A WEB-BASED CARE-REQUIRING
CLIENT AND HOME HELPER
MUTUAL SUPPORT SYSTEM

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BACKGROUND

- Home Helpers are sent to the homes of care-requiring clients to provide home services.
- Care items are scheduled for one month before the care visit.
- The schedule are often changed suddenly by request from the care-requiring client.
- The Home Helpers need to know these changes as soon as possible.
PURPOSE

To develop a web-based client and Home Helper mutual support system for the improved efficiency of home care of the elderly.
SYSTEM DESCRIPTION

Client computer at care-requiring client’s home

Mobile phone for Home Helper

Server computer at office
OPERATION PROCEDURE

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Non-picture buttons and picture buttons displayed on screen of Internet client computer.

a) Non-picture buttons

b) Picture buttons
INVESTIGATIVE METHOD

- The length time for choosing was evaluated per two conditions; by the item buttons being indicated on the LCD in the character with picture, or without picture.

- The 14 subjects, one male and 13 females, varied in age from 60 to 89 years, choose four care items from 27 item buttons.
THE QUESTIONNAIRE

- Understanding of the items displayed on buttons with picture or without picture.

- Ease of operation for choosing the items displayed on buttons with picture or without picture.
The average length of time to choose either the non-picture button or the picture button obtained from 14 subjects.
THE QUESTIONER RESULTS

Understanding of the items

Ease of operation

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DISCUSSION

- The length of time to choose the picture button was shorter by 20% than the non-picture button, and the .05 t-test indicated that there was a significant difference.

- The .05 t-test about the questionnaire results indicated that there was no significant difference.

- The care item buttons with pictures were suitable for choosing the items.
CONCLUSION

• The care-requiring clients can easily operate the developed system and send their requests to the Home Helper and care manager via the server computer at any time, day or night.

• Our system improves efficiency of home care of the elderly.