

Table 2
Organizational Disaster Response System, By First Mention

System #	Organization	Source of Funding
J18-1	Kansai Electric	Private
J18-2	Tokyo Metropolitan Police	Public- Municipal
J18-3	Kobe Fire Department	Public- Municipal
J18-4	Hyogo Prefecture Municipal Fire Department	Public- Municipal
J18-5	National Land Agency Chief, Kayoshu Ozawa	Public- National
J18-6	Defense Agency	Public- National
J18-7	Self Defense Forces	Public- National
J18-8	Ministry of International Trade and Industry (MITI)	Public- National
J18-9	Government	Public- National
J18-10	Posts and Telecommunications Ministry	Public- National
J18-11	Nippon Telegraph and Telephone Corporation	Public- National
J18-12	Local Post Offices	Public- National
J18-13	Ministry of Agriculture, Forestry and Fisheries	Public- National
J18-14	Finance Ministry	Public- National
J18-15	Osaka Securities Exchange and Kobe commodity Market	Public- National
J18-16	Bank of Japan	Public- National
J18-17	Kobe University Hospital	Public- National
J18-18	Hyogo Governor	Public- prefectural
J18-19	U.S. Embassy officials	Public-International
J19-1	Ashiya Police	Public- Municipal
J19-2	Ojikoren Ward	Public- Municipal
J19-3	Hyogo Ward	Public- Municipal
J19-4	Ashiya Ward	Public- Municipal
J19-5	Awaji Island	Public- Municipal
J19-6	Mayor of Kobe, Kazutoshi Saayama	Public-Municipal
J19-7	General Affairs Bureau of Kobe Municipal Government	Public-Municipal
J19-8	Kobe Municipal Government	Public- Municipal
J19-9	Central Bank for Commercial and Industrial Cooperatives	Public- National
J19-10	Housing Loan Corporation	Public- National
J19-11	Health and Welfare Ministry	Public- National
J19-12	People's Finance Corporation	Public- National
J19-13	Diet	Public National
J19-14	Prefectures' Riot Police (Hyogo and Osaka)	Public- prefectural
J19-15	Hyogo Prefecture Government	Public- prefectural
J19-16	Osaka Prefecture Government	Public- prefectural
J19-17	U.S. Government	Public- International
J20-1	Toyota Motor Corporation	Private
J20-2	Kao Corporation	Private
J20-3	Osaka Gas Company	Private
J20-4	Kobe City Fire Department (Chuo Ward)	Public- Municipal
J20-5	Kinki Regional Bureau of International Trade	Public- prefectural
J20-6	South Korean Consulate	Public- International
J20-7	Philippine Government	Public- International
J20-8	North Korean Government	Public- International
J20-9	Embassy of Ireland	Public- International
J20-10	Embassy of Germany	Public- International
J20-11	Dutch Embassy	Public- International
J20-12	Australian Embassy	Public- International
J20-13	Chinese Consulate	Public- International
J20-14	US Armed forces in Japan	Public- International
J20-15	Switzerland Search and Rescue Team	Public-International
J21-1	Nippon Express, Co	private
J21-2	Director General of Hokkaido and Okinawa Development Agency	public-national
J21-3	28 Prefectural Fire Departments	public-prefectural
J21-4	French Government	public-international
J21-5	U.S. Military	public-international
J21-6	KDD	private
J21-7	Kansai Christian Relief Fund from Los Angeles	nonprofit-international
J21-8	Yamaguchigumi	other-mafia
J22-2	Sakura Bank	private
J22-3	Japan Airlines	private
J22-4	Aichi Prefectural Government	public-prefectural
J22-5	Nagao Prefectural Government	public-prefectural
J22-6	Toiyama Prefectural Government	public-prefectural
J22-7	Chiba Prefectural Government	public-prefectural
J22-8	Kyoto Dai-ichi Kagaku Co	public-prefectural

