

Indian Health Service  
Rockville MD 20852

To: Area Directors  
Area Statistical Officers  
Area Planning Officers

From: Director  
Office of Public Health Support

Subject: Final User Population Estimates — FY 2007

DEC 27 2007

The fiscal year 2007 (FY) user population estimates have been finalized. This report is the result of a collaborative effort among the staff of the Office of Public Health Support (OPHS) Division of Program Statistics (DPS), Area Statistical Officers, Office of Information Technology (OIT) National Patient Information Reporting System (NIPRS), and Area staff communicating with Tribes. Release of the final report follows Area review and consultation with the Tribes to reconcile and validate the data. This report was produced according to the established statistical concept of user population that has been used in prior years, i.e., an unduplicated count by residence of American Indian and Alaska Native (AI/AN) registrants who have had a direct or contract inpatient, ambulatory, or dental encounter with the health system during the last three years.

Attached is a copy of the report which shows tables containing the final user population estimates (last column) and the data used in developing the final numbers. Comments from the Areas were taken into account when finalizing and a description of the columns is also attached.

The data reflects the issues discussed in Dr. Grim's December 10, 2003 letter that user counts will be based on individually identifiable registration and encounter data received in NPIRS repositories in OIT Albuquerque. The only adjustments made this year are those resulting from information system problems that remain unresolved despite demonstrated diligence.

I would like to thank everyone who contributed to the production of user population estimates. Specifically, I would like to recognize the NPIRS staff whose outstanding work with Area and DPS staff resolved technical system problems for several sites. Your combined diligence to the task and your dedication to AI/AN healthcare are very much appreciated.

If there are any questions, please contact Ms. Edna Paisano, Director, DPS, at (301) 443-1180 or by e-mail at [edna.paisano@ihs.gov](mailto:edna.paisano@ihs.gov), and Kirk Greenway, Senior Statistician, Patient Care Statistics, at (301) 443-1180 or by email at [kirk.greenway@ihs.gov](mailto:kirk.greenway@ihs.gov).

Richard M. Church, Pharm. D.

Attachments

## Description of the Table Columns in the FY 2007 User Population Table Revision

### Column 1, Indian Registrants —

This is the total count of Indian registrants that were in the Indian Health Service (IHS) National Patient Information Reporting System (NPIRS) Patient Registration data base as of September 30, 2007. The registrants were tabulated by their service unit of residence.

A registrant is considered Indian if (1) the Tribe Code is designated as “Indian”; or (2) the Tribal designation is “unspecified”, and - the classification and/or the Indian blood quantum code is “Indian”.

### Column 2, Active Indian Registrants —

This is the count of Indian Registrants in the NPIRS data base who had at least one direct or contract inpatient stay, ambulatory care visit or dental visit between October 1, 2005 and September 30, 2007.

### Column 3, Indian User Population Estimate —

This is, in most cases, the same as the number of Active Indian Registrants shown in Column 2. Exceptions occur when there is documentation demonstrating inadequate workload information systems coverage for a service unit. This typically occurs because of data processing problems beyond an Area’s control, the workload from a tribal contractor was seriously underreported, or there was less than three years of workload data for a new tribe. For these service units, the number of active Indian registrants was manually calculated based upon the results of an extensive evaluation of local level data by Area Statistical Officers, including accurate application of the active user definition. All proposed adjustments were carefully evaluated to ensure that decisions were made on a fair, reasonable, and mathematically sound basis.

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**IHS User Population Estimates by Area and Service Unit - FY 2007**

	<b><u>FY 2007 Indian Registrants</u></b>	<b><u>FY 2007 Active Indian Registrants</u></b>	<b><u>FY 2007 Indian User Population Estimates</u></b>
<b>All Areas</b>	<b>2,304,090</b>	<b>1,435,453</b>	<b>1,463,661</b>
Aberdeen	193,652	119,379	119,379
Alaska	187,071	134,327	134,743
Albuquerque	148,329	85,671	85,671
Bemidji	138,219	94,382	100,243
Billings	116,157	70,196	70,196
California	126,463	73,427	75,010
Nashville	52,887	36,272	47,438
Navajo	346,110	228,908	237,981
Oklahoma	526,642	312,738	313,901
Phoenix	246,814	153,607	153,607
Portland	176,169	101,838	100,784
Tucson	45,577	24,708	24,708

