤ These statistics represent a snapshot in time, as of the date the data was queried (8/2/2024).
- ➤ Counts of cases do not necessarily represent counts of unique individuals as the same defendant may appear in multiple cases.

Data Variables Requested
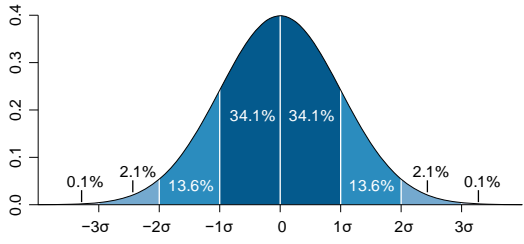
Database	Data Variable	Description
CourtNet	Charge Disposition Date	The date each charge was disposed. Charge Disposition Date is reported by Fiscal Year. Pages 1 and 2 of this report are limited to cases with at least one felony charge with an indictment disposition date during fiscal years 2023 or 2024. Pages 3 and 4 are limited to cases with at least one misdemeanor charge with a conviction (*Guilty, Guilty – Multiple Counts, Guilty – Sealed Sentence,* or *Prepaid*).
	Sentence Date	The date each charge was disposed. Charge Disposition Date is reported by Fiscal Year. Pages 3 and 4 of this report are limited to cases with at least one misdemeanor charge with a sentencing date during fiscal years 2023 or 2024.
	Jurisdiction	The jurisdiction in which each case was disposed (Circuit or District). This report is limited to district court cases.
	Cases	A count of distinct cases.
	Time to Felony Indictment	The number of days between a case's filing date and the latest felony indictment disposition date occurring between 7/1/2022 and 6/30/2024.
	Time to Misdemeanor Sentencing	The number of days between a case's filing date and the latest misdemeanor sentencing date occurring between 7/1/2022 and 6/30/2024.
	Percentile	In this report, the kth percentile is the value which k% of cases have a pending age below. All percentiles are rounded to the nearest whole number. The 25th percentile is also known as the first Quartile (Q_1), the 50th percentile as the *median* or second quartile (Q_2), and the 75th percentile as the third quartile (Q_3).

Data Variables Requested		
		For example, the 50th percentile (median) is the value *at or below* which 50% of the cases have a time in the distribution are found. The 50th percentile of the time in days from case filing date to case disposition date for circuit criminal cases was 197 days. Thus, 50% of pending circuit criminal cases were pending for less than 197 days, and 50% of circuit criminal cases were pending for more than 197 days.
	25th Percentile	The 25th percentile is the value which 25% of cases have a pending age below, and 75% of cases have a pending age above.
	Median or 50th Percentile	Median (50th Percentile) length of time. *Median* time is the number of days that falls midway between the shortest and longest time to disposition for the cases. Within each category, 50% of cases have a case length longer than the 50th percentile (median) and 50% have a case length shorter than the 50th percentile. The median may be a better normative indicator for an exponential distribution of case lengths than the mean. Note: If the set has an odd number of numbers, the median is simply the middle number; e.g., the median of 2, 4, and 7 is 4. If the set has an even number of numbers, the median is the mean of the two middle numbers; e.g., the median of 2, 4, 7, and 12 is 5.5 (4 plus 7 divided by 2).

Type	Description	Example	Result
Average (Arithmetic Mean Mean)	Sum of values of a data set divided by number of Values:	(1+2+2+3+4+7+9) / 7	4
Median (50th Percentile)	Middle value separating the greater and lesser halves of a data set	Example 1: 1, 2, 2, 3, 4, 7, 9 Example 2: 1, 2, 3, 4, 5, 6, 8, 9	Example 1: 3 Example 2: Mean = (4+5)÷2=4.5

	75th Percentile	The 75th percentile is the value which 75% of cases have a pending age below, and 25% of cases have a pending age above.
	90th Percentile	The 90th percentile is the value which 90% of cases have a pending age below, and 10% of cases have a pending age above.
	Average	The average, or arithmetic mean, is the sum of all of a value over all members of a group divided by the number of members in that group. For a normal distribution (see below), this represents a normal value for the group. But for a tailed distribution of values – many small numbers with a few very high outliers – such as is represented in this report, the average will tend to be higher than most of the individual values.

