

Indian Health Service
Rockville MD 20852
DEC 28 2006

To: Area Directors
Area Statistical Officers
Area Planning Officers

From: Director
Office of Public Health Support

Subject: Final User Population Estimates — FY 2006

The fiscal year 2006 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, Division of Program Statistics (DPS), Area Statistical Officers, Office of Information Technology (OIT) National Patient Information Reporting System (NPIRS), 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 these 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 any questions, please contact Mr. Kirk Greenway, Senior Statistician, Patient Care Statistics, at (301) 443-1180, or by e-mail at kirk.greenway@ihs.gov, or Ms. Edna Paisano, Director, DPS, at (301) 443-1180, or by e-mail at edna.paisano@ihs.gov.

Richard M. Church, Pharm. D.

Attachments

Description of the Table Columns in the FY 2006 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, 2006. 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, 2003 and September 30, 2006.

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 on-site sample survey or by 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 2006

	<u>FY 2006 Indian Registrants</u>	<u>FY 2006 Active Indian Registrants</u>	<u>FY 2006 Indian User Population Estimates</u>
All Areas	2,258,803	1,425,290	1,448,226
Aberdeen	189,253	118,347	118,347
Alaska	185,318	130,338	130,682
Albuquerque	145,004	86,504	86,504
Bemidji	143,160	98,163	98,825
Billings	114,481	70,384	70,384
California	124,880	74,210	74,248
Nashville	52,568	36,976	47,356
Navajo	339,526	227,193	236,893
Oklahoma	513,718	308,344	309,542
Phoenix	239,368	150,886	150,886
Portland	167,053	99,781	100,395
Tucson	44,474	24,164	24,164

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian Registrants	FY 2006 Active Indian Registrants	FY 2006 Indian User Population Estimates
Aberdeen Area - Total	189,253	118,347	118,347
Cheyenne River	11,715	7,938	7,938
Crow Creek	5,961	3,626	3,626
Flandreau-Santee Sioux*	3,784	1,951	1,951
Fort Berthold	9,297	5,661	5,661
Lower Brule	2,869	1,919	1,919
Northern Ponca*	4,322	2,546	2,546
Omaha*	6,031	3,435	3,435
Pine Ridge	32,903	21,004	21,004
Rapid City	21,935	13,069	13,069
Rosebud	18,949	11,787	11,787
Sac and Fox*	2,513	1,718	1,718
Sisseton-Wahpeton	10,439	5,870	5,870
Spirit Lake	8,082	5,236	5,236
Standing Rock	14,732	8,988	8,988
Trenton*	1,952	1,584	1,584
Turtle Mountain	17,910	12,695	12,695
Winnebago	8,061	4,417	4,417
Yankton-Wagner	7,798	4,903	4,903

*Trially Operated Service Unit

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian Registrants	FY 2006 Active Indian Registrants	FY 2006 Indian User Population Estimates
Alaska Area - Total	185,318	130,338	130,682
Anchorage*	75,921	52,073	52,417 1/
Annette Is. Ind. Res.*	1,916	1,331	1,331
Barrow*	6,185	4,389	4,389
Bristol Bay Area*	7,368	5,295	5,295
Interior Alaska*	20,225	12,981	12,981
Kotzebue*	10,062	7,630	7,630
Mount Edgecumbe*	23,430	15,019	15,019
Norton Sound*	10,659	7,406	7,406
Yukon-Kuskokwim-Delta*	29,552	24,214	24,214

*Tribally Operated Service Unit

1/ Adjustment given to Native Village of Eyak, Cordova Community (+344) for technical reasons resulting from a medical records software change

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IHS User Population Estimates by Area and Service Unit - FY 2006

	<u>FY 2006 Indian Registrants</u>	<u>FY 2006 Active Indian Registrants</u>	<u>FY 2006 Indian User Population Estimates</u>
Albuquerque Area - Total	145,004	86,504	86,504
Albuquerque	63,589	33,159	33,159
Acoma-Canoncito-Laguna	16,452	11,124	11,124
Mescalero	6,239	4,510	4,510
Santa Fe	23,908	15,031	15,031
Zuni-Ramah	14,285	10,571	10,571
Southern Colorado	10,524	5,532	5,532
Ysleta Del Sur *	1,442	918	918
Jicarilla	4,852	3,463	3,463
Taos-Picuris	3,713	2,196	2,196

