Appendixes

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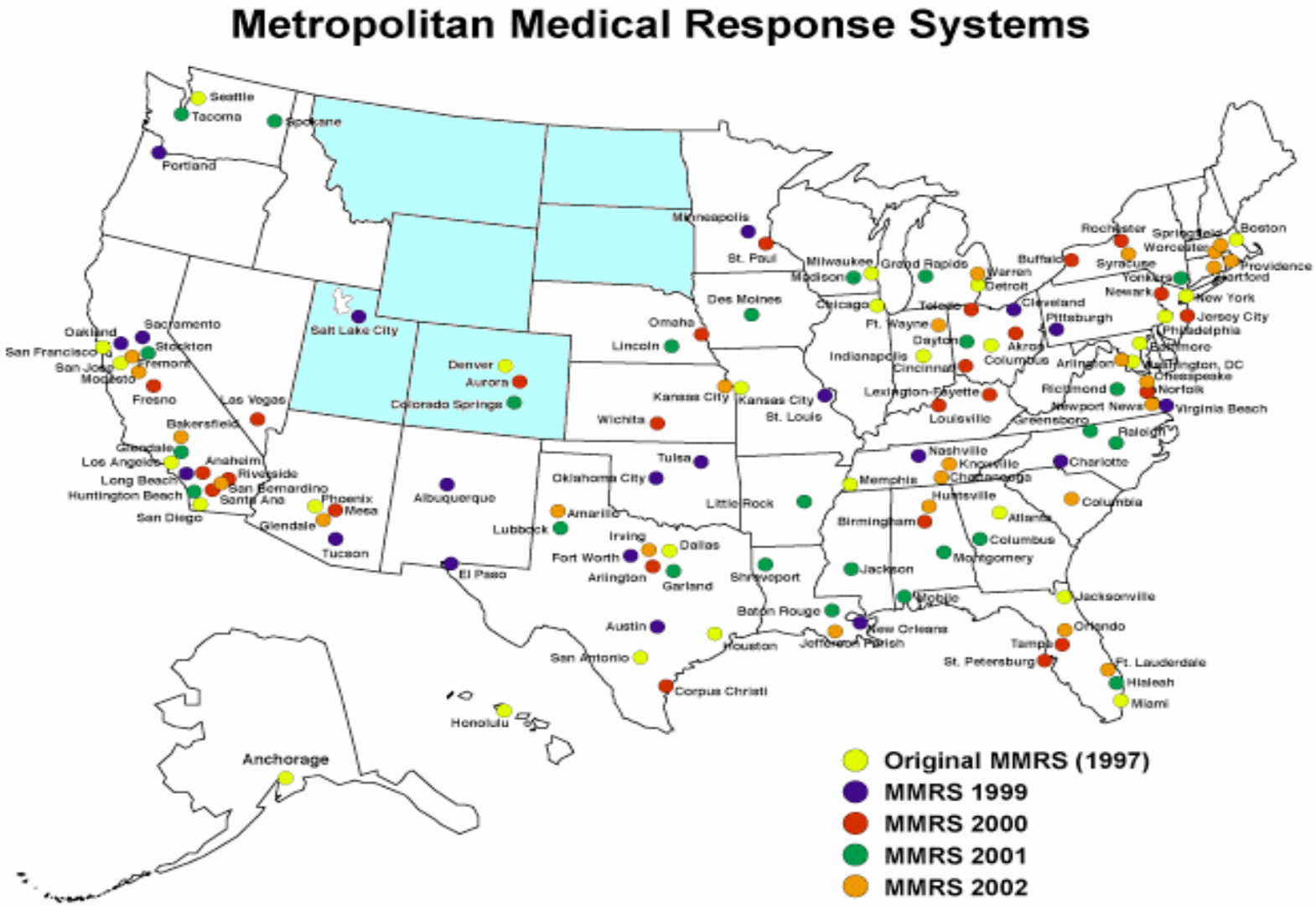
Appendix B. United States MMRS Locations



Appendix C. United States NDMS Locations

Military (Squares) and Veteran's Administration (Triangles)
National Disaster Medical System (NDMS) Federal Coordinating Centers (FCC's)

Appendix D. Region VIII Medical Staffing Resources

Table D1. Primary Medical Surge Staffing Resources, Federal Region VIII[1]