Data Variables Requested		
	Standard Deviation	Standard Deviation is a measure of dispersion indicating of how the values in each category tend to vary from the mean. It is calculated as the square root of the average squared difference from the mean. By M. W. Toews - Own work, based (in concept) on figure by Jeremy Kemp, on 2005-02-09, CC BY 2.5, https://commons.wikimedia.org/w/index.php?curid=1903871
	Charge Level	The offenses are classified for the purpose of sentencing penalty level of the offense. The charge level is determined by the UOR's ASCF code. Charge levels by highest to lowest include: • **Felony:** A serious criminal offense punished by at least one year of prison incarceration or death. • **Misdemeanor:** A criminal offense less serious than a felony punished by less than one year of confinement in a county jail. • **Violation:** A criminal offense published only by a fine or penalty other than those specified above. • **Other:** A UOR code used for administrative purposes, Uniform Juvenile Code (UJC) offenses or that does not indicate a typical criminal offense. Examples include Contempt of Court and Violation of Release Conditions. Note: Penalties including fines may be associated with offenses of any penalty level.
	Charge Disposition Category	Charge dispositions are grouped into the following categories: **Acquitted** • ACQ – Acquitted • NG – Not Guilty **Amended** • AD – Amended Down • AGJ – Amended Down by Grand Jury • AMEND – Amended • AU – Amended Up • AUGJ – Amended Up by Grand Jury **Convicted** • G – Guilty • GM – Guilty - Multiple Counts

Data Variables Requested		
		• GSS – Guilty - Sealed Sentence • PRPD – Prepaid **Dismissed** • CAD – Dismissal by Motion of Prosecutor • DD – Dismissed Diverted • DDP – Dismissed Deferred Prosecution • DEC – Deceased • DGJ – Dismissed After Present to Grand Jury • DIS – Dismissed • DWP – Dismissed with Prejudice • HNG – Hung Jury • INC – Incompetent to Stand Trial • MST - Mistrial • NGJ – No Action Taken by Grand Jury • NTB – No True Bill Returned by Grand Jury • PAR – Pardon - Prior to Adjudication Only • PRDIS – Pre-Payable Citation Dismissed • SAV – Set Aside/Voided • VAC – Vacated Judgment • VEFC – Vacated Expunged Felony Conviction • VSC – Void Sealed Conviction • WD - Withdrawn **Diverted** • DIV – Diversion • DP – Deferred Prosecution • PTD – Pretrial Diversion **FTA/FTV/AP** • AP – Administrative Procedure • FTA – Failure to Appear • FTV – Fugitive **Indictment** • IND – Indictment by Grand Jury / Information **Other** • AFF - Affirmed • DEN – Denied • ENH – Enhanced • EXT – Extradition • GDJ – Grand Jury • GNT - Granted • MER – Merged • PCB – Peace Bond

Data Variables Requested		
		• OTH – Other • REM - Remanded • REV – Reversed • SR – Sealed Records • TRF – Transfer • TRFD – Drug Court Transfer Any disposition code inappropriate to adult criminal charges applied erroneously. Pages 1 and 2 of this report are limited to cases with at least one indicted felony charge. Pages 3 and 4 are limited to cases with at least one convicted misdemeanor charge that was sentenced.

Disclaimer Associated with KCOJ/AOC Database(s) and Element(s)

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Maximum Felony Indictment Date of District Court Cases with at least One Felony Indictment
Among District Criminal Cases Including at least One Felony Charge Indicted FY 23-24 Statewide

Up to 30 Days	Up to 3 Months	Up to 6 Months	Up to 9 Months	Up to 1 Year	Up to 18 Months	Up to 2 Years	Over 2 Years
0-30 Days	31-90 Days	91-180 Days	181-270 Days	271-365 Days	366-548 Days	549-730 Days	> 730 Days

Chart 1: Distribution of <u>District Criminal</u> Cases with at least One Felony Indictment by Time from Case Filing to Maximum Felony Indictment Date in Days