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IHS User Population Estimates by Area and Service Unit - FY 2007

	<u>FY 2007 Indian Registrants</u>	<u>FY 2007 Active Indian Registrants</u>	<u>FY 2007 Indian User Population Estimates</u>
<b>Aberdeen Area - Total</b>	193,652	119,379	119,379
Cheyenne River	11,672	7,775	7,775
Crow Creek	6,203	3,741	3,741
Flandreau-Santee Sioux*	3,848	1,820	1,820
Fort Berthold	9,585	5,684	5,684
Lower Brule	3,006	2,009	2,009
Northern Ponca*	4,510	2,615	2,615
Omaha*	6,138	3,468	3,468
Pine Ridge	32,749	20,796	20,796
Rapid City	23,131	13,552	13,552
Rosebud	19,948	12,143	12,143
Sac and Fox*	2,545	1,783	1,783
Sisseton-Wahpeton	10,785	6,021	6,021
Spirit Lake	8,164	5,215	5,215
Standing Rock	14,801	8,941	8,941
Trenton*	2,075	1,631	1,631
Turtle Mountain	18,322	12,743	12,743
Winnebago	8,345	4,579	4,579
Yankton-Wagner	7,825	4,863	4,863

\*Trially Operated Service Unit

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IHS User Population Estimates by Area and Service Unit - FY 2007

	<b>FY 2007 Indian <u>Registrants</u></b>	<b>FY 2007 Active Indian <u>Registrants</u></b>	<b>FY 2007 Indian User Population <u>Estimates</u></b>
<b>Alaska Area - Total</b>	<b>187,071</b>	<b>134,327</b>	<b>134,743</b>
Anchorage*	78,282	56,146	55,326 1/ 2/
Annette Is. Ind. Res.*	2,065	1,442	1,442
Barrow*	6,197	4,325	4,325
Bristol Bay Area*	7,569	5,270	5,270
Interior Alaska*	20,439	12,839	12,839
Kotzebue*	9,663	7,071	7,630 3/
Mount Edgecumbe*	22,442	14,289	14,966 4/
Norton Sound*	10,171	8,309	8,309
Yukon-Kuskokwim-Delta*	30,243	24,636	24,636

\*Tribally Operated Service Unit

1/ Adjustment given to Seldovia Tribal Corporation (-929) to correct for data errors in files sent to NDW

2/ FY 2006 St Paul AW community User Population estimate given as adjustment (+109)

3/ FY 2006 Kotzebue Service Unit User Population estimate given as adjustment (+559)

4/ FY 2006 SEARHC User Population estimate given as adjustment (+677)

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	<b>FY 2007 Indian <u>Registrants</u></b>	<b>FY 2007 Active Indian <u>Registrants</u></b>	<b>FY 2007 Indian User Population <u>Estimates</u></b>
<b>Albuquerque Area - Total</b>	<b>148,329</b>	<b>85,671</b>	<b>85,671</b>
Albuquerque	65,309	32,260	32,260
Acoma-Canoncito-Laguna	16,785	11,090	11,090
Mescalero	6,423	4,585	4,585
Santa Fe	24,123	14,884	14,884
Zuni-Ramah	14,626	10,641	10,641
Southern Colorado	10,786	5,573	5,573
Ysleta Del Sur *	1,547	954	954
Jicarilla	4,949	3,488	3,488
Taos-Picuris	3,781	2,196	2,196

\*Tribally Operated Service Unit

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IHS User Population Estimates by Area and Service Unit - FY 2007

	<u>FY 2007 Indian Registrants</u>	<u>FY 2007 Active Indian Registrants</u>	<u>FY 2007 Indian User Population Estimates</u>
<b>Bemidji Area - Total</b>	<b>138,219</b>	<b>94,382</b>	<b>100,243</b>
Central Wisconsin*	32,274	23,702	23,702
Eastern Michigan*	34,023	22,193	22,255 1/2/
Fond du Lac*	585	176	5,917 3/
Grand Portage*	775	490	490
Greater Leech Lake	15,244	10,067	10,067
Mille Lacs*	3,660	2,518	2,518
Minnesota River*	3,560	2,256	2,256
Nett Lake*	2,345	1,399	1,399
Nicolet*	5,908	4,326	4,327 4/
NW Wisconsin*	13,336	8,610	8,610
Red Lake	10,427	7,807	7,824 5/
Western Michigan*	4,507	2,819	2,859 6/
White Earth	11,575	8,019	8,019

