

Abstract: NCI has created a Hospital File that includes information about hospitals that are part of the SEER-Medicare data. Information about these hospitals has been obtained from several sources. These include the Healthcare Cost Report (HCRIS) and the Provider of Service (POS) survey obtained from the Center for Medicare and Medicaid Services (CMS). The Hospital File includes selected variables from the HCRIS and POS files from 1996, 1998, and 2000-2016. It should be noted that there are differences between the HCRIS and POS files as to exact time periods and how selected variables are defined. NCI has not attempted to resolve any inconsistencies between files, but is making researchers aware of these differences. The Hospital File also includes information about whether the institution was an NCI designated cancer center as of 2002, 2005, 2010 and 2017 as well as variables denoting if the hospital participated in any of NCI sponsored cooperative group trials.

Number of Records:

1996 – 8,991 Records
1998 – 9,190 Records
2000 – 9,630 Records
2001 – 9,989 Records
2002 – 10,299 Records
2003 – 10,602 Records
2004 – 10,871 Records
2005 – 11,119 Records
2006 – 11,281 Records
2007 – 11,415 Records
2008 – 11,540 Records
2009 – 11,656 Records
2010 – 11,751 Records
2011 – 12,062 Records
2012 – 12,143 Records
2013 – 12,217 Records
2014 – 12,296 Records
2015 – 12,390 Records
2016 – 12,477 Records
2017 – 12,529 Records
2018 – 12,591 Records
2019 – 12,662 Records
2020 – 12,984 Records
2021 – 13,138 Records
2022 – 13,206 Records

All files must be used together as a complete list of all Hospital Providers.

<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>NOTES</u>
1	Provider Number (prov_num)	6	Hospital Identification Number; encrypted to match the provider number (hospital ID) on the MEDPAR, Outpatient, HHA and Hospice Files. For more information: https://www.cms.gov/Regulations-and-Guidance/Guidance/Transmittals/Downloads/R82SOMA.pdf
<u>Start of POS Data</u>			
7	State Abbreviation (prov3230)	2	State abbreviation: AL = Alabama AK = Alaska AZ = Arizona AR = Arkansas AS = American Samoa CA = California CO = Colorado CT = Connecticut CN = Canada DE = Delaware DC = Washington, D.C. FL = Florida GA = Georgia GU = Guam HI = Hawaii ID = Idaho IL = Illinois IN = Indiana IA = Iowa KS = Kansas KY = Kentucky LA = Louisiana ME = Maine MD = Maryland MA = Massachusetts MI = Michigan

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>NOTES</u>
7	State Abbreviation (prov3230) (cont.)	2	MN = Minnesota MS = Mississippi MO = Missouri MT = Montana MP = Saipan MX = Mexico NE = Nebraska NV = Nevada NH = New Hampshire NJ = New Jersey NM = New Mexico NY = New York NC = North Carolina ND = North Dakota OH = Ohio OK = Oklahoma OR = Oregon PA = Pennsylvania PR = Puerto Rico RI = Rhode Island SC = South Carolina SD = South Dakota TN = Tennessee TX = Texas UT = Utah VT = Vermont VA = Virginia VI = Virgin Islands WA = Washington WV = West Virginia WI = Wisconsin WY = Wyoming
9	Accreditation Effective Date (prov0000m, prov0000d, prov0000y)	8	The effective date of the current period of accreditation by joint commission on accreditation of health care organizations (JCAHO) or the American osteopathic association (AOA). (MMDDYYYY)
17	Accreditation Expiration Date (prov0005m, prov0005d, prov0005y)	8	The expiration date of the current period of accreditation by the JCAHO or the AOA. (MMDDYYYY)