*System # is abbreviated for month and date of organizations' first entry

Table 2
Organizational Disaster Response System, By First Mention

System #	Organization	Source of Funding
J22-9	YMCA-Sanomiya	nonprofit-municipal
J22-10	YMCA-Nishi Ward	nonprofit-municipal
J22-11	YMCA-Kobe	nonprofit-municipal
J22-12	YMCA-Kyoto	nonprofit-municipal
J22-13	YMCA-Nagato	nonprofit-municipal
J22-14	YMCA-Shukagawa	nonprofit-municipal
J22-15	Peace and Health and Human Development	nonprofit-national
J22-16	Yamaguchi Prefectural Government	nonprofit-national
J22-17	Kansai NGO Council	nonprofit-prefectural
J22-18	YMCA-Osaka	nonprofit-prefectural
J22-19	United Church of Christ	nonprofit-international
J22-20	Medecins Sans Frontieres	nonprofit-international
J23-1	Osaka Police Department	public-prefectural
J24-1	Takakuradai Elementary School (Suma Ward)	public-municipal
J24-2	International Rescue Corps	nonprofit-international
J24-3	Yakuza (mafia)	other (mafia)
J25-1	Japan Business Association	private
J25-2	Hankyu Railway	private
J25-3	NTT	private
J25-4	JR West	private
J25-5	Osaka Terminal Hotel	private
J25-6	Hotel New Archiac	private
J25-7	Nishi Shurun Hospital	private
J25-8	Sakura Clinic	private
J25-9	The Language Masters' Yokohama School	private
J25-10	Kobe Jet Shuttle	private
J25-11	"Waterworks"	public-municipal
J25-12	Nishinomiya Municipal Government	public-municipal
J25-13	Akashi Municipal Government	public-municipal
J25-14	Tokyo Metro Government	public-municipal
J25-15	Nagoya Municipal Government	public-municipal
J25-16	Nagata Ward Office	public-municipal
J25-17	Kobe Chuo Ichijima Hospital	public-municipal
J25-18	National Police Agency	public-national
J25-19	Japanese Los Angeles Consulate	public-national
J25-20	Hyogo Prefectural Police	Public-prefectural
J25-21	Ishikawa Prefectural Government	Public-prefectural
J25-22	Kanagawa Prefectural Government	Public-prefectural
J25-23	Okayama Prefectural Government	Public-prefectural
J25-24	Shimane Prefectural Government	Public-prefectural
J25-25	Akita Prefectural Government	public-prefectural
J25-26	University of California Asia Office	public-international
J25-27	Kobe Union Church	nonprofit-municipal
J25-28	Kobe Rosai Hospital	nonprofit-municipal
J25-29	Japan Chamber of Commerce	nonprofit-national
J25-30	Japan Red Cross	nonprofit-national
J25-31	Japan Helpline	nonprofit-national
J25-32	Osaka Bar Association	nonprofit-prefectural
J25-33	Japan Society of Southern California	nonprofit-international
J25-34	Association of Medical Doctors in Asia	nonprofit-international
J26-1	Yamaguchi Accounting Office	private
J26-2	Comerzbank Group in Japan	private
J26-3	Middle East-Africa Group Members MMC	private
J26-4	Deutsche Bank Capital Markets, Ltd.	private
J26-5	R.P. Scherer Corp.	private
J26-6	Kobe Municipal Housing Department	public-municipal
J26-7	Kobe Municipal Ambulance Teams	public-municipal
J26-8	Japanese Center for International Cooperation	nonprofit-national
J27-1	Port Authorities	public-municipal
J27-2	Municipal Board of Education	public-municipal
J27-3	Kobe Bar Association	public-municipal
J27-4	Kyoto Bar Association	public-municipal
J27-5	Chinatown association	public-municipal
J27-6	Transport Ministry	public-national
J27-7	Foreigners Earthquake Information Center	nonprofit-municipal
J27-8	North Korean Red Cross	nonprofit-international
J28-1	Takenaka Corporation	private
J28-2	Maruki Royoka	private
J28-3	Kobe Seikatsu Kagaku Center	private
J28-4	Center for Chinese Students	private
J28-5	Nippon Airways	private
J28-6	Nippon Cargo Airlines	private