*Trially Operated Service Unit

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian Registrants	FY 2006 Active Indian Registrants	FY 2006 Indian User Population Estimates
Billings Area - Total	114,481	70,384	70,384
Blackfeet	17,798	11,502	11,502
Crow	19,976	13,060	13,060
Flathead*	19,396	11,241	11,241
Fort Belknap	7,449	4,605	4,605
Fort Peck	15,088	8,484	8,484
Northern Cheyenne	10,704	6,410	6,410
Rocky Boy's*	7,356	4,667	4,667
Wind River	16,714	10,415	10,415

*Tribally Operated Service Unit

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian <u>Registrants</u>	FY 2006 Active Indian <u>Registrants</u>	FY 2006 Indian User Population <u>Estimates</u>
Bemidji Area - Total	143,160	98,163	98,825
Central Wisconsin*	30,933	22,691	22,691
Eastern Michigan*	32,961	21,795	21,962 1/2/
Fond du Lac*	10,333	5,917	5,917
Grand Portage*	691	466	466
Greater Leech Lake	14,683	9,926	9,926
Mille Lacs*	3,460	2,472	2,481 3/
Minnesota River*	3,372	2,182	2,182
Nett Lake*	2,283	1,416	1,416
Nicolet*	5,777	4,335	4,335
NW Wisconsin*	13,033	8,662	8,819 4/
Red Lake	9,999	7,568	7,583 5/
Western Michigan*	4,366	2,746	3,060 6/
White Earth	11,269	7,987	7,987

*Tribally Operated Service Unit

1/ Adjusted because of a county split. Delta county was split between Sault Ste. Marie (52%) and Hannaville (48%). Agreed upon split was based on actual patient visit data from tribal databases, November 1998. See footnote 6 below.

2/ The following were added for Service Unit 00 counties: 22 for Kalamazoo County, 35 for Newaygo County, 46 for Cheboygan County. Add 286 to Huron to bring up to pass-through number of 612. Add 91 to Gun Lake to bring up pass-through number of 216. Subtract 314 from Eastern Michigan for Western Michigan for Delta County. Resulting total adjustment including footnote 1 is +167.

3/ Added Indian Actives from Aitkin County (code 0127) from Service Unit 99 (+9) who are actually resident in this service unit.

4/ Added users to Bad River to adjust (+157) their current active Indian users to an expected value. Bad River's clinic burned down in the Summer of FY 06. We used the expected percent increase from service population data of 1.6 percent times the FY 05 value.

5/ Added users in Koochiching County in Service Unit 18-32 (+15)

6/ Added users to Western Michigan for Delta County (+314). See footnote 1 above.

IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian Registrants	FY 2006 Active Indian Registrants	FY 2006 Indian User Population Estimates
California Area - Total	124,880	74,210	74,248
Cabazon*	9	3	3
Central Valley I.H.P.*	9,424	6,216	6,157 1/
Chapa De I.H.P.*	7,704	4,683	4,683
Colusa T.H.P. *	273	128	128
Consolidated T.H.P. *	4,005	2,693	2,693
Feather River Tribal Health *	6,092	3,659	3,659
Greenville *	2,072	1,070	1,070
HUPA Health Association *	4,742	3,086	3,086
Indian Health Council *	7,394	4,366	4,366
Karuk T.H.P. *	3,200	1,802	1,802
Lake County I.H.P. *	2,533	1,714	1,714
MACT Health Board	2,892	1,900	1,982 2/
Modoc I.H.P. *	366	179	179
Northern Valley I.H., Inc. *	2,791	1,762	1,762
Pit River I.H. Consort. *	1,242	842	842
Quartz Valley *	239	146	146
Redding Rancheria I.H.P. *	5,897	3,704	3,704
Riverside-San Bernardino *	24,029	12,412	12,412
Round Valley I.H.P. *	1,547	1,203	1,203
Santa Ynez I.H.P. *	1,578	942	942
Shingle Springs *	1,587	933	933
Sonoma County I.H.P. *	7,259	4,520	4,520
Southern I.H.P. *	4,823	2,703	2,703
Susanville Indian Ranch	1,463	958	958
Sycuan Medical Center *	64	56	56
Table Mountain*	142	61	61 1/
Toiyabe I.H.P. *	4,757	2,703	2,703
Tule River I.H.P. *	5,612	2,576	2,576
Tuolumne Rural I.H.P. *	134	105	105
UIHS-Tsurai *	10,786	6,959	6,959
Warner Mountain *	224	126	141 3/