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25	Accreditation Indicator (prov0010)	1	Indicates the organization that is responsible for the accreditation of the provider. 0 = None 1 = JCAHO 2 = AOA 4 = Both
26	Current Survey Date (1996-2010) (prov2740m, prov2740d, prov2740y)	8	The date of the health of life safety code survey, whichever is later. The "Official" survey date for the provider. (MMDDYYYY)
34	Current Survey Ever Non-Accredited? (1996-2012) (prov3555)	1	Indicates if this provider was a non-accredited hospital anytime during the current survey. Y = Yes N = No
35	Category of Provider/Supplier (prov0075)	2	Identifies the category which is most indicative of the provider or supplier. 01 = Hospitals
37	Subtype of Provider (prov0085)	2	A further breakdown of provider Category for skilled nursing facilities and hospitals. 01 = Short Term 02 = Long Term 03 = Religious Non Medical Health Care Institutions 04 = Psychiatric 05 = Rehabilitation 06 = Childrens 07 = Alcohol/Drug 08 = PPS Exempt Rehabilitation 09 = PPS exempt Psychiatric 10 = PPS Exempt Alcohol/Drug 11 = Critical Access Hospitals
39	Current FMS Survey Date (1996-2010) (prov0500m, prov0500d, prov0500y)	8	Current FMS Survey Date (MMDDYYYY)

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47	Program Participation (prov1670)	1	Indicates if the provider participates in Medicare, Medicaid, or both programs. 0 = Neither 1 = Medicare Only 2 = Medicaid Only 3 = Medicare and Medicaid
48	Record Type (1996-2010) (prov1720)	1	This indicator specifies the current status of the record. A = Accepted P = Pending W = Work
49	Skeleton Record Indicator (prov2045)	1	Indicates record is a skeleton record. This means only a limited set of the provider data is available for this provider. Y = Yes
50	Prior Change of Ownership (prov1615m, prov1615d, prov1615y)	8	The date of a prior change of ownership. (MMDDYYYY)
58	Change of Ownership Counter (prov0095)	8	The number of times a change of ownership has taken place for a particular provider.
66	Change of Ownership Date (prov0100m, prov0100d, prov0100y)	8	Effective date of a change of ownership. (MMDDYYYY)
74	Type of Control (prov2885)	2	Indicates the nature of the organization that operates a provider of services. 01 = Voluntary Non-Profit – Church 02 = Voluntary Non-Profit – Private 03 = Voluntary Non-Profit – Other 04 = Proprietary 05 = Government – Federal 06 = Government – State 07 = Government – Local 08 = Government – Hosp. Dist. Or Auth.

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>NOTES</u>
76	FIPS State (fipstate)	2	FIPS State Code 01 = Alabama 02 = Alaska 60 = American Samoa 04 = Arizona 05 = Arkansas 81 = Baker Island 06 = California 08 = Colorado 09 = Connecticut 10 = Delaware 11 = District of Columbia 12 = Florida 64 = Federated States of Micronesia 13 = Georgia 66 = Guam 15 = Hawaii 84 = Howland Island 16 = Idaho 17 = Illinois 18 = Indiana 19 = Iowa 86 = Jarvis Island 67 = Johnston Atoll 20 = Kansas 21 = Kentucky 89 = Kingman Reef 22 = Louisiana 23 = Maine 68 = Marshall Islands 24 = Maryland 25 = Massachusetts 26 = Michigan

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76	FIPS State (fipstate) (<i>cont.</i>)	2	71 = Midway Islands 27 = Minnesota 28 = Mississippi 29 = Missouri 30 = Montana 76 = Navassa Island 31 = Nebraska 32 = Nevada 33 = New Hampshire 34 = New Jersey 35 = New Mexico 36 = New York 37 = North Carolina 38 = North Dakota 69 = Northern Mariana Islands 39 = Ohio 40 = Oklahoma 41 = Oregon 70 = Palau 95 = Palmyra Atoll 42 = Pennsylvania 43 = Puerto Rico (reserved) 72 = Puerto Rico 44 = Rhode Island 45 = South Carolina 46 = South Dakota 47 = Tennessee 48 = Texas 74 = U.S. Minor Outlying Islands 49 = Utah 50 = Vermont 51 = Virginia 78 = Virgin Islands of the U.S. 79 = Wake Island 53 = Washington 54 = West Virginia 55 = Wisconsin 56 = Wyoming 57 = Pacific coast from Washington to California