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System #	Organization	Source of Funding
J28-7	Mongolian Air Lines	private
J28-8	Link, Laters and Paues	private
J28-9	Yokohama International School	private
J28-10	Carl Zeiss Company	private
J28-11	Weyerhaeuser Company Foundation	private
J28-12	Toho University	public-municipal
J28-13	Yamanote Elementary School	public-municipal
J28-14	Seido Elementary School	public-municipal
J28-15	Hoken Fukushi Sogo Center	public-municipal
J28-16	Daikoku Elementary School	public-municipal
J28-17	Higashi-Nada Elementary School	public-municipal
J28-18	Honjo Elementary School	public-municipal
J28-19	Mizuko Elementary School	public-municipal
J28-20	Mikura Elementary School	public-municipal
J28-21	Nada Elementary School	public-municipal
J28-22	Onoe Elementary School	public-municipal
J28-23	Korean Elementary School	public-municipal
J28-24	Kamakura Municipal Government	public-municipal
J28-25	Sapporo Municipal Government	public-municipal
J28-26	Yamazoe Village	public-municipal
J28-27	Mintogowa Junior High School	public-municipal
J28-28	Wakamiya Elementary School	public-municipal
J28-29	Takagi elementary School	public-municipal
J28-30	Uozaki Elementary School	public-municipal
J28-31	Japan Highway Public Corporation	public-national
J28-32	Emperor, Empress	public-national
J28-33	Aomori Prefecture	Public- prefectural
J28-34	Ibaraki Prefecture	Public- prefectural
J28-35	Saitama Prefecture Government	Public- prefectural
J28-36	Tochigi Prefectural Government	Public- prefectural
J28-37	Tottori Prefectural Government	Public- prefectural
J28-38	Indonesian Embassy	public-international
J28-39	Russian Government	public-international
J28-40	Nishinomiya City International Association	nonprofit-municipal
J28-41	Association of International Education	nonprofit-national
J28-42	Japan Youth Hostel Association	nonprofit-national
J28-43	Osaka Foundation of International Exchange Homestay	nonprofit-prefectural
J28-44	Japan-America Women's Club	nonprofit-international
J28-45	Ennaji Temple	nonprofit-national
J28-46	Yao International Center Homestay	nonprofit-national
J28-47	Koyasan Temple	nonprofit-national
J28-48	Toyonaka International Center	nonprofit-national
J28-49	Osaka University of Foreign Studies	nonprofit-national
J28-50	Kobe shi Kaikan	nonprofit-national
J28-51	Kobe Steel Hospital	private
J28-52	Hlangamani Ngothando	do know
J29-1	Freedom School	private
J29-2	Kobe Consumer's Information Center	public-municipal
J29-3	Osaka Suicide Prevention Center	Public- prefectural
J29-4	Friends of Fugen no Tono Nishinomiya Branch	nonprofit-municipal
J29-5	Kansas International Association of Counselors and Psychotherapist	nonprofit-prefectural
J30-1	Japan Broad Corporation	private
J30-2	Medical Team from Sam Song group	private
J30-3	Hiroshima University	public-municipal
J30-4	Hiroshima Marine Mercantile School	public-municipal
J30-5	Yuge Higher Marine Mercantile School	public-municipal
J30-6	Tokyo Marine Mercantile School	public-municipal
J30-7	Chiba University	public-municipal
J30-8	Oshima High Marine Mercantile School	public-municipal
J30-9	Merchant Marine College	public-national
J30-10	American Medical Team	nonprofit-international
J31-1	The Zoo Bar East Night Club	private
J31-2	DDB Needham Japan Inc.	private
J31-3	National Azabu	private
J31-4	Breakfast Toastmasters Club	private
J31-5	Direct Relief International	public-international
J31-6	EU Delegation	public-international
J31-7	Kobe Relief Fund	nonprofit-national
F1-1	PERSADA	private
F1-2	Bimantara Foundation	public-international
F1-3	Egyptian government	public-international
F1-4	Thailand government	public-international
F1-5	Indonesian Textile Association	nonprofit-international

