**COVID-19 Supply Graph Methodology**

To find the numbers for our graphs, we used two different types of data updates from Community Care Licensing (CCL) Division of the California Department of Social Services (DSS):

1. Monthly Updates: permanent closures and opened providers
2. Weekly COVID-19 temporary closures list: a cumulative list that includes all temporary closed providers at that given point. Since we were comparing months, we picked an update file from the middle of each month. The update files we used were:
	* March 20, 2020
	* April 20, 2020
	* May 20, 2020
	* June 18, 2020
	* July 16, 2020
	* August 14, 2020
	* September 18, 2020
	* October 22, 2020
	* November 19, 2020
	* December 17, 2020
	* January 21, 2021

To calculate monthly totals, we subtracted temporary and permanent closures, and added in newly opened and reopened providers. The definitions are as follows:

* Permanent closures: closures included in the regular monthly updates, not necessarily related to COVID.-19.
* Temporary closures: closures included in the weekly COVID-19 temporary closures list. By comparing a month to the previous month’s file, any provider that was not included in the previous month’s closures list was a newly closed provider.
* Reopened provider: a provider that was previously temporarily closed due to COVID-19 and included in the temporary closures list. If a provider was included in the previous month’s temporary COVID closures list, but not this month’s, the provider has reopened.
* Newly opened provider: a provider that did not have a license before. These providers are separate from the COVID closures list.

Example:

July 2020’s COVID temporary closures list contains providers A, B, C, D, E.

August 2020’s COVID temporary closures list contains providers B, C, D, E, F, G.

Reopened provider: A

Newly temporary closed providers: F, G

Net change: -1

A few things to note:

* Centers can have multiple licenses and therefore number of licenses differs from the number of facilities.
* We removed duplicates from March and April’s CCL temporary COVID-19 closures list.
* Our graphs do not include inactive providers. Inactive providers are those who haven't permanently closed but are not caring for children.