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76	FIPS State (fipstate) (<i>cont.</i>)	2	58 = Alaskan coast 59 = Hawaiian coast 61 = American Samoa waters 65 = Mariana Islands waters (including Guam) 73 = Atlantic coast from Maine to Virginia 75 = Atlantic coast from North Carolina to Florida, and the coasts of Puerto Rico and Virgin Islands 77 = Gulf of Mexico 91 = Lake Superior 92 = Lake Michigan 93 = Lake Huron 94 = St. Clair River, Detroit River, and Lake St. Clair 96 = Lake Erie 97 = Niagara River and Lake Ontario 98 = St. Lawrence River

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78	SSA State Code (prov2700)	2	SSA State Code indicating the state where the facility is located. 01 = Alabama 02 = Alaska 03 = Arizona 04 = Arkansas 05, 55, 75 = California 06 = Colorado 07 = Connecticut 08 = Delaware 09 = Washington, D.C. 10, 68, 69 = Florida 11 = Georgia 12 = Hawaii 13 = Idaho 14, 78 = Illinois 15 = Indiana 16, 76 = Iowa 17, 70 = Kansas 18 = Kentucky 19, 71 = Louisiana 20 = Maine 21, 80 = Maryland 22 = Massachusetts 23 = Michigan24, 77 = Minnesota 25 = Mississippi 26 = Missouri 27 = Montana 28 = Nebraska 29 = Nevada 30 = New Hampshire

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80	State Region Code (prov2710)	3	For selected states identifies the particular region within the state where the facility is located.
83	CMS Region Code (prov1725)	2	The CMS regional office having responsibility for the state in which the provider is located. 01 = Boston 02 = New York 03 = Philadelphia 04 = Atlanta 05 = Chicago 06 = Dallas 07 = Kansas City 08 = Denver 09 = San Francisco 10 = Seattle
85	Medical School Affiliation (prov0645)	1	The type of affiliation that a hospital may have with a medical school. 1 = Major 2 = Limited 3 = Graduate 4 = No Affiliation
86	Resident Program Approved by AMA? (1996-2012) (prov1810)	1	Indicates if the resident program at a hospital is approved by the American Medical Association. N = Not Approved Y = Approved
87	Resident Program Approved by AOA? (1996-2012) (prov1815)	1	Indicates if the resident program at a hospital is approved by the American Osteopathic Association. N = Not Approved Y = Approved
88	Resident Program Approved by Other? (1996-2012) (prov1820)	1	Indicates if the resident program at a hospital is approved by other professional organizations. N = Not Approved Y = Approved
89	Residents (prov1165)	8.2	The number of full-time equivalent residents (physicians) employed by a hospital.
97	Beds – Total (prov0740)	8	Total number of beds in a facility, including those in non-participating or non-licensed areas.

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105	Beds – Total Certified (prov0755)	8	Number of beds in Medicare and/or Medicaid certified areas within a facility.
*	The variables in columns 113-130 have these values:		0 = Not Provided 1 = Provided by Staff 2 = Provided Under Arrangement 3 = Provided by Staff and Under Arrangement
*113	Acute Renal Dialysis (prov2055)	1	Indicates how acute renal dialysis services are provided in a hospital.
*114	Burn Care Unit (prov2090)	1	Indicates how burn care unit services are provided by a hospital.
*115	Coronary care Unit (prov2110)	1	Indicates how coronary care unit services are provided by a hospital.
*116	Emergency Services (prov2140)	1	Indicates how organized emergency services are provided by a hospital.
*117	Home Care Services (1996-2010) (prov2160)	1	Indicates how home care services are provided by a hospital.
*118	Hospice Services (1996-2010) (prov2175)	1	Indicates how hospice services are provided by a hospital.
*119	Intensive Care Unit (prov2185)	1	Indicates how intensive care unit services are provided by a hospital.
*120	Inpatient Surgical (prov2190)	1	Indicates how inpatient surgical services are provided by a hospital.
*121	Long Term Care Unit (1996-2010) (prov2215)	1	Indicates how long term care unit services are provided in a hospital.
*122	Nuclear Medicine (prov2245)	1	Indicates how nuclear medicine services are provided by a hospital.
*123	Open Heart Surgery Facility (prov2285)	1	Indicates how open heart surgery facility services are provided by a hospital.
*124	Operating Rooms (prov2300)	1	Indicates how operating room services are provided by a hospital.
*125	Organ Transplant (prov2315)	1	Indicates how organ transplant services are provided by a hospital.
*126	Outpatient Services (prov2350)	1	Indicates how outpatient services are provided by a hospital.

