

ANCAP Safety Rating: TOYOTA PRIUS V (2012 - onwards)



Frontal offset test at 64km/h

This ANCAP safety rating applies to:

Make / Model	Toyota Prius V
Year Range	2012 - onwards
Variant(s)*	All variants
Vehicle Type	People Mover

The Toyota Prius V was released in Australia and New Zealand in 2012.

Dual frontal, side chest and side head airbags (curtains) and a driver knee airbag are standard. Electronic brake distribution (EBD), and emergency brake assist (EBA) are also standard. Several advanced safety features are available on the i-Tech variant. Advanced seat belt reminders are fitted to all seven seats.

In the frontal offset crash test, driver and passenger chest protection was acceptable. In the side impact crash test, driver chest protection was acceptable. Driver head protection in the pole test was good.

Injury Outcomes.

Frontal Offset Driver



Passenger



Side Impact & Pole# Driver



Whiplash Protection Driver



Head protection only.

Test Results Summary.

Airbags	Dual Frontal, Side, Head, Knee
Frontal Offset Test	15.21 (out of 16)
Side Impact Test	15.27 (out of 16)
Pole Test	2 (out of 2)
Whiplash Protection	Good
Pedestrian Protection	Good
ESC	Standard
Seat Belt Reminders	3 (out of 3)
Overall Score	35.48 (out of 37)
ANCAP Safety Rating	★★★★★
Rating Year^	2015

Occupant Protection.

Frontal Offset Test

Each body region is scored out of 4 points

Head / neck:	4.00 points
Chest:	3.47 points
Upper legs:	4.00 points
Lower legs:	3.74 points

The passenger compartment held its shape well in the frontal offset test. Pedal and steering wheel displacements were well controlled. Driver and passenger contact with the airbags was stable. All doors remained closed during the crash. After the crash, all doors could be opened with normal effort.

Side Impact Test

Each body region is scored out of 4 points

Head:	4.00 points
Chest:	3.27 points
Abdomen:	4.00 points
Pelvis:	4.00 points

Mostly good protection was provided for the driver in the side impact test. Chest protection was acceptable.

Pole Test

Scored out of 2 points

Score:	2.00 points
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The vehicle was eligible for a side pole test because it has side curtain airbags. The vehicle scored the maximum 2 points for head protection in this test.

Whiplash Protection Test

Whiplash protection is assessed to the RCAR Protocol

Geometric test:	Good
Dynamic test:	Good
Overall whiplash rating:	Good*

*Based on tests conducted by the Insurance Institute for Highway Safety and technical information provided by Toyota.

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Pedestrian Protection.

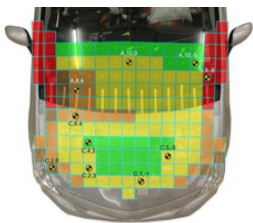
Pedestrian Test

Scored 27.65 out of 36 points - GOOD

Adult & child head impacts: 15.65 points
Upper leg impacts: 6.00 points
Lower leg impacts: 6.00 points

Points have been gained in the central area of the bonnet and full points were gained for the bumper and bonnet leading edge areas. The majority of the bonnet and windscreen area provides some protection for child and adult pedestrians (v8).

Child and adult head impact



Adult leg impact (upper and full legforms)



Score Deductions.

Deductions from frontal offset test scores

Head / neck: No deduction
Chest: No deduction
Upper legs: No deduction
Lower legs: No deduction

Deductions from side impact test score

Chest: -0.73 points - excessive backplate load

Deductions from pole test score

Head: No deduction

Safety Features & Technologies.

Descriptions of each of these safety features and safety assist technologies (SAT) and detail on fitting requirements for each star rating level can be found at ancap.com.au.

