

Transdisciplinary Study on Earthquake-related Diseases (4) Modeling of Onset of Mental Diseases

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An attempt was made to develop a model to describe onsets of PTSD, with seismic input as a major factor. At modeling, the following points were kept in mind. The onset rate depends on seismic intensity, via structural damage. Since the PTSD is known to change with times after a quake, a temporal function was employed.

The developed model was evaluated effective as a tool to assess the occurrence frequency characteristics of PTSD following destructive earthquakes.