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*127	Outpatient Surgery Unit (prov2355)	1	Indicates how outpatient surgery unit services are provided by a hospital.
*128	Radiology (Diagnostic) (prov2440)	1	Indicates how diagnostic radiology services are provided by a hospital.
*129	Radiology (Therapeutic) (prov2445)	1	Indicates how therapeutic radiology services are provided by a hospital.
*130	Shock Trauma (prov2475)	1	Indicates how shock trauma services are provided by a hospital.
131	Licensed Pract/Vocat Nurses (prov0955)	8.2	Number of full-time equivalent licensed practical of vocational nurses employed by a hospital.
139	Physicians (prov1110)	8.2	Number of full-time equivalent physicians employed by a provider.
147	Registered Nurses (prov1145)	8.2	Number of full-time equivalent professional nurses employed by a provider.
155	Zip Code (prov2905)	5	Encrypted Zip Code (zip code from POS). *Special permission required for the unencrypted zip code.

Start of the HCRIS data

160	Cost Reporting Period Begin Date (F22m,F22d,F22y)	8	Cost Reporting Period Begin Date (MMDDYYYY)
168	Cost Reporting Period End Date (F23m,F23d,F23y)	8	Cost Reporting Period End Date (MMDDYYYY)
176	Cost Report Status (F74)	1	Cost Report Status 1 = As Submitted 2 = Settled w/o Audit 3 = Settled with Audit 4 = Reopened 5 = Amended
177	Number of Months in Reporting Period (F24)	8	Number of Months in Reporting Period (calculated using begin and end date for years 2017+)
185	Hospital Payment System (F19)	1	Title XVIII Hospital Payment System P = PPS T = TEFRA O = Other

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<u>COL</u>	<u>FIELD</u>	<u>LENGTH</u>	<u>NOTES</u>
186	Hospital Payment System (F19b)	1	Title XIX Hospital Payment System Not available for years 2017+ P = PPS T = TEFRA O = Other
187	Does Facility Qualify for DSH Payments? (F30)	1	Does Facility Qualify for Disproportionate Share (DSH) Payments? Y = Yes N = No
188	Type of Control (F25)	2	Type of Control Not available for years 2017+ 01 = Voluntary Nonprofit, Church 02 = Voluntary Nonprofit, Other 03 = Proprietary, Individual 04 = Proprietary, Corporation 05 = Proprietary, Partnership 06 = Proprietary, Other 07 = Governmental, Federal 08 = Governmental, City-County 09 = Governmental, County 10 = Governmental, State 11 = Governmental Hospital District 12 = Governmental, City 13 = Governmental, Other
190	Type of Facility (F26)	2	Type of Hospital/Sub-provider 01 = General Short Term 02 = General Long Term 03 = Cancer 04 = Psychiatric 05 = Rehabilitation 06 = Religious Non-Medical Health Care Institution 07 = Children 08 = Alcohol and Drug 09 = Other

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192	SSA State Code (F71)	2	SSA State Code First two digits in provider # 01 = Alabama 02 = Alaska 03 = Arizona 04 = Arkansas 05, 55, 75 = California 06 = Colorado 07 = Connecticut 08 = Delaware 09 = Washington, D.C. 10, 68, 69 = Florida 11 = Georgia 12 = Hawaii 13 = Idaho 14, 78 = Illinois 15 = Indiana 16, 76 = Iowa 17, 70 = Kansas 18 = Kentucky 19, 71 = Louisiana 20 = Maine 21, 80 = Maryland 22 = Massachusetts 23 = Michigan 24, 77 = Minnesota 25 = Mississippi 26 = Missouri 27 = Montana 28 = Nebraska 29 = Nevada 30 = New Hampshire