*Tribally Operated Service Unit

1/ Table Mountain total (+59) added to Table Mountain Service Unit Total given by NPIRS NDW UP2 report from Central Valley Service Unit (Tribe Code 432 for Table Mountain Rancheria, CA) UP 7 page 33 12/7/06 report from NPIRS NDW

2/ Adjustment given to Tribe following consultation between tribe, California Rural Indian Health Board (nongovernmental organization), Area Office, and Program Statistics (+82)

3/ Adjustment given to Tribe following consultation between tribe, California Rural Indian Health Board (nongovernmental organization), Area Office, and Program Statistics (+15)

IHS User Population Estimates by Area and Service Unit - FY 2006

	<u>FY 2006 Indian Registrants</u>	<u>FY 2006 Active Indian Registrants</u>	<u>FY 2006 Indian User Population Estimates</u>
Nashville Area - Total	52,568	36,976	47,356
Alabama-Coushatta *	1,470	929	929
Catawba	1,901	1,001	1,110 1/
Cayuga*	X	X	115 2/
Cherokee *	13,804	10,082	10,082
Chitimacha *	438	391	437 3/
Choctaw *	10,726	8,926	8,926
Coushatta *	397	362	431 4/
Houlton Band of Maliseet *	X	X	328
Jena Band of Choctaw *	150	113	113
Manlius (Onondaga)*	X	X	252
Miccosukee *	797	642	642
Micmac *	X	X	459
Mohegan *	X	X	1,504
Narragansett *	1,482	684	684
Oneida *	2,984	1,754	1,760 5/
Passamaquoddy-Ind. Township *	X	X	681
Passamaquoddy-Pleasant Pt. *	X	X	859
Penobscot *	1,840	1,342	1,342
Pequot *	X	780	780
Poarch Creek *	2,843	1,894	1,894
St. Regis Mohawk *	7,653	4,330	4,330
Seminole *	5,292	3,432	3,648 6/
Seneca *	X	X	5,436 7/
Shared Counties	X	X	X
Tunica-Biloxi *	385	312	316
Wampanoag of Gayhead *	406	2	298 8/

* Tribally Operated Service Unit

X/ A number for Shared Counties is not shown because nine tribes share nine CHSDA counties. For each county, there is a formal tribal agreement for sharing users.

1/ Adjustment (+109) given following unduplication of electronic service unit registry file

2/ Adjustment (+155) given following unduplication of electronic service unit registry file

3/ Adjustment (+46) given following unduplication of electronic service unit registry file

4/ Adjustment (+69) given following unduplication of electronic service unit registry file

5/ Net adjustment (-63) given following (a) transfer of Onondaga from Oneida to Manlius Onondaga Service Unit (- 69) and (b) analysis of files sent to NPIRS NDW using DRE module of RPMS on 11/13 (+ 6)

6/ Adjustment (+216) given following unduplication of electronic service unit registry file

7/ Adjustment (+5,415) given following unduplication of electronic service unit registry file

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian Registrants	FY 2006 Active Indian Registrants	FY 2006 Indian User Population Estimates
Navajo Area - Total	339,526	227,193	236,893
Chinle	47,218	33,148	33,148
Crownpoint	27,346	18,409	20,466 1/
Fort Defiance	41,962	27,533	31,108 2/
Gallup	59,380	41,603	41,603
Kayenta	26,798	17,228	17,228
Shiprock	70,299	48,482	51,923 3/
Tuba City*	45,469	26,939	26,939
Winslow*	21,054	13,851	14,478 4/

*Tribally Operated Service Unit

1/ User Population adjustment for PMS Cuba (+2,057) based on automated NPIRS NDW matching.

2/ User Population adjustment for Sage Memorial Hospital (+3,575) based on automated NPIRS NDW matching.