	CO	*Per 100,000*	MT	*Per 100,000*	ND	*Per 100,000*	SD	*Per 100,000*	UT	*Per 100,000*	WY	*Per 100,000*	Region Total	*Per 100,000*	*US Per 100,000*
Physicians (MDs and DOs)	7,983	*201*	1,594	*181*	1,202	*189*	1,204	*165*	3,280	*156*	720	*150*	15,983	*182*	*198*
Nurse Practitioner	1,900	*48*	252	*29*	153	*24*	274	*38*	694	*33*	112	*23*	3,385	*39*	*26*
Physician Assistants(1999)	665	*16*	131	*15*	154	*24*	198	*27*	260	*12*	82	*17*	1,490	*17*	*10*
Respiratory Therapists	1,260	*32*	220	*25*	280	*44*	260	*36*	360	*17*	160	*33*	2,540	*29*	*31*
RNs (1996)	30,827	*803*	6,774	*764*	6,902	*1069*	7,752	*1049*	12,641	*631*	3,784	*773*	68,680	*798*	*798*
LPNs	6,350	*160*	2,630	*268*	277	*434*	1,860	*255*	3,280	*156*	880	*183*	15,277	*199*	*249*
Clinical Laboratory	3,150	*79*	810	*92*	920	*144*	950	*130*	2,700	*129*	310	*65*	8,840	*101*	*105*
Social Workers	9,430	*238*	2,480	*282*	1,720	*270*	2,030	*278*	5,210	*248*	1,200	*250*	22,070	*251*	*216*
Nurse aides, orderlies & attendants	13,400	*338*	4,620	*525*	6,070	*952*	5,750	*787*	5,470	*260*	1,940	*404*	37,250	*423*	*466*

[1] Data are based on 1998 data unless otherwise noted and was provided by the HRSA State Health Workforce Profiles, December 2000.

A region's surge planning efforts can involve supplementing the traditional medical workforce with secondary alternative medical staff. Table 2 profiles potential alternative medical staffing resources available in Federal Region VIII.

Table D2. Secondary Medical Surge Staffing Resources, Federal Region VIII[1]

	CO	*Per 100,000*	MT	*Per 100,000*	ND	*Per 100,000*	SD	*Per 100,000*	UT	*Per 100,000*	WY	*Per 100,000*	Region Total	*Per 100,000*	*US Per 100,000*
Dentists	2,242	*57*	422	*48*	272	*43*	294	*40*	1,090	*52*	220	*46*	4,540	*52*	*48*
Podiatrists	116	*3*	40	*5*	16	*3*	24	*3*	102	*5*	10	*2*	308	*4*	*5*
Pharmacists	2,430	*61*	640	*73*	560	*88*	510	*70*	1,140	*54*	250	*52*	5,530	*63*	*66*

[1] Data are based on 1998 data unless otherwise noted and was provided by the HRSA State Health Workforce Profiles, December 2000.

Appendix D. Region VIII Medical Staffing Resources (continued)

Table D3. Primary Medical Surge Staffing Resources, Federal Region VIII

	Colorado	Montana	North Dakota	South Dakota	Utah	Wyoming	Regional Total
Medical Doctors and Doctors of Osteopathy							
Active	14,033	3,114	2,636	2,482	7,192	2,222	31,679
In-state	10,695	2,112	1,380	1,484	*	900	16,571
Out-of-state	3,338	1,002	1,256	998		1,322	7,916
% out-of-state	24%	32%	48%	40%	NA	60%	25%
Inactive	2,669	620	1,503	182	5,120	2,452	12,546
In-state	*	22	305	152	*	0	479
Out-of-state		523	1,198	30		2,352	4,103
Retired	**	75	**	**	**	100	175
Physician Assistants							
Active	1,090	242	187	290	431	170	2,410
In-state	1,061	216	*	278	*	170	1,725
Out-of-state	29	26		12		0	67
% out-of-state	3%	11%	NA	4%	NA	0%	3%
Inactive	109	79	**	**	**	**	188
Registered Nurses							
Active RN Total	51,282	10,000	8,313	10,456	16,864	4,800	101,715
Inactive RN Total	**	**	NA	10,944	4	**	10,948
Licensed Practical Nurses							
Active LPN Total	10,264	5,000	3,157	2,149	3,491	982	25,043
Inactive LPN Total	**	**	NA	3,178	1	**	3,179
RN and LPN Total							
Active Total	61,546	15,000	11,470	12,605	20,355	5,782	126,758
In-state	*	*	9,754	*	*	5,056	14,810
Out-of-state			1,716			726	2,442
% out-of-state	NA	NA	15%	NA	NA	13%	2%
Inactive Total			27,732	14,172	5		41,909
In-state	**	**	*	*	*	**	
Out-of-state							
Nurse Practitioners							
Active	2,167	300	254	299	811	215	4,046
Certified Nurse Assistants							
Active	24,900	9,488	10,300			4,083	71,385
In-state	***	8,875	9,270	22,614 ****	***	3,988	22,133
Out-of-state		613	1,030			95	1,738
% out-of-state	NA	7%	10%			2%	2%
Inactive	12,400	13,748	15,570			****	41,718
Respiratory Therapists							
Active	1,800	470	380	347	914	***	3,911