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194	CMS Region (F77)	2	CMS Region 01 = Boston 02 = New York 03 = Philadelphia 04 = Atlanta 05 = Chicago 06 = Dallas 07 = Kansas 08 = Denver 09 = San Francisco 10 = Seattle
196	Does Hospital Qualify as a Rural Primary Hospital (F47)	1	Does hospital qualify as a Rural Primary Hospital? Y = Yes N = No
197	Is Hospital Urban/Rural (1996-2010) (F29)	1	Is Hospital Urban or Rural? 1 = Urban 2 = Rural
198	Sole Community Hospital (F39)	1	Number of periods in Sole Community Hospital (SCH) Status
199	Teaching Hospital? (F38)	1	Is this a teaching hospital or affiliated with a teaching hospital? Y = Yes N = No
200	Interns and Residents – Total Hospital (F164)	11.2	Number of interns and residents in the hospital
211	Interns and Residents – Total Facility (F165)	11.2	Number of interns and residents in the whole facility
222	Beds – Total (F85)	8	Total number of beds
230	Hospital Adults and Pediatric Beds (F78)	8	Number of adult and pediatric hospital beds
238	CCU Beds (F80)	8	Number of CCU beds
246	Hospice Beds (F91)	8	Number of Hospice beds
254	ICU Beds (F79)	8	Number of ICU beds
262	SICU Beds (F82)	8	Number of SICU beds

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270	Transplant Center (F32)	1	Transplant Center Y = Yes N = No
271	Medicare Hospital Days (F107)	8	Medicare hospital days
279	Medicaid Hospital Days (F123)	8	Medicaid hospital days
287	Total Adult and Pediatric Bed Days (F143)	8	Total adult and pediatric bed days
295	Total Inpatient Days – Hospital (F153)	8	Total inpatient days – hospital
303	Total Observation Bed Days (F163)	8	Total observation bed days
311	Medicare Discharges (F172)	8	Medicare discharges – total hospital
319	Medicaid Discharges (F175)	8	Medicaid discharges – total hospital
327	Total Discharges (F178)	8	Total discharges – all patients – hospital
335	Is hospital classified as referral center? (F31)	1	Is hospital classified as referral center? Y = Yes N = No
336	Urban/Rural at beginning of Year (2003-2010) (S2_2104_100)	1	Urban/Rural flag at beginning of Reporting Period. Partially populated in 2003 and 2010; replaced by S2_2600 starting in 2010. 1 = Urban 2 = Rural
337	Urban/Rural at end of Year (2003-2010) (S2_2105_100)	1	Urban/Rural flag at end of Reporting Period. Partially populated in 2003 and 2010; replaced by S2_2700 starting in 2010. 1 = Urban 2 = Rural
338	Urban/Rural at beginning of Year (2010-2011) (S2_2600_100)	1	Urban/Rural flag at beginning of Reporting Period. Partially populated in 2010. 1 = Urban 2 = Rural

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339	Urban/Rural at end of Year (2010-2011) (S2_2700_100)	1	Urban/Rural flag at end of Reporting Period. Partially populated in 2010. 1 = Urban 2 = Rural
340	Year (year)	4	Year of the File

Start of NCI Cancer Center and Cooperative Group Variables

344	NCI Center (nci_cen_02)	1	NCI designated cancer center as of 2002 0 = No 1 = Clinical 2 = Comprehensive
345	American College of Surgeons Oncology Group (ACOSOG_02)	1	0 = Not a member of the group 1 = Member of the group
346	Cancer and Leukemia Group B (CALGB_02)	1	0 = Not a member of the group 1 = Member of the group
347	Childrens Cancer Group (CCG_02)	1	0 = Not a member of the group 1 = Member of the group
348	Childrens Oncology Group (COG_02)	1	0 = Not a member of the group 1 = Member of the group
349	Cancer Trials Support Unit (a service of the National Cancer Institute) (CTSU_02)	1	0 = Not a member of the group 1 = Member of the group
350	Eastern Co-operative Oncology Group (ECOG_02)	1	0 = Not a member of the group 1 = Member of the group
351	Expanded Participation Project (EPP_02)	1	0 = Not a member of the group 1 = Member of the group
352	Gynecologic Oncology Group (GOG_02)	1	0 = Not a member of the group 1 = Member of the group
353	M.D. Anderson Cancer Center (MDA_02)	1	0 = Not a member of the group 1 = Member of the group
354	North Central Cancer Treatment Group (NCCTG_02)	1	0 = Not a member of the group 1 = Member of the group