*System # is abbreviated for month and date of organizations' first entry

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Organizational Disaster Response System, By First Mention

System #	Organization	Source of Funding
F2-1	International Channel	private
F2-2	Kobe Kokusai Koryu Plaza	private
F2-3	Gakusei Seinen Center	private
F2-4	Japan Travel Phone	private
F2-5	Swear International	private
F2-6	Inform Japan Inc	private
F2-7	Malaysia	public-international
F2-8	Dyiboun	public-international
F2-9	Fiji Embassy	public-international
F2-10	Tokyo Philharmonic Orchestra	nonprofit-municipal
F3-1	Saiboji Temple	nonprofit-national
F3-2	Paltek Corp.	private
F3-3	Tele Mart	private
F3-4	Yutell International	private
F3-5	Asahikawa City, Hokkaido	public-municipal
F5-1	Embassy of Sweden	public-international
F5-2	UNIX Business Association	private
F5-3	Arima Royal Golf Club at Kitahata	private
F5-4	Asahi Kokusai Takarazuka Country Club	private
F5-5	Greenprn Miko at Hosakawa-Cho	private
F5-6	Kurray Sports Plaza	private
F5-7	Shin-Takarazuka Country Club	private
F5-8	Shinyu Country Club at Yoshio	private
F5-9	Sports Nippon Country Club	private
F5-10	Sumitomo Electric Industries	private
F5-11	Takarazuka Shonen Shuzen-no-ke	private
F5-12	Urban Resort Club	private
F5-13	Yomuri Golf Center	private
F5-14	Minoo Kanko Hotel	private
F5-15	Hotel Seiryu	private
F5-16	Fushokoku	private
F5-17	Sansuikan	private
F5-18	Yomenou	private
F5-19	Terunoya	private
F5-20	Shiota Kanko Hotel	private
F5-21	Gimbao	private
F5-22	Taiokan	private
F5-23	Chokoen	private
F5-24	Kajikao	private
F5-25	Gomo Onsen	private
F5-26	Kumtamayu	private
F5-27	Shinohara Onsen	private
F5-28	Takaha Onsen	private
F5-29	Tsukasyu	private
F5-30	Daidoyu	private
F5-31	Kua Asahi	private
F5-32	Shin-Banzayu	private
F5-33	Shochikuyu	private
F5-34	Daitoeyu	private
F5-35	Higashi-Shirike	private
F5-36	Ofukuyu	private
F5-37	Horal Onsen	private
F5-38	Tarawa Shin Onsen	private
F5-39	Kobe Radon Center	private
F5-40	ChuKarayu	private
F5-41	Hisatomu	private
F5-42	Kajika Onsen	private
F5-43	Sukarayu	private
F5-44	Minamiyu	private
F5-45	Tachibanayu	private
F5-46	Hamada Onsen	private
F5-47	Kua Mukogawa	private
F5-48	Ogo Onsen	private
F5-49	Arajin Onsen	private
F5-50	Wakakusayu	private
F5-51	Beauty Parade	private
F5-52	Coty Beauty Salon	private
F5-53	Hair Plaza	private
F5-54	Kokoro-no-Sodan Shitsu	private
F5-55	Edmonds Community College	private
F5-56	Nihongo Kyotoku Shinko Kyokai	private
F5-57	Hotel Okura	private
F5-58	Nagata Hoken-jo	private

*System # is abbreviated for month and date of organizations' first entry

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Organizational Disaster Response System, By First Mention