*The board cannot filter data by state of residency.

**No inactive or retirement status.
***Unable to contact/no response from board.
****Unable to tell activity status of license.
Source: State licensing boards, April and May 2003.

Table D4. Secondary Medical Surge Staffing Resources, Federal Region VIII

	Colorado	Montana	North Dakota	South Dakota	Utah	Wyoming	Regional Total
Dentists							
Active	3,843	620	358	451	2,313	421	8,006
In-state	3,843	500	299	358	2,313	253	7,566
Out-of-state	0	120	59	93	0	168	440
% out-of-state	0%	19%	17%	21%	0%	40%	6%
Veterinarians							
Active	3,500	1,000	437	760	557	560	6,814
In-state	3,500	468	205	337	557	240	5,307
Out-of-state	0	532	232	423	0	320	1,507
% out-of-state	0%	53%	53%	56%	0%	57%	22%
Podiatrists							
Active	***	70	28	66	180	34	378
In-state		44	*	35	*	6	85
Out-of-state		26		31		28	85
% out-of-state	NA	37%	NA	47%	NA	82%	23%
Pharmacists							
Active	5,491	1,481	700	1,400	1,574	1,000	11,646
In-state	3,700	883	650	760	*	450	6,443
Out-of-state	1,791	598	50	640		550	3,629
% out-of-state	33%	40%	7%	46%	NA	55%	31%

*The state board of medical examiners or equivalent cannot filter data by state of residency.
**Unable to contact/no response from board.
Source: State licensing boards, April and May 2003.

Appendix E. Regions VIII HRSA Surveys

The Region VIII State HRSA Hospital Preparedness survey instruments and results summaries were too large to be included as an appendix. Please contact each state representative for further information:

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Appendix F. Expected Staffing Needs, Region VIII

Table I-1 Expected Staffing Needs for Alternative Care Sites, Region VIII
(Based on the HRSA benchmark of 500 additional beds necessary per million population)

		Colorado	Montana	North Dakota	South Dakota	Utah	Wyoming	Region VIII
Population	**1,000,000**	**4,301,261**	**902,195**	**642,200**	**754,844**	**2,233,169**	**493,785**	**9,327,454**
Beds	500	2,150	451	321	377	1,117	247	4,663
Physicians (MD/DO)	50	215	45	32	38	110	25	464
Physician Assistants	25	108	23	16	19	55	13	232
Nurse Practitioners	25	108	23	16	19	55	13	232
Registered Nurses	100	430	90	64	75	223	49	933
Licensed Practical Nurses	200	860	180	128	150	440	99	1,865
Health Technicians (CNA)	200	860	180	128	150	440	99	1,865
Respiratory Therapists	50	215	45	32	38	110	25	464
Medical Assistant/ Phlebotomy	50	215	45	32	38	110	25	464
Lab	50	215	45	32	38	110	25	249
Unit Secretaries	100	430	90	64	75	220	49	928
Case Managers	50	215	45	32	38	110	25	464
Social Workers	50	215	45	32	38	110	25	464
House-keepers	100	430	90	64	75	220	49	928
Food	100	430	90	64	75	220	49	928
Chaplain	50	215	45	32	38	110	25	464
Day Care	0	0	0	0	0	0	0	0
Volunteers	200	860	180	128	150	440	99	1,857
Engineering/ Maintenance	12	52	11	8	9	26	6	60
Biomed	12	52	11	8	9	26	6	60
Security	100	430	90	64	75	220	49	928
Patient Transporters	100	430	90	64	75	220	49	928
Total Personnel	**1,624**	**6,665**	**1,462**	**1,039**	**1,218**	**3,573**	**801**	**14,777**

Source: US Census, 2000