\*Tribally Operated Service Unit

- 1/ Adjusted because of a county split between two Eastern Michigan Service Unit Tribes - Sault Ste. Marie (51%) and Little Traverse (1%) and one Western Michigan Service Unit Tribe - Hannahville (48%). Agreed upon split was based on actual patient visit data from tribal databases, November 1998.
- 2/ Add the following for Service Unit 00 counties: 23 for Kalamazoo County, 30 for Newaygo County, 48 for Cheboygan County. Subtract 39 from Eastern Michigan for Western Michigan for Delta County. See footnote 1 above.
- 3/ Adjustment for Fond du Lac Service Unit (+5,741) based on FY 2006 User Population Estimate.
- 4/ Added for Service Unit 00 county: 1 for Oneida County.
- 5/ Added 17 to Red Lake OU for users in Koochiching County in Service Unit 18-32.
- 6/ Added 39 to Delta County because of a county split between Eastern and Western Michigan Service Unit Tribes - see footnote 1. Added for Service Unit 00 County: 1 for Houghton County.

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**IHS User Population Estimates by Area and Service Unit - FY 2007**

	<b>FY 2007 Indian <u>Registrants</u></b>	<b>FY 2007 Active Indian <u>Registrants</u></b>	<b>FY 2007 Indian User Population <u>Estimates</u></b>
<b>Billings Area - Total</b>	<b>116,157</b>	<b>70,196</b>	<b>70,196</b>
Blackfeet	17,843	11,360	11,360
Crow	20,386	13,066	13,066
Flathead*	19,653	11,085	11,085
Fort Belknap	7,562	4,665	4,665
Fort Peck	15,191	8,444	8,444
Northern Cheyenne	10,981	6,431	6,431
Rocky Boy's*	7,492	4,730	4,730
Wind River	17,049	10,415	10,415

\*Tribally Operated Service Unit



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IHS User Population Estimates by Area and Service Unit - FY 2007

	<b>FY 2007 Indian Registrants</b>	<b>FY 2007 Active Indian Registrants</b>	<b>FY 2007 Indian User Population Estimates</b>
<b>California Area - Total</b>	<b>126,463</b>	<b>73,427</b>	<b>75,010</b>
Cabazon*	11	6	6
Central Valley I.H.P.*	9,516	6,193	6,115 1/
Chapa De I.H.P.*	8,133	4,774	4,774
Colusa T.H.P. *	277	112	112
Consolidated T.H.P. *	3,924	2,589	2,589
Feather River Tribal Health *	6,432	3,848	3,848
Greenville *	2,345	1,199	1,199
Hoopla Health Association *	4,747	2,927	2,927
Indian Health Council *	7,544	4,353	4,353
Karuk T.H.P. *	3,324	1,831	1,831
Lake County I.H.P. *	2,708	1,865	1,865
MACT Health Board	3,158	2,108	2,108
Modoc I.H.P. *	371	175	175
Northern Valley I.H., Inc. *	2,924	1,869	1,869
Pit River I.H. Consort. *	1,308	876	876
Quartz Valley *	284	163	163
Redding Rancheria I.H.P. *	3,479	2,121	3,704 2/
Riverside-San Bernardino *	24,904	12,484	12,484
Round Valley I.H.P. *	1,762	1,328	1,328
Santa Ynez I.H.P. *	1,665	973	973
Shingle Springs *	1,614	942	942
Sonoma County I.H.P. *	7,481	4,651	4,651
Southern I.H.P. *	4,928	2,655	2,655
Susanville Indian Ranch	1,536	976	976
Sycuan Medical Center *	69	60	60
Table Mountain*	3	2	80 1/
Toiyabe I.H.P. *	4,811	2,711	2,711
Tule River I.H.P. *	5,546	2,506	2,506
Tuolumne Rural I.H.P. *	118	93	93
UIHS-Tsurai *	11,300	6,911	6,911
Warner Mountain *	241	126	126

