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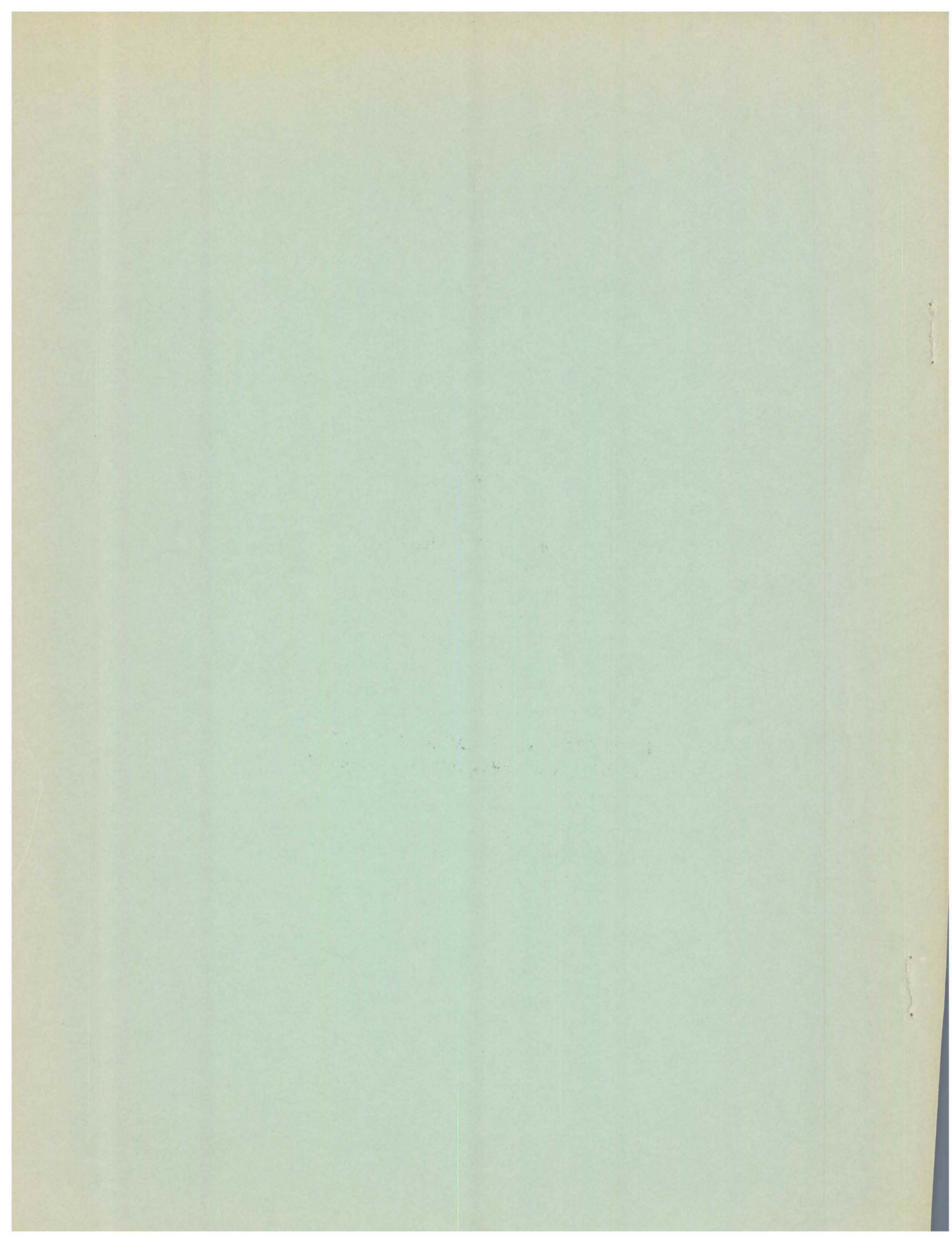
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IOWA
MORBIDITY REPORT

1951 - 1960

IOWA STATE DEPARTMENT OF HEALTH
DIVISION OF PREVENTABLE DISEASES



TO: Edmund G. Zimmerer, M. D.
Commissioner of Public Health

The Divisions of Preventable Diseases, Tuberculosis Control and Venereal Disease Control, present the Iowa State Department of Health Morbidity Report for the Ten-Year Period, 1951 - 1960.

While an annual report is not made in a form similar to this, annual summaries of all major diseases are on record both in the reports to the State Board of Health and in the Journal of the Iowa Medical Society. In each issue of the latter publication there appears at least two pages of material from the State Department of Health. This includes monthly morbidity reports, annual summaries of disease and other items of public health interest to Iowa physicians. Over a year's period this material in 24 to 48 pages of the Journal under the title, "State Department of Health", gives a good summary of communicable disease activities in Iowa in a Journal easily accessible to people in and out of the state.

We have attempted to give more meaning to the summaries by the addition of footnotes to several of them. These notes are intended to be helpful either in an interpretation of the cases reported or to point to more complete reports concerning them.