0-30 Days
21.3%
11,957 Cases

31-90 Days
52.8%
29,599 Cases

91-180 Days
15.5%
8,678 Cases
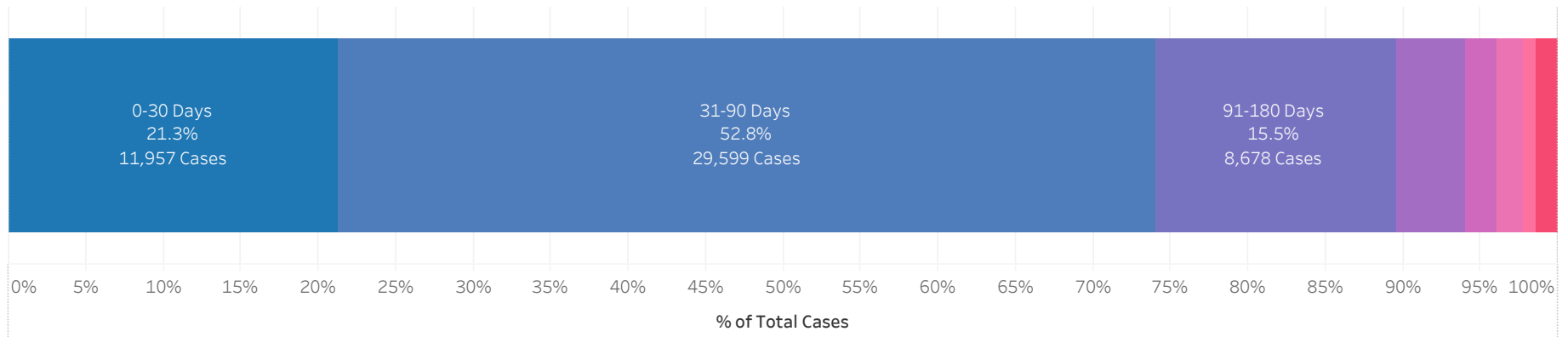
% of Total Cases

Table 1: Distribution of <u>District Criminal</u> Cases with at least One Felony Indictment by Time from Case Filing to Maximum Felony Indictment Date in Days

	0-30 Days	31-90 Days	91-180 Days	181-270 Days	271-365 Days	366-548 Days	549-730 Days	> 730 Days	Grand Total
Cases	11,957	29,599	8,678	2,508	1,158	957	426	806	56,089
% of Total Cases	21.3%	52.8%	15.5%	4.5%	2.1%	1.7%	0.8%	1.4%	100.0%

Maximum Felony Indictment Date of District Court Cases with at least One Felony Indictment
Among District Criminal Cases Including at least One Felony Charge Indicted FY 23-24 Statewide

Chart 2: Distribution of <u>District Criminal</u> Cases with at least One Felony Indictment by Time from Case Filing to Maximum Felony Indictment Date in Days

Median: 56 Days

Days from Case Filing Date to Max. Felony Indictment Disposition Date
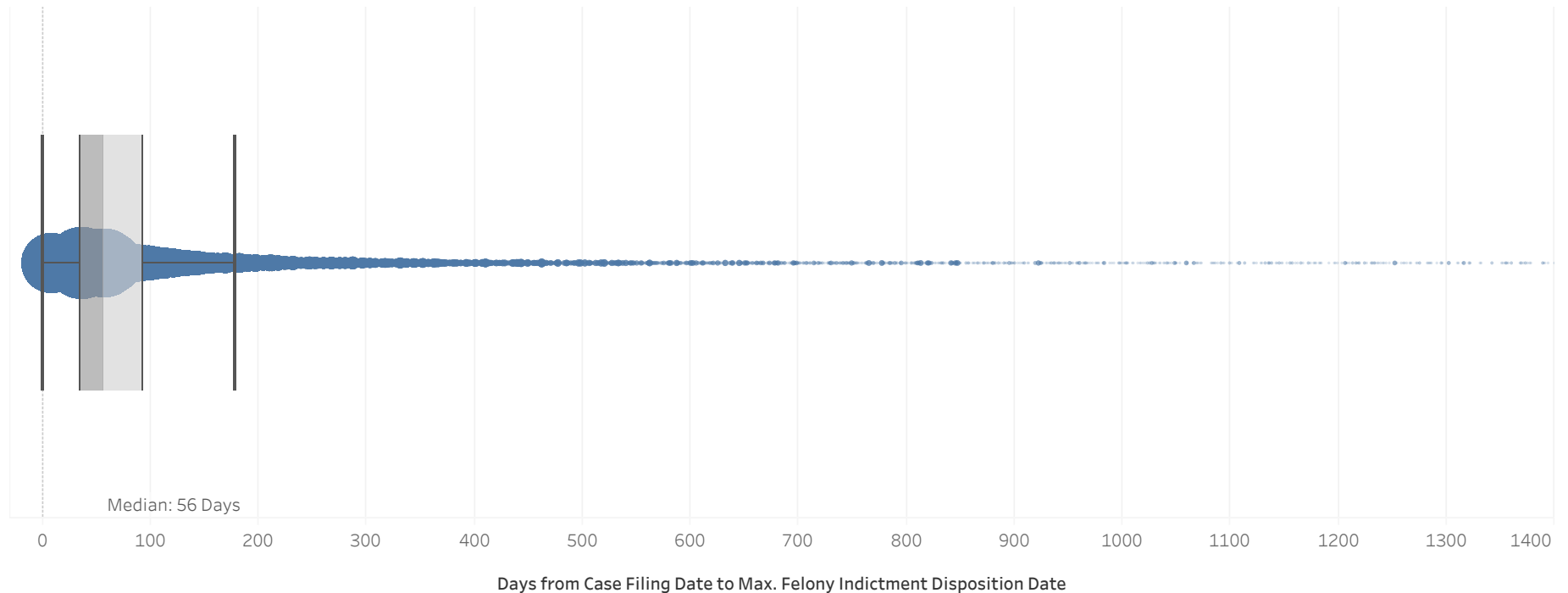
262 outliers greater than 1,400 days not shown.