\*Tribally Operated Service Unit

1/ Table Mountain total (+78) added to Table Mountain Service Unit Total given by NPIRS NDW UP2 report from Central Valley Service Unit

2/ FY 2006 user population estimate given as adjustment (+1,583)

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	<u>FY 2007 Indian Registrants</u>	<u>FY 2007 Active Indian Registrants</u>	<u>FY 2007 Indian User Population Estimates</u>
<b>Nashville Area - Total</b>	<b>52,887</b>	<b>36,272</b>	<b>47,438</b>
Alabama-Coushatta *	1,461	873	873
Catawba	1,971	1,041	1,041
Cayuga*	X	X	115 1/
Cherokee *	14,107	10,295	10,295
Chitimacha *	510	450	450
Choctaw *	10,837	8,969	8,969
Coushatta *	493	448	448
Houlton Band of Maliseet *	X	X	428
Jena Band of Choctaw *	163	122	130 2/
Manlius (Onondaga)*	466	269	269
Miccosukee *	869	718	718
Micmac *	X	X	480
Mohegan *	X	X	1,014
Narragansett *	1,500	680	680
Oneida *	3,039	1,758	1,758
Passamaquoddy-Ind. Township *	X	X	767
Passamaquoddy-Pleasant Pt. *	X	X	961
Penobscot *	201	50	1,342 3/
Pequot *	X	X	690
Poarch Creek *	2,850	1,936	1,936
St. Regis Mohawk *	7,793	4,386	4,386
Seminole *	5,676	3,669	3,669
Seneca *	127	25	5,436 4/
Tunica-Biloxi *	365	293	293
Wampanoag of Gayhead *	459	290	290

\* Tribally Operated Service Unit

X A number is not shown because the Tribe shares Contract Health Service Delivery Area (CHSDA) counties with another Tribe. For each shared county, there is a formal Tribal agreement for sharing users.

1/ Adjustment (+115) given using FY 2006 User Population estimate since the Tribe has not completed data submission to NDW but is expected to do so in FY 2008. This number may change based on the results of a patient matching analysis currently being conducted.

2/ Adjustment (+8) given following presentation of Area's record level evidence of patients not migrated into active user status in Behavioral Health PCC exports now underway.

3/ FY 2006 User Population Estimate (+1,292) given since the Tribe has not completed data submission to NDW this year but is expected to do so in FY 2008.

4/ Adjustment (+5,411) given using FY 2006 User Population Estimate since the Tribe has not completed data submission to NDW this year but is expected to do so in FY 2008. This number may change based on the results of a patient matching analysis currently being conducted.

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**IHS User Population Estimates by Area and Service Unit - FY 2007**

	<b>FY 2007 Indian Registrants</b>	<b>FY 2007 Active Indian Registrants</b>	<b>FY 2007 Indian User Population Estimates</b>
<b>Navajo Area - Total</b>	<b>346,110</b>	<b>228,908</b>	<b>237,981</b>
Chinle	48,274	33,535	33,535
Crownpoint	27,715	18,282	20,339 1/
Fort Defiance	42,392	27,354	30,929 2/
Gallup	60,057	41,410	41,410
Kayenta	27,233	17,238	17,238
Shiprock	71,092	48,290	51,731 3/
Tuba City*	46,381	27,438	27,438
Winslow*	22,966	15,361	15,361

\*Tribally Operated Service Unit

1/ FY 2006 User Population adjustment given for PMS Cuba (+2,057)

2/ FY 2006 User Population adjustment given for Sage Memorial Hospital (+3,575)

3/ FY 2006 User Population adjustment given for Utah Navajo Hospital (+3,441)

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**IHS User Population Estimates by Area and Service Unit - FY 2007**

	<b><u>FY 2007 Indian Registrants</u></b>	<b><u>FY 2007 Active Indian Registrants</u></b>	<b><u>FY 2007 Indian User Population Estimates</u></b>
<b>Oklahoma Area - Total</b>	<b>526,642</b>	<b>312,738</b>	<b>313,901</b>
Ada*	48,364	31,217	31,217
Claremore	163,657	95,605	96,324 1/ 2/
Clinton	17,340	9,641	9,641
Eagle Pass*	331	96	96
Haskell	12,791	3,806	3,806
Holton	4,718	2,939	2,939
Lawton	37,805	22,432	22,433 2/
Pawnee	28,958	14,851	15,152 2/
Shawnee	59,427	32,629	32,770 1/ 2/
Tahlequah	87,380	57,158	57,159 2/
Talihina*	51,771	33,633	33,633
Wewoka	14,100	8,731	8,731