System #	Organization	Source of Funding
F5-59	Sun City Hall	public-municipal
F5-60	Takarazuka City Hall	public-municipal
F5-61	Hospital of Kyoto Municipal	public-municipal
F5-62	Kyoto City International Foundation	public-municipal
F5-63	Konan Hospital	public-municipal
F5-64	Rokko Island Hospital	public-municipal
F5-65	Los Angeles School District	public-international
F5-66	Los Angeles Police Department	public-international
F5-67	Japanese Federation of Deaf	nonprofit-national
F5-68	Daily Life problems Hotline	nonprofit-national
F5-69	Osaka Prefectural Hospital	nonprofit-municipal
F8-5	Kansai Life Line	nonprofit-prefectural
F8-6	Osaka Labor Standard Bureau	public-prefectural
F9-1	Osaka Regional Immigration Bureau	public-prefectural
F9-2	International Computer Association	private
F9-3	Adept Technology Japan	private
F10-1	Cleanbill	private
F10-2	Jaktaku Assen Center	private
F10-3	Minoo Kokusai Koryu Kyokai	private
F10-4	Hotel International House	private
F10-5	Japan Real Estate Association	private
F10-6	Multilingua Inc.	private
F10-7	Crown Seal Public Co. Ltd.	private
F10-8	The Japan Times	private
F10-9	Osaka City	public-municipal
F10-10	Yubari City, Hokkaido	public-municipal
F10-11	Yuasa, Wakayama Prefecture	public-prefectural
F10-12	Toyonaka Association for Intercultural Activities and Communication	nonprofit-municipal
F10-13	Kobe International Plaza	nonprofit-municipal
F10-14	Osaka Foundation of International Exchange	nonprofit-prefectural
F10-15	Peace Boat	nonprofit-national
F11-5	Operation USA	nonprofit-international
F12-1	Deputy Prime Minister	public-national
F12-2	Hasuake Elementary School	public-municipal
F12-3	Nagata Care Center for the Elderly	public-municipal
F14-1	Kobe Asahi Hospital	public-municipal
F14-2	Proctor and Gamble	private
F16-1	Hyogo Prefecture Victims Contact Association	nonprofit-prefectural
F16-2	Matsushita Electric Industrial Co. Labor Union	private
F16-3	Sumitomo Corp	private
F16-4	Nissan Motor Co.	private
F16-5	Recruiting Co.	private
F16-6	Nippon Oil Co.	private
F16-7	Dunkin Co.	private
F16-8	Japan Industrial Councilors Association	private
F16-9	Shogasha Shen Centers	private
F16-10	Kobe International Association	public-municipal
F17-1	Japan Federation of University Cooperative Union	public-national
F17-2	Pee-wee Frolic	private
F17-3	Kinki Federation Bar Association	nonprofit-municipal
F17-4	Yubari City, Hokkaido	public-municipal
F17-5	Nishinada Elementary School	public-municipal
F17-6	Shanyo Elementary School	public-municipal
F17-7	Kobe Student Youth Center	public-municipal
F17-8	Yuasa, Wakayama Prefecture	public-prefectural

Table 3

Number of Interactions Between Types of Organizations
Hanshin Earthquake Organizational Disaster Response
January 18-February 17, 1995

	Medical/Health		Governmental		Charitable/NPO		Humanitarian/Religious		Commercial		Mixed		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Medical/Health	0	0.00	1	1.14	3	3.41	0	0.00	0	0.00	0	0.00	4	4.55
Governmental	1	1.14	40	45.45	1	1.14	3	3.41	7	7.95	0	0.00	52	59.09
Charitable/NPO	3	3.41	1	1.14	3	3.41	1	1.14	3	3.41	0	0.00	11	12.50
Humanitarian/Religious	0	0.00	3	3.41	1	1.14	0	0.00	1	1.14	0	0.00	5	5.68
Commercial	0	0.00	7	7.95	3	3.41	1	1.14	2	2.27	0	0.00	13	14.77
Mixed	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	3	3.41	3	3.41
Total	4	4.55	52	59.09	11	12.50	5	5.68	13	14.77	3	3.41	88	100.00