Table 2: Count, Average, Standard Deviation, and Percentiles of Time to Maximum Felony Indictment for <u>District Criminal</u> Cases with at least One Felony Indictment by Time from Case Filing to Maximum Felony Indictment Date in Days

Cases	25% Disposed Within	50% Disposed Within	75% Disposed Within	90% Disposed Within	Average Days from Filing to Disposition	Std. dev. of Days from Filing to Disposition
56,089	35 Days	56 Days	93 Days	186 Days	101	212 Days

Statistical Analysis Considerations
* Data is provided from the CourtNet database.
* Days to latest felony indictment is calculated as the number of days from a case's Filing Date to the latest Charge Disposition Date of a Felony Charge disposed as Indictment within the case that occured between 7/1/2022 and 6/30/2024.

ADMINISTRATIVE OFFICE OF THE COURTS
## Research and Statistics

Maximum Misdemeanor Sentencing Date of District Court Cases with at least One Misdemeanor Conviction
Among District Criminal Cases Including at Least one Misdemeanor Charge Sentenced FY 23-24 Statewide

Up to 30 Days	Up to 3 Months	Up to 6 Months	Up to 9 Months	Up to 1 Year	Up to 18 Months	Up to 2 Years	Over 2 Years
0-30 Days	31-90 Days	91-180 Days	181-270 Days	271-365 Days	366-548 Days	549-730 Days	> 730 Days
■	■	■	■	■	■	■	■

Chart 3: Distribution of <u>District Criminal</u> Cases with at least One Sentenced Misdemeanor by Time from Case Filing to Maximum Misdemeanor Sentencing Date in Days

Table 3: Distribution of <u>District Criminal</u> Cases with at least One Sentenced Misdemeanor by Time from Case Filing to Maximum Misdemeanor Sentencing Date in Days
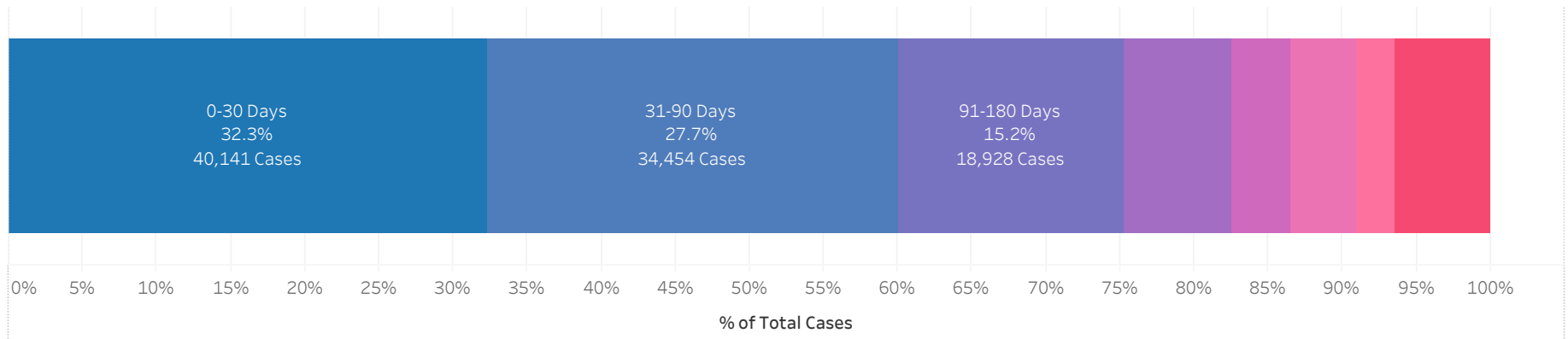
	0-30 Days	31-90 Days	91-180 Days	181-270 Days	271-365 Days	366-548 Days	549-730 Days	> 730 Days	Grand Total
Cases	40,141	34,454	18,928	8,998	4,944	5,498	3,314	7,969	124,246
% of Total Cases	32.3%	27.7%	15.2%	7.2%	4.0%	4.4%	2.7%	6.4%	100.0%

Statistical Analysis Considerations

* Data is provided from the CourtNet database.
* Days to latest misdemeanor sentence is calculated as the number of days from a case's Filing Date to the latest Sentence Date for a convicted Misdemeanor Charge that occured between 7/1/2022 and 6/30/2024.