Safety Feature / Safety Assist Technology	Availability
Seat belts (three-point) for all forward-facing seats	S
Seat belt pretensioners (front)	S
Seat belt pretensioners (rear outboard)	X
Intelligent seat belt reminder (driver)	S
Intelligent seat belt reminder (front passenger)	S
Intelligent seat belt reminder (2 nd row seats)	S
Intelligent seat belt reminder (3 rd row seats)	S
Airbag - Front (driver)	S
Airbag - Front (passenger)	S
Airbag - Side, chest protection (front seats)	S
Airbag - Side, chest protection (2 nd row seats)	X
Airbag - Side, head protection (front seats)	S
Airbag - Side, head protection (2 nd row seats)	S
Airbag - Side, head protection (3 rd row seats)	S
Airbag - Knee (driver)	S
Airbag - Knee (front passenger)	X
Head restraints for all seats	S
Adaptive cruise control (ACC)	V
Antilock braking system (ABS)	S
Autonomous emergency braking (AEB)	V
Daytime running lights (DRL)	S
Electronic brakeforce distribution (EBD)	S
Electronic stability control (ESC)	S
Emergency brake assist (EBA)	S
Hill launch assist	S
Lane support system (LSS)	X
Reversing collision avoidance	S
Tyre pressure monitoring system (TPMS)	X

These specifications and are subject to change. Please check with the manufacturer for the latest specifications.

S = Standard on all variants.

O = Optional on base variant. May be standard on higher variants.

V = Not available on base variant but standard or optional on higher variants.

X = Not available on any variant.

E = Available in Europe / USA but not available on any Australasian variant.

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Injury Values & Measurements.

Body Region	Frontal offset test at 64 km/h (v5.1)		Side impact test at 50 km/h (v5.1)
	Driver	Passenger	Driver
Head			
HIC	273.00	256.00	37.00
Acceleration (g for 3ms)	45.10	39.90	20.30
Neck			
Shear (kN)	0.46	0.57	-
Tension (kN)	1.46	0.81	-
Extension (Nm)	22.30	14.50	-
Chest			
Acceleration (g for 3ms)	-	-	-
Compression (mm)	25.73	22.80	10.10
Viscous criterion (m/s)	0.09	0.11	0.04
Abdomen			
Force (kN)	-	-	0.62
Pelvis			
Force (kN)	-	-	2.06
Upper legs			
Femur force left (kN)	2.39	0.97	
Femur force right (kN)	2.20	1.92	
Knee displacement left (mm)	2.88	0.27	
Knee displacement right (mm)	2.21	0.06	
Lower legs			
Force left (kN)	2.13	1.70	
Force right (kN)	2.39	1.76	
Index (upper / lower) left	0.21 / 0.27	0.33 / 0.16	
Index (upper / lower) right	0.30 / 0.37	0.29 / 0.17	
Intrusion Measurements*			
Steering column			
Forward (mm)	46		
Downward (mm)	41		
Sideways (mm)	18		
Pedals			
Accelerator - rearward (mm)	34		
Accelerator - upward (mm)	13		
A-Pillar			
Rearward (mm)	4		

+ Steering column and pedal movements are measured relative to the driver's seat.

* ANCAP safety ratings do not automatically extend to variants that have different body styles, engine configurations, driven wheels or occupant restraint systems (e.g. fewer airbags). In these cases, ANCAP considers technical evidence submitted by manufacturers before deciding on extending a rating to additional variants of a model. For further information about the application of ANCAP safety ratings to model variants, see the ANCAP Variant Policy.

^ The Rating Year denotes the year requirements against which a vehicle has been assessed. The Rating Year is determined by ANCAP and may be based on the year in which a new vehicle model is first launched into the Australian and/or New Zealand markets; the year in which the vehicle was tested (if tested by Euro NCAP); or, for vehicles which hold an existing ANCAP safety rating, the year in which the rating was updated (or earlier applicable year).

Assessment Details.

Tested Make / Model	Toyota Prius V
Tested Vehicle(s) Built	2015
Tested Body Type	5 door hatch
Tested Vehicle Kerb Weight	1420 kg
Tested Vehicle Engine	1.8 litre hybrid
Tested By	ANCAP
Assessed By	ANCAP
Document Reference	PRIUSV12
Document Created / Revised	6 March 2015
Rating Published	March 2015
Rating Updated	n/a