N=Number of Interactions
%=percent of Total Interactions

Figure 5

Interactions between Types of Organizations

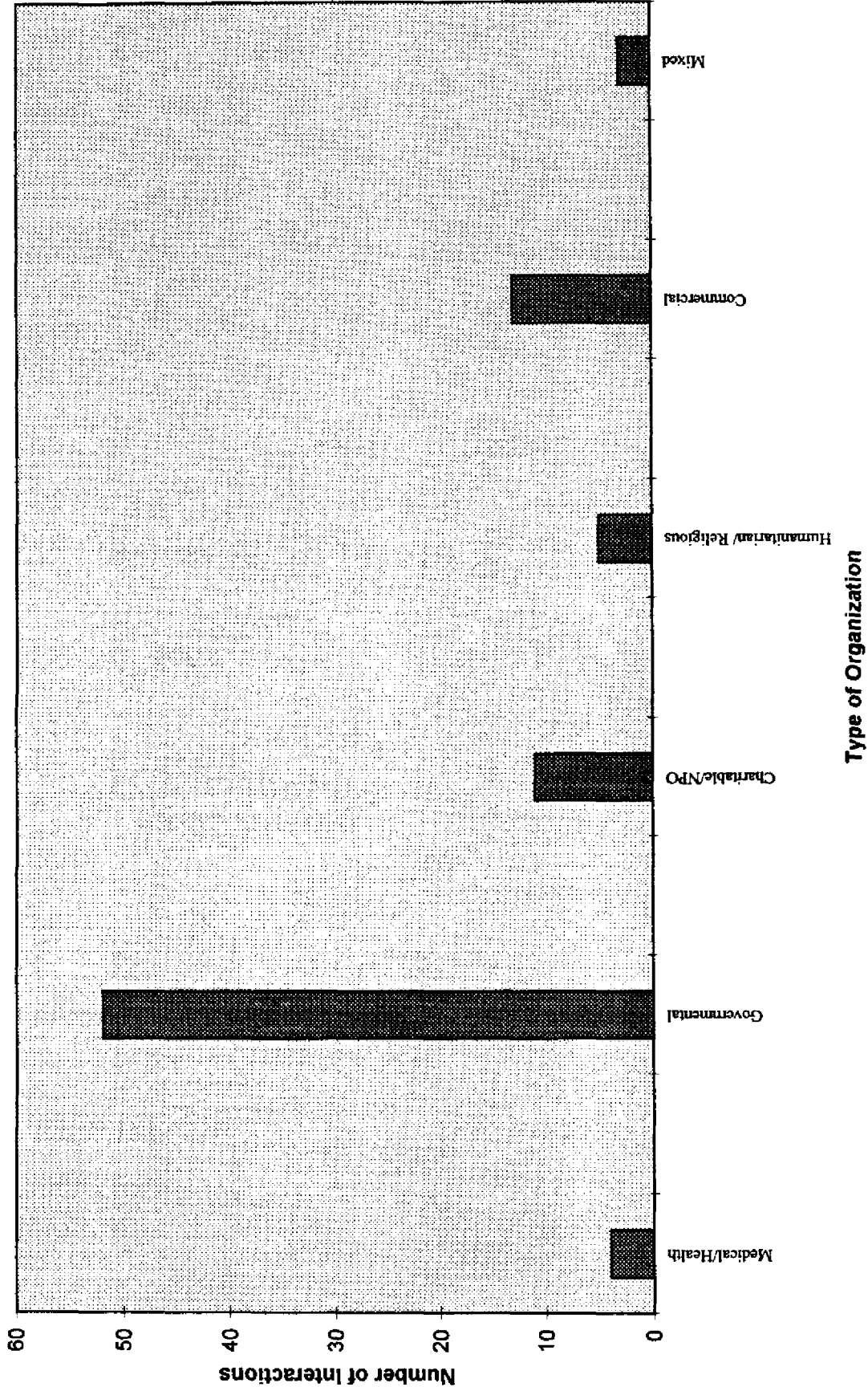


Table 4