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Research and Statistics

Maximum Misdemeanor Sentencing Date of District Court Cases with at least One Misdemeanor Conviction
Among Misdemeanor Charges Sentenced FY 23-24 Statewide

Chart 4: Distribution of <u>District Criminal</u> Cases with at least One Sentenced Misdemeanor Conviction by Time from Case Filing to Maximum Misdemeanor Sentence Date in Days

Median: 60 Days

Max. Days from Filing to Sentencing
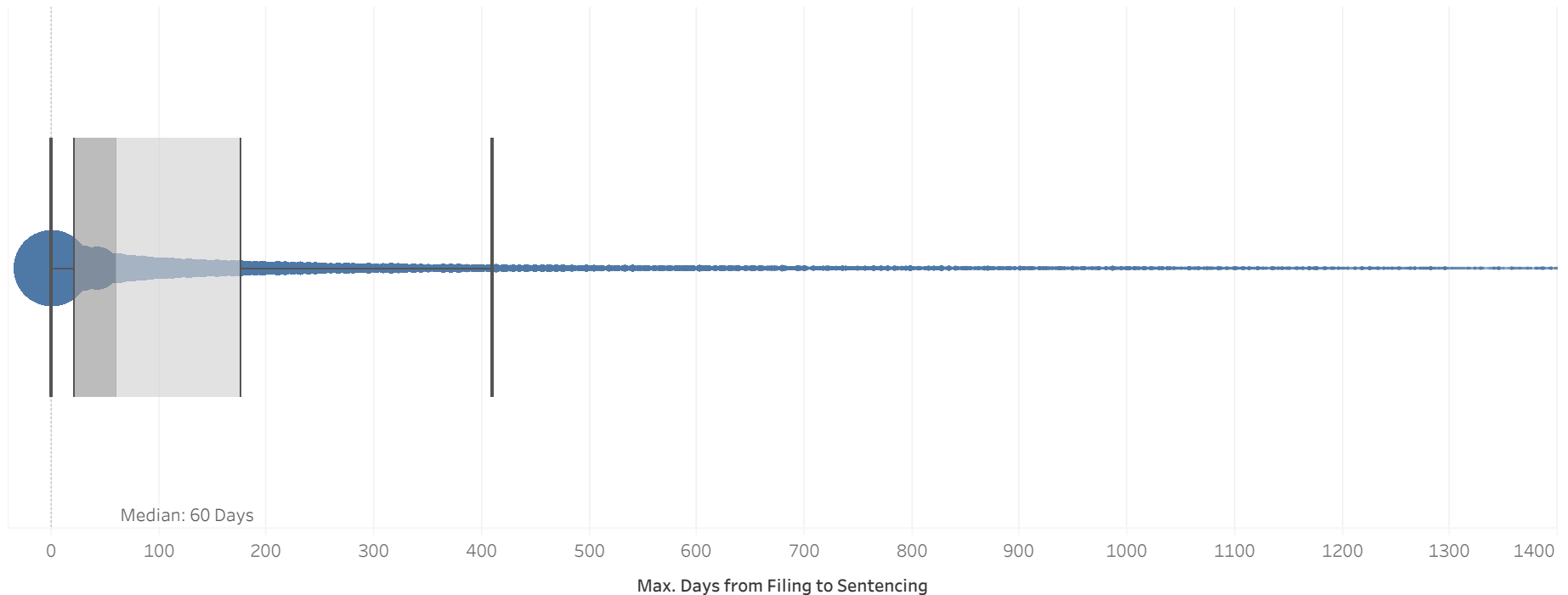
2,534 outliers greater than 1,400 days not shown.

Table 4: Count, Average, Standard Deviation, and Percentiles of Time to Maximum Misdemeanor Sentencing Date for <u>District Criminal</u> Cases with at least One Sentenced Misdemeanor by Time from Case Filing to Maximum Misdemeanor Sentencing Date in Days

Cases	25% Sentenced Within	50% Sentenced Within	75% Sentenced Within	90% Sentenced Within	Average Days from Filing to Sentencing	Std. dev. of Days from Filing to Sentencing
124,246	22 Days	60 Days	177 Days	498 Days	196	423 Days

Statistical Analysis Considerations
* Data is provided from the CourtNet database.
* Days to latest misdemeanor sentence is calculated as the number of days from a case's Filing Date to the latest Sentence Date for a convicted Misdemeanor Charge that occured between 7/1/2022 and 6/30/2024.