



GDL Framework Data Input Template

Establishing the need: License plate identifiers
(decals) for initial license holders

Introduction

Data illustrating the size or prevalence of a problem is essential to inform decision-making regarding elements of the Graduated Driver Licensing (GDL) Framework that may be relevant in each jurisdiction. This general tool was developed to help states gather important data indicators that are useful to support license plate identifiers.

Each data input template has an associated answer template. The data input template helps calculate the numbers you will need, and the answer template summarizes all the answers from the data template for ease of analysis. The data metrics are part of a suggested template and can be modified if more practical metrics exist. (e.g., other age groups, range of data years or a rolling average when values are small). Please consult with data management or statistical analysis staff in your agency when interpreting the results from the template.

In some cases, these data are routinely collected and available in a state, and in other cases resources may be needed to capture these data. If this is not feasible, jurisdictions may consider relying on studies and data from other jurisdictions that have used these data to make the case for license plate identifiers, and answered important research and policy questions related to this topic.



Charges and convictions

Step 1

In your jurisdiction, how many teen drivers on a learner and provisional (intermediate) license were ticketed and convicted for violating a GDL or teen driving law in the current (most recent data year available) and past (5 years ago)?

a. Most recent data year

Learner license

i. # of teen drivers ticketed for violating a GDL or teen driving law

ii. # of teen drivers convicted for violating a GDL or teen driving law

Provisional license

iii. # of teen drivers ticketed for violating a GDL or teen driving law

iv. # of teen drivers convicted for violating a GDL or teen driving law

b. 5 years ago

Learner license

i. # of teen drivers ticketed for violating a GDL or teen driving law

ii. # of teen drivers convicted for violating a GDL or teen driving law

Provisional license

iii. # of teen drivers ticketed for violating a GDL or teen driving law

iv. # of teen drivers convicted for violating a GDL or teen driving law

Step 2

Have the numbers of teen drivers on a learner and provisional license who have been ticketed and convicted for violating a GDL or teen driving law changed in the past five years? (most recent year) (5 years ago)

**If the answer for percentage change is negative, then this means that there was a decrease in the number of tickets. If the answer is positive, then there was an increase in tickets.*

Calculate percentage of change for tickets and convictions of learner and provisional drivers

a. Learner license

Ticketed rate percentage of change

i. Tickets (most recent year)

ii. Tickets (5 years ago)

Calculate percentage of change for tickets:

$\frac{\text{Tickets (most recent year)} - \text{Tickets (5 years ago)}}{\text{Tickets (5 years ago)}} =$

TOTAL 1

X 100



TOTAL 2

Increase / Decrease

Conviction rate percentage of change

iii. Convictions (most recent year)

iv. Convictions (5 years ago)

Calculate percentage of change for convictions:

$$\frac{\text{Convictions (most recent year)} - \text{Convictions (5 years ago)}}{\text{Convictions (5 years ago)}} =$$

X 100

TOTAL 3

TOTAL 4

Increase / Decrease

b. Provisional license

Ticketed rate percentage of change

i. Tickets (most recent year)

ii. Tickets (5 years ago)

Calculate percentage of change for tickets:

$$\frac{\text{Tickets (most recent year)} - \text{Tickets (5 years ago)}}{\text{Tickets (5 years ago)}} =$$

X 100

TOTAL 5

TOTAL 6

Increase / Decrease

Conviction rate percentage of change

iii. Convictions (most recent year)

iv. Convictions (5 years ago)

Calculate percentage of change for convictions:

$$\frac{\text{Convictions (most recent year)} - \text{Convictions (5 years ago)}}{\text{Convictions (5 years ago)}} =$$

X 100

TOTAL 7

TOTAL 8

Increase / Decrease

Step 3

How does the percentage change in tickets and convictions for learner drivers and provisional drivers compare? Use the percentage of change in ticket and conviction rate from the previous question to answer this question in the table below.

Compare

a. Ticketed rate percentage of change

i. Percentage of change for ticketed rate of learner drivers

ii. Percentage of change for ticketed rate of provisional drivers



b. Conviction rate percentage of change

i. Percentage of change for conviction rate of learner drivers

ii. Percentage of change for conviction rate of provisional drivers

Crashes and violations of GDL laws

Step 1

In your jurisdiction, how many fatal, injury, and property damage crashes are there in which a teen driver (learner & provisional license holders) violated a GDL or teen driving law? Use the most recent data available?

a. Learner license

Determine the number of crashes where a GDL or teen driving law was violated for

i. # of fatal crashes

ii. # of injury crashes

iii. # of property damage crashes

b. Provisional license

Determine the number of crashes where a GDL or teen driving law was violated for

i. # of fatal crashes

ii. # of injury crashes

iii. # of property damage crashes



Traffic Injury Research Foundation

The mission of the Traffic Injury Research Foundation (TIRF) is to reduce traffic-related deaths and injuries. TIRF is a national, independent, charitable road safety institute. Since its inception in 1964, TIRF has become internationally recognized for its accomplishments in a wide range of subject areas related to identifying the causes of road crashes and developing programs and policies to address them effectively.

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