\*Tribally Operated Service Unit

1/ Adjustment (+721) given for Wyandotte and Eastern Shawnee Tribe Bearskin Health Center from an unduplicated area level matching of NPIRS NDW file by OKC area statistical team to Claremore Service Unit (+716), Shawnee Service Unit (+4), and Tahlequah Service Unit (+1).

2/ Adjustment (+442) given for Iowa Tribe Perkins Family Clinic from unduplicated area level matching of NPIRS NDW file by OKC area statistical team to Claremore Service Unit (+3), Lawton Service Unit (+1), Shawnee Service Unit (+137), and Pawnee Service Unit (+301).

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	<b>FY 2007 Indian <u>Registrants</u></b>	<b>FY 2007 Active Indian <u>Registrants</u></b>	<b>FY 2007 Indian User Population <u>Estimates</u></b>
<b>Phoenix Area - Total</b>	<b>246,814</b>	<b>153,607</b>	<b>153,607</b>
Colorado River	11,927	8,163	8,163
Duck Valley*	1,859	1,236	1,236
Elko **	4,196	2,680	2,680
Fort Yuma	6,061	3,749	3,749
Keams Canyon	9,169	6,144	6,144
Phoenix	115,098	62,842	62,842
Gila River HCC	32,151	23,071	23,071
Paiute Tribe-Utah	1,240	688	688
San Carlos	14,675	11,461	11,461
Schurz*	23,964	14,190	14,190
Uintah-Ouray	6,300	3,907	3,907
Whiteriver	20,174	15,476	15,476

\*Tribally Operated Service Unit

\*\* Elko appears in two sections of the UP2 NPIRS NDW report dated 12/6/07 on pages 47 and 59.

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	<u>FY 2007 Indian Registrants</u>	<u>FY 2007 Active Indian Registrants</u>	<u>FY 2007 Indian User Population Estimates**</u>
<b>Portland Area - Total</b>	<b>176,169</b>	<b>101,838</b>	<b>100,784</b>
Coeur d'Alene *	7,865	4,356	4,371
Colville *	11,177	7,207	8,288
Fort Hall *	10,174	6,167	6,167
Klamath *	4,623	3,027	2,837
Neah Bay *	5,495	3,435	3,765
Northern Idaho *	6,219	3,821	3,790
Northwest Washington *	10,405	6,716	6,569
Puget Sound *	21,726	12,189	13,494 /1,2
Puyallup *	17,913	10,222	7,977
Southern Oregon *	6,331	3,421	3,684
Taholah *	6,285	3,458	4,151
Umatilla *	4,502	2,897	2,897
Warm Springs *	8,044	5,318	5,450
Wellpinit *	5,029	2,977	3,055 /3
Western Oregon *	23,975	11,197	10,992
Yakama *	18,689	12,170	12,111
Unassigned Service Units	7,717	3,260	1,186 /4

\* Tribally Operated Service Unit

\*\* Service Unit Counts reapportioned within area based on workload plus user population methodology of Portland Area

1/ Includes Adjustment for Jamestown S'Klallam Tribe (+352)

2/ Includes Adjustment for Nisqually Tribe (+953)

3/ Includes Adjustment for Kalispel Tribe (+78)

4/ Includes Adjustment for Cowlitz Tribe Contract Health Service Delivery Area Counties (+1186): Clark (+282), Cowlitz (+408), King (+131), Lewis (0), Pierce (+244), Thurston (+113), Skamania (+8)

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	<b>FY 2007 Indian <u>Registrants</u></b>	<b>FY 2007 Active Indian <u>Registrants</u></b>	<b>FY 2007 Indian User Population <u>Estimates</u></b>
<b>Tucson Area - Total</b>	<b>45,577</b>	<b>24,708</b>	<b>24,708</b>
Sells	36,768	18,213	18,213
Pascua Yaqui *	8,809	6,495	6,495

\* Tribally Operated Service Unit