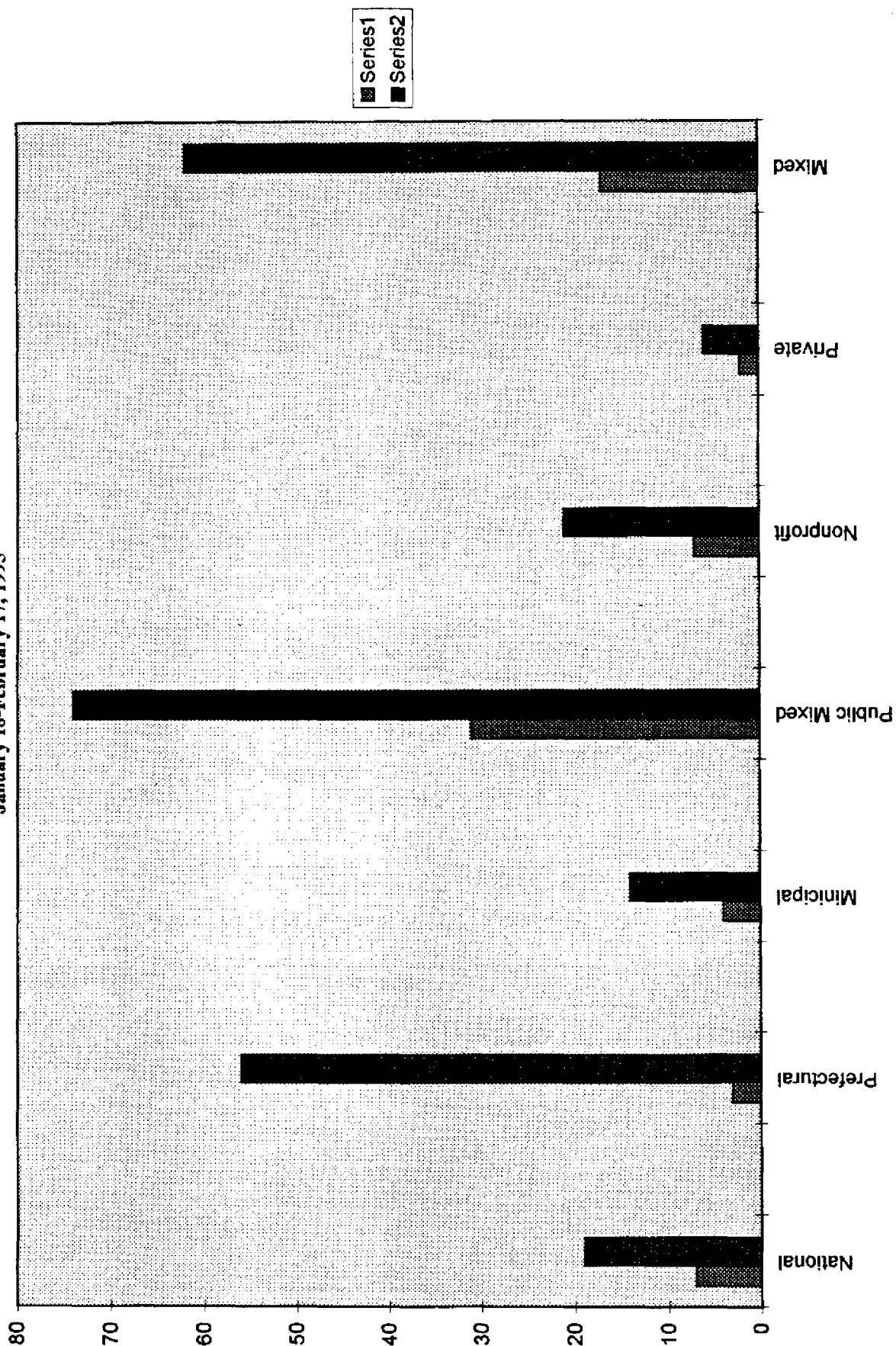
Types of Transactions and Number of Organizations Per Goal
Hanshin Organization Disaster Response,
January 18-February 17, 1995