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355	National Surgical Adjuvant Breast and Bowel Project (NSABP_02)	1	0 = Not a member of the group 1 = Member of the group
356	Pediatric Oncology Group (POG_02)	1	0 = Not a member of the group 1 = Member of the group
357	Radiation Therapy Oncology Group (RTOG_02)	1	0 = Not a member of the group 1 = Member of the group
358	Southwest Oncology Group (SWOG_02)	1	0 = Not a member of the group 1 = Member of the group
359	North American Brain Tumor Consortium (NABTC_02)	1	0 = Not a member of the group 1 = Member of the group
360	Co-operative group count (coop_cnt_02)	2	Number of co-operative groups the hospital is a member of (as of 2002)
362	American College of Surgeons Oncology Group (ACOSOG_05)	1	0 = Not a member of the group 1 = Member of the group
363	American College of Radiology Imaging Network (ACRIN_05)	1	0 = Not a member of the group 1 = Member of the group
364	Cancer and Leukemia Group B (CALGB_05)	1	0 = Not a member of the group 1 = Member of the group
365	Eastern Co-operative Oncology Group (ECOG_05)	1	0 = Not a member of the group 1 = Member of the group
366	Gynecologic Oncology Group (GOG_05)	1	0 = Not a member of the group 1 = Member of the group
367	North Central Cancer Treatment Group (NCCTG_05)	1	0 = Not a member of the group 1 = Member of the group
368	National Surgical Adjuvant Breast and Bowel Project (NSABP_05)	1	0 = Not a member of the group 1 = Member of the group
369	Radiation Therapy Oncology Group (RTOG_05)	1	0 = Not a member of the group 1 = Member of the group
370	Southwest Oncology Group (SWOG_05)	1	0 = Not a member of the group 1 = Member of the group

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371	Co-operative group count (coop_cnt_05)	2	Number of co-operative groups the hospital is a member of (as of 2005)
373	NCI Center (nci_cen_05)	1	NCI designated cancer center as of 2005 0 = No 1 = Clinical 2 = Comprehensive
374	NCI Center (nci_cen_10)	1	NCI designated cancer center as of 2010 0 = No 1 = Clinical 2 = Comprehensive
375	NCI Center (nci_cen_17)	1	NCI designated cancer center as of 2017 0 = No 1 = Clinical 2 = Comprehensive
376	Commission on Cancer Accredited Hospital (coc_hosps)	1	American College of Surgeons Commission on Cancer accreditation based on information obtained from https://www.facs.org/search/cancer-programs , as of 2/2017
377	SEER Area Flag pre-2000 (seer_area)	1	Identifies if the provider is in a SEER area prior to 2000. 0 = Not a SEER area prior to 2000 1 = SEER area prior to 2000 This is based on the FIPS state code (fipstate) and a list of FIPS county codes for states: Washington, Georgia, California and Michigan
378	SEER Area Flag 2000+ (seer_area_2000)	1	Identifies if the provider is in a SEER area from 2000 on. 0 = Not a SEER area, year 2000+ 1 = SEER area, year 2000+ This is based on the FIPS state code (fipstate) and a list of FIPS county codes for states: Washington, Georgia and Michigan
379	Critical Access Hospital Indicator (cah_var)	1	Critical Access Hospital Indicator 0 = No 1 = Yes
380	Critical Access Hospital Year (cert_cahyr)	4	Year the hospital became a Critical Access Hospital (CAH)

If the HCRIS record for a hospital is not available, then all HCRIS variables written to the Hospital file will be blank. If however, the hospital has a HCRIS record for that year, any HCRIS variable that is blank, was reset to "9's". If a variable is not available for that year that variable is set to "8's". Same for the POS variables.