

This map has been elaborated based on the 'Earthquake Damage Prediction Survey Result Report' summarized on March 2015.

Earthquake Damage Report estimates the intensity and damage caused by the Nankai Trough Earthquake based on two models. "Past Earthquakes" and "Maximum Earthquake Damages", according to the National Disaster Prevention Council and Aichi Prefecture guidelines.

The supposed damages are based on theoretical studies and do not necessary mean that all damages will occur as described here,

You may find different results for the same area because both models consider different epicenters for the earthquake. For a better prevention please take as reference the largest estimated damages.

🗮 Toyota City

Toyota City Hall Natural Disaster Preparedness Division Information ota-shi Nishimachi 3-60 TEL 0565-31-1212 TEL 0565-34-6750

Seismic intensity map (Past Earthquakes)

\*This model is based on Nankai Trough Earthquake



### Damage assumption during an earthquake at Toyota City A



### **Preparatives for Earthquakes**

#### More than 50 percent of injuries are caused by Prevention falling furniture and home electronics. against Injuries



On the Hanshin-Awaji (Kobe, Province of Hyogo) Earthquake Damage, although the buildings has remained standing, many neople get injured due to overturning furniture, falling objects etc. Even those who remained intact had their escape routes obstructed due to overturned furniture. Let's be ready fixing and arranging the furniture properly.

causing serious 'njuries,

Change the lamps to antiscatt

lamps or impact resistant lamps.

or chains.

chains

Preventing home electronics falling

Home electronics and lamps may fall down

#### Preventing furniture falling

Even if the bu'lding is intact, furniture may fall down causing injuries. Large objects may obstruct the escape routes also the residents can be pinned down by fallen objects.

Furniture should be fixed or attached to the walls or wall study using a "L' type support or attachment.

 A padluck on drawers and cabinets may prevent the objects in its interior from falling down. Apply an ant'scattering film on the cab'nets' glass doors.

Consider the best way to make your home safer according to the walls and furniture's materials.



# **Damage Prediction**

	Item	Model of the Largest Earthquakes in the Past (season: Winter / time of the day, midnight)	Maximum theoretical model (season: Winter / time of the day, evening)	
Human Damage	Building Collapse, etc.	23 people	94 people	
	Steep Slope Collapse, etc.	7 people	7 people	
(Number of deaths)	Fire	1 person	83 people	
	Block Wall Toppling, Falling objects from outdoor	0 person	0 person	
	Total	31 people	184 people	
	Item	Model of The Largest Earthquakes in the Past (season: White 7 time of the day: evening)	Maximum theoretical model (seasor: Writer / time of the day: evening)	
	Seismic ground motion (total collepse)	502 buildings	2,326 buildings	
Buildings Damage	Earthquake soil liquefaction (total collapse)	25 buildings	2 buildings 2.326 buildings 5 buildings 25 buildings	
(Completely destroyed and burned)	Steep Slope Collapse, etc.	108 buildings	110 buildings	
	Fire (complete burned)	41 buildings	1.472 buildings	
	Total	677 buildings	3.933 buildings	
Lifeline Damage	Item	Model of The Largest Earthquakes in the Past (seasor: Winter / time of the day: evening)	a la la de l	
	waterworks (432.000 parameters)	about 393.000 people (91%)		
Liteline Damage	sewage system (276.000 parameters)	about 7.700 people (3%)		
	energy (224.000 parameters)	about 199.000 people (89%)	Stan Day	

#it is estimate: 3 Jama4e pattern [#inter/#ening], [Summer/daytime], [Winter/midnight], and between these d 't 's described the layest pattern. #Subs to the faustion propersing there are page that the armount does not correspond.

#### Toyota city, condition by, the country's point of, view, (Maximum theoretical model)





[Prediction Result] Even considering the Maximum theoretical model, damages in Toynta Uty may be considered as lighter than the camages in other parts of the country. However, fires may spread increasing the number of affected oulidings and persons. Infrastructure will also be severely affected, As huge damages are expected at Pacific Coast, Tayota City recovery works may suffer delay to the lack of materials and labor work.

## Support after the earthquake occurrence

### How to proceed after stopping earthquake tremors

Please calm down and check the situation around yourself



Toyota Emergency Mail Emergency Information also Weather Report will be transmitted to mail address registered in advance Area mail / Emergency Alert mail It will be transmitted by mail to mobile Phone in the city (compatible model)

### through the siren at the time of disaster

You can verify the broadcast content by the disaster prevention adminis Toll-free 0120-34-0174 n administrative radi 0565-37-3530



This map was produced under authorization of National Geospatial Information Agency (No.876/20 You may find locations on the map with the former name used before the surrounding utilise meres of

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### Description of Seismic intensity

Effects on people	Indoor situation		
is impossible to and up, you can get ound only crawling.	Free standing, cabinets, bookshelves and others are likely to topple. Moving walls may causing tile also windows glass to shatter and fall down.		
is impossible to re- ain standing.	Free standing, cabinets, bockshelves and others are likely to topple. There are many case causing the doors shut. Mov- ing walls may causing tile also windows glass to shetter and fall down.		
e most people caught earthquakes have a eling of helplessness.	Dishes and books can fall down from the shelves, There are cases that TV can be prone to toppling. Gabinets and heavy furniture can fall down.		
art of population feels ndrance to proceed	Hanging objects may swing strongly, dishes and books can fall down from the shelves. Ornaments with strait base falls down, and there are case that furniture moves from the fixed place.		

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	-	()= Available.				
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