Type of Goal	Type of Transaction																Total					
	National				Prefectural				Public				Mixed									
	N	A	%		N	A	%		N	A	%		N	A	%		N	A	%			
Search and Rescue	0	0	0.00		2	28	2.82		0	0	0.00		6	18	8.45		0	0	0.00		8	11.27
Medical/Health Care to Injured	0	0	0.00		1	28	1.41		1	2	1.41		4	8	5.63		1	2	1.41		11	15.49
Extraction of Dead	0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0.00
Communication/Coordination	2	4	2.82		0	0	0.00		0	0	0.00		4	13	5.63		2	7	2.82		9	12.68
Damage/Needs Assessment	1	3	1.41		0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		3	4.23
Disaster Relief: Food, Water, Shelter, Clothing, Household Goods	0	0	0.00		0	0	0.00		2	4	2.82		5	11	7.04		1	6	1.41		12	16.90
Clothing, Household Goods	0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0.00
Logistics/Transportation	0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0.00
Recovery/Reconstruction: Housing, Sanitation, Counseling	1	2	1.41		0	0	0.00		1	8	1.41		11	22	13.49		3	6	4.23		16	21.54
Educational, Restoring Schools	0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0	0.00		0	0.00
Financial Assistance/Contributions	3	10	4.23		0	0	0.00		0	0	0.00		0	0	0.00		1	3	1.41		11	15.49
Social: Women, Children, Disabled, Elderly	0	0	0.00		0	0	0.00		0	0	0.00		1	2	1.41		0	0	0.00		1	1.41
	7	19	9.86		3	56	4.23		4	14	5.63		31	74	43.66		7	21	9.86		71	100.00
																	2	6	2.82		17	23.94

*N=Number of Transactions
*A=Number of Active
%-percent of Total Transactions

Figure 6

Frequency Distribution of Reported Transactions By Types of Participating Organizations and Number of Organizational Actors, The Japan Times, January 18-February 17, 1995



*Series 1: Number of Transactions per Type of Organization,

*Series 2: Total Number of Organizations Involved in Transaction

Table 6

**Summary of Sample Characteristics,
Field Study, Hanshin Earthquake, January 17, 1995**

Total number of organizations represented: 23

Organizations by source of financial support:

Public:	14
Private:	6
Nonprofit:	<u>3</u>
Total:	23

Public organizations by jurisdiction:

Municipal:	7
Prefectural:	3
National:	<u>4</u>
Total:	14

Total number of respondents attending interviews: 43

Respondents attending interviews by:

Sex: Men	=	42
Women	=	<u>1</u>
Total:		43

Respondents who actively participated in interview: 32

	<u>N</u>	<u>%</u>
Age: 21-30:	2	6.3
31-40:	5	15.6
41-50:	13	40.6
51-60:	7	21.9
61-70:	3	9.3
DK/NR:	<u>2</u>	<u>6.3</u>
Total:	32	100.0

Sex: Men:	31	96.9
Women:	<u>1</u>	<u>3.1</u>
Total:	32	100.0

Education:*

High School:	5	15.6
University:	13	40.6
Post-Graduate:	10	31.3
DK/NR:	<u>4</u>	<u>12.5</u>
Total:	32	100.0

*Post-graduate degrees include 8 M.D.s; important given the special focus of study on emergency medical response.

Religion:

Buddhism:	16	50.0
Shinto	2	6.3
None	3	9.3
NR/DK	<u>11</u>	<u>34.4</u>
Total:	32	100.0

Table 6, continued

Place of Birth:

Hyogo Prefecture	10	31.3
Osaka Prefecture	4	12.5
Kyoto Prefecture	3	9.3
Other Prefectures in Japan	7	21.9
NR/DK	<u>8</u>	<u>25.0</u>
Total	32	100.0

Years of experience:

1 - 10 years:	9	28.1
11 - 20 years:	5	15.6
21 - 30 years:	7	21.9
31 - 40 years:	3	9.4
NR/DK:	<u>8</u>	<u>25.0</u>
Total:	32	100.0