3/ User Population adjustment for Utah Navajo Hospital (+3,441) based on automated NPIRS NDW matching.

4/ User Population adjustment for Winslow Memorial Hospital (+627) based on automated NPIRS NDW matching.

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IHS User Population Estimates by Area and Service Unit - FY 2006

	<u>FY 2006 Indian Registrants</u>	<u>FY 2006 Active Indian Registrants</u>	<u>FY 2006 Indian User Population Estimates</u>
Oklahoma Area - Total	513,718	308,344	309,542
Ada*	48,443	31,835	31,835
Claremore	157,128	91,687	92,429 1/ 2/
Clinton	16,891	9,610	9,610
Eagle Pass*	242	92	92
Haskell	12,613	3,992	3,992
Holton	4,519	2,599	2,599
Lawton	36,915	22,521	22,521
Pawnee	28,398	14,791	15,102 2/
Shawnee	58,665	32,815	32,960 2/
Tahlequah	85,169	56,546	56,546
Talihina*	50,281	32,801	32,801
Wewoka	14,454	9,055	9,055

*Trially Operated Service Unit

1/ Adjustment given for Wyandotte and Eastern Shawnee Tribe Bearskin Health Center (+738) unduplicated area level matching of NPIRS NDW file by OKC area statistical team.

2/ Adjustment given to Claremore Service Unit (+4), Shawnee Service Unit (+145), and Pawnee Service Unit (+311) from an unduplicated area level matching of NPIRS NDW file using data from the Iowa Tribe Perkins Family Clinic.

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian <u>Registrants</u>	FY 2006 Active Indian <u>Registrants</u>	FY 2006 Indian User Population <u>Estimates</u>
Phoenix Area - Total	239,368	150,886	150,886
Colorado River	11,540	7,778	7,778
Duck Valley*	1,798	1,213	1,213
Elko **	4,288	2,678	2,678
Fort Yuma	5,849	3,665	3,665
Keams Canyon	8,830	5,988	5,988
Phoenix	112,001	62,231	62,231
Gila River HCC	30,518	22,065	22,065
Paiute Tribe-Utah	1,176	714	714
San Carlos	14,392	11,419	11,419
Schurz*	23,064	13,944	13,944
Uintah-Ouray	6,223	3,950	3,950
Whiteriver	19,689	15,241	15,241

*Tribally Operated Service Unit

** Elko appears in two sections of the UP2 NPIRS NDW report dated 12/7/06 on pages 46 and 58.

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	FY 2006 Indian Registrants	FY 2006 Active Indian Registrants	FY 2006 Indian User Population Estimates
Portland Area - Total	167,053	99,781	100,395
Coeur d'Alene *	7,677	4,361	4,361
Colville	10,819	7,236	7,236
Fort Hall	10,068	6,172	6,172
Klamath *	4,442	3,004	3,004
Neah Bay	5,342	3,377	3,644 1/
Northern Idaho	6,119	3,798	3,798
Northwest Washington *	9,777	6,299	6,299
Puget Sound	21,863	12,761	12,761
Puyallup *	17,369	10,149	10,149
Southern Oregon *	6,159	3,412	3,412
Taholah *	6,403	3,584	3,584
Umatilla *	4,282	2,796	2,796
Warm Springs	7,876	5,338	5,338
Wellpinit	4,967	3,033	3,033
Western Oregon	23,253	11,253	11,253
Yakama	18,844	12,509	12,509
Unassigned Service Units	1,793	699	1,046 2/

* Tribally Operated Service Unit

1/ Includes adjustment for Jamestown S'Klallam Tribe (+267).

2/ Includes adjustment for Cowlitz Tribe (+347) plus non service unit counties (Cowlitz - 5305= 333; Island - 5315= 49; Clark - 5308= 306; San Juan - 5328= 11) of 699 additional users listed here as the Active Indian Registrants and included in the final total for the unassigned service units.

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IHS User Population Estimates by Area and Service Unit - FY 2006

	FY 2006 Indian <u>Registrants</u>	FY 2006 Active Indian <u>Registrants</u>	FY 2006 Indian User Population <u>Estimates</u>
Tucson Area - Total	44,474	24,164	24,164
Sells	35,911	17,834	17,834
Pascua Yaqui	8,563	6,330	6,330