CLARIFYING THE LIFE RECONSTRUCTION PROCESSES OF VICTIMS OF THE 1995 HANSHIN-AWAJI EARTHQUAKE ON THE PSYCHOLOGICAL TIMELINE

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# Survey Overview

<table>
<thead>
<tr>
<th></th>
<th>1999 survey</th>
<th>2001 survey</th>
<th>2003 survey</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Surveyed Points</strong></td>
<td>250 points (JMA 7 and/or City Gas Stopped)</td>
<td>The Same 250 points plus 80 additional points within Kobe</td>
<td>The Same 330 points</td>
</tr>
<tr>
<td><strong>Subjects</strong></td>
<td>Head of Household over the age of 20</td>
<td>Men &amp; Woman over the age of 20</td>
<td>Men &amp; Woman over the age of 20</td>
</tr>
<tr>
<td><strong>Sampling Method</strong></td>
<td>2-step Stratified Random Sampling Method</td>
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</tr>
<tr>
<td><strong>No. of Questionnaires</strong></td>
<td>2,500 sent &amp; 683 returned (27.3%)</td>
<td>3,300 sent &amp; 1389 returned (42.1%)</td>
<td>3,300 sent &amp; 1356 returned (41.1%)</td>
</tr>
<tr>
<td><strong>No. of Valid Responses (%)</strong></td>
<td>623 (24.9%)</td>
<td>1,203 (36.5%)</td>
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</tr>
<tr>
<td><strong>Survey Method</strong></td>
<td>Mail Survey</td>
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<td>Mail Survey</td>
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</tbody>
</table>
Hyogo Prefecture

The impacted area
Four Time Phases after the earthquake

Ⅰ Disorientation

The day of the impact on Jan. 17, 1995

Ⅱ Cognition of the new realities

Few days after Earthquake

Ⅲ Disaster Utopia

SARIN gas attack on TOKYO subways on Mar. 20

Ⅳ Reentry to everyday life

The first summer after Earthquake
Research Target

Developing the Index for Measuring the Degree of Victims’ Life Reconstruction
Reconstruction Calendar

- Six items, which are milestones in the life reconstruction process

- I was prepared to have an uncomfortable life for quite some time (n=994)
- I understood the entirety of the damage (n=947)
- I felt it was safe (n=1007)
- We have completely dealt with housing issues (n=784)
- Office/school has resumed (n=944)
- I no longer feel that I am a victim of the disaster (n=865)
① I was prepared to have an uncomfortable life for quite some time (n=994)
② I understood the entirety of the damage (n=947)
③ I felt it was safe (n=1007)
④ We have completely dealt with housing issues (n=784)
⑤ Office/school has resumed (n=944)
⑥ I no longer feel that I am a victim of the disaster (n=865)

Reconstruction Calendar
Confirmation of casualties

%
Confirmation of casualties
Sewage service
Water supply
Sleeping in shelters
Evacuees
House demolished
Removed
House reconstructed
Electricity
Gas supply
Transportation system
Telephone system
Transportation system
Confirmation of casualties
Sleeping in shelters
Sewage service
Water supply
Gas supply
Evacuees
Operation resumed
Job changed or closed
House demolished
House repaired
House reconstructed
Electricity

entirety of damage
office/school
housing issues
uncomfortable life
safe
I am a victim

hours
seismic intensity
housing damage
Reconstruction Calendar (I no longer feel that I am a victim of the disaster)

- Major damage without survival space (n=40)
- Major damage with survival space (n=135)
- Moderate damage (n=42)
- Minor damage (n=492)
- No damage (n=138)
Suggestion

• Victims’ psychological aspects which can be measured observing their behavior and cognition

• Knowing victims’ psychological aspects is important for
  – Making policy operation effective
  – Response their needs easily