Staff members who cooperated in the preparation of material for this report include: Stanley L. Hendricks, D. V. M., Assistant Director, Division of Preventable Diseases; Joy Harmon, R. N., Consultant Nurse, Division of Tuberculosis Control; and, Harold L. Boyd, Administrative Assistant, Division of Venereal Disease Control.

Ralph H. Heeren, M. D., Director
Divisions of Preventable Diseases,
Tuberculosis Control and
Venereal Disease Control

October 2, 1961

The diseases summarized in this, the 1951 - 1960 report on communicable diseases, differ in several instances from the diseases included in the previous ten-year summary. Smallpox and malaria are not included here because during the ten-year interval no cases, proved either to be smallpox or to be malaria actually acquired in Iowa, were reported to us. The pneumonia summary has been dropped for another reason. Almost all of our pneumonia case reports come to us from death certificates. We feel there is little value in reporting these.

Tuberculosis, trichinosis, gonorrhoea and syphilis, for reasons which we cannot discover now, were not included in the previous summary. We have felt it well to present them in this one. Leptospirosis, psittacosis, Coxsackie virus infections and ECHO virus infections represent some of the diseases summarized for the first time. These diseases had either never been reported or, as psittacosis, had been only infrequently reported prior to this period.

While we attempted prior to 1957 to classify reported poliomyelitis cases either as paralytic or non-paralytic, it was not until that year that we were able to get all of them into one or the other of the two categories. For this reason, they are not presented separately until 1957. Thus in 1957 and subsequently they are listed - paralytic / non-paralytic. On that basis the number appearing to the left of the "/" are paralytic poliomyelitis. Those to the right are non-paralytic. The same arrangement is made for meningeal and salmonella infections.

Case registries are maintained for all reported cases of typhoid fever, brucellosis, syphilis and tuberculosis. A carrier registry for typhoid carriers is also maintained. Yearly summaries of all diseases for which we have case registries or carrier registries can be found in the section, "State Department of Health", in the Journal of the Iowa Medical Society.

AMEBIASIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR										1	1
ADAMS											
ALLAMAKEE											
APPANOOSE			1			1					2
AUDUBON											
BENTON					1				1		2
BLACKHAWK											
BOONE	7			7	10		16	52	7	2	101
BREMER											
BUCHANAN											
BUENA VISTA											
BUTLER							1				1
CALHOUN											
CARROLL											
CASS						1					1
CEDAR									1		1
CERRO GORDO					1	1	3				5
CHEROKEE						1				1	2
CHICKASAW											
CLARKE											
CLAY							2				2
CLAYTON											
CLINTON							1				1
CRAWFORD											
DALLAS											
DAVIS								2			2
DECATUR											
DELAWARE	1						1				2
DES MOINES					3		2				5
DICKINSON											
DUBUQUE	1						1		2	5	9
EMMET											
FAYETTE											
FLOYD											
FRANKLIN											
FREMONT									1		1
GREENE							3	1			4
GRUNDY											
GUTHRIE					1		1				2
HAMILTON								1			1
HANCOCK				1			1				2
HARDIN								1	1	1	3
HARRISON											
HENRY	1	2									3
HOWARD											
HUMBOLDT				1							1
IDA									1		1
IOWA											
JACKSON											
JASPER											
JEFFERSON								3			3

AMEBIASIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON			10	2	4	6	2	4	1		29
JONES											
KEOKUK	1										1
KOSSUTH											
LEE					2						2
LINN							1	1	1		3
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA											
MARION						1		1	2	2	6
MARSHALL								1			1
MILLS	5				1		1				7
MITCHELL											
MONONA											
MONROE											
MONTGOMERY					1	3	1			1	6
MUSCATINE				1				1			2
O'BRIEN											
OSCEOLA											
PAGE							1				1
PALO ALTO											
PLYMOUTH											
POCAHONTAS		1									1
POLK		4	12	2	2	1					21
POTTAWATTAMIE					1			1	2		4
POWESHIEK			2								2
RINGGOLD											
SAC					2						2
SCOTT	1	1				2		1	1		6
SHELBY	1										1
SIOUX		1									1
STORY											
TAMA											
TAYLOR											
UNION								2			2
VAN BUREN											
WAPELLO								3			3
WARREN		1									1
WASHINGTON					1						1
WAYNE											
WEBSTER								1			1
WINNEBAGO											
WINNESHIEK					1						1
WOODBURY								2			2
WORTH											
WRIGHT											
TOTAL	18	10	25	14	31	17	38	78	21	13	265

BRUCELLOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR	3	2	6		3	2		2		2	20
ADAMS	2	1	1	2	3	1	2				12
ALLAMAKEE	3	3		4	3	3	2	2	2		22
APPANOOSE	5	4	4	5	5	2	1	1	2	4	33
AUDUBON	1	6	1		2	1					11
BENTON	6	6	5	9	2	3	2	4	2	1	40
BLACKHAWK	20	17	22	16	25	14	9	10	11	4	148
BOONE	2	6	5	2	1	1	1	1		1	20
BREMER	10	5	8	5	3	5	2	2	6		46
BUCHANAN	9	7	4	4	1	1	1	4	1	2	34
BUENA VISTA	16	16	7	7	8	5	5	1	6	3	74
BUTLER	9	3	4	4	2	1	1	1		3	28
CALHOUN	4	1		1		2					8
CARROLL	8	3	1	1			3		3		19
CASS	6	8	5	5	3	4		3	6		40
CEDAR	15	4	5	6	8	10	8	5	2	6	69
CERRO GORDO	34	49	15	8	11	5	1	5	16	6	150
CHEROKEE	12	7	8	3	4	2	1	3		2	42
CHICKASAW	3	6	3	1	2		1	2		1	19
CLARKE		4	1		1				4	1	11
CLAY	4	5	11	4	6	10	6	3	5	2	56
CLAYTON	8	9	7	3	3	2	1	1	4	1	39
CLINTON	8	7	1	8	2	3	2	1		2	34
CRAWFORD	7	5	3			4	5	1	1		26
DALLAS	13	7	9	3	9	2	1	2	3	1	50
DAVIS	8	11	8	5	5	3	3	5	9	4	61
DECATUR	4	5	3	3	5						20
DELAWARE	9	3	6	3	3	1	4	3	2	1	35
DES MOINES	7	4	1	5		5				1	23
DICKINSON	3	3	4	2	4	2	1	1	6	5	31
DUBUQUE	23	37	42	16	36	25	16	38	39	49	321
EMMET	4	5	5	2	5	3	4		1		29
FAYETTE	8	2	8	5	2	2	3	3		5	38
FLOYD	10	6	13	4	1	2	3	2	1		42
FRANKLIN	7	10	5	7	2	1	1	3	5	2	43
FREMONT	1	1			1	1				1	5
GREENE	2	2	2			1					7
GRUNDY	2	2	7	1	3	3	2		1		21
GUTHRIE	2	1	1		2	1				1	8
HAMILTON	18	11	3	1	3	4			1		41
HANCOCK	3	5	4	3	4	1			1	2	23
HARDIN	12	5	6		2	3	4		2	1	35
HARRISON		2	4	1	2	1		1			11
HENRY	3	5	2					1	6	1	18
HOWARD	2	3	3		3	1	4	4	3	1	24
HUMBOLDT	4	2	1	1	1	1		1			11
IDA	4	5	4	2	2			1	1		19
IOWA	7	6	2		2	2			5	3	27
JACKSON	6	4	3	4	1	1	2	1	3	3	28
JASPER	3	4	5	4	2	12	2	3			35
JEFFERSON	3	1	1	8	2		1	1		2	19

BRUCELLOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	18	8	16	5	6	10	10	9	19	6	107
JONES	8	6	11	3	4	3	2			2	39
KEOKUK	13	9	8	4	7	1	2			1	45
KOSSUTH	8	4	4	1	2	1		1	2	1	24
LEE	2	3	2		1	1					9
LINN	26	28	15	8	11	10	5	4	14	2	123
LOUISA	6	4	2	2	3			1			18
LUCAS	1	5	5		2	3	1	2	4	3	26
LYON	5	3	3	3	1		1	1	1		18
MADISON	1	3	4	1	2	1		1	1		14
MAHASKA	9	8	7	7	2	10	3	1	5	2	54
MARION	8	4	7	2	4	1	3	4	14	5	52
MARSHALL	10	10	9	5	4	10	5		10	7	70
MILLS	4	1	2	1		1				1	10
MITCHELL	4	4	3	4	2		4	3	1	1	26
MONONA	3	5	2		2	1	1	1		1	16
MONROE	5	2		2	2	2		1		2	16
MONTGOMERY	7	9		1	6	1	3	2	4		33
MUSCATINE	14	20	11	5	5	5	7	5	8	5	85
O'BRIEN	9	8	5	3		1		1	3	3	33
OSCEOLA	1	1	2	5	4		1	1	1		16
PAGE	12	5	2	4		3	1	3	4	1	35
PALO ALTO	8	3	1	1	2	1	1			1	18
PLYMOUTH	9	12	8	6	6	7	4	5	2	2	61
POCAHONTAS	5	5	2	4			1		1		18
POLK	20	60	26	22	19	20	12	16	22	16	233
POTTAWATTAMIE	16	4	7	3	2	7	2	2	2	1	46
POWESHIEK	9	2	3	1	3	2		2	3	1	26
RINGGOLD		3	1	1							5
SAC	13	7	4	4	4		3	2	3		40
SCOTT	14	20	34	17	45	33	13	47	17	160	400
SHELBY	4	4	1	1	9	1		2	1		23
SIOUX	10	27	9	5	1	2		4	3	3	64
STORY	13	7	6	1	4	2	3	5	12	3	56
TAMA	6	8	2	2	1	2	3		3	2	29
TAYLOR	7	1	2	2				2		1	15
UNION	3	2		1		1		1	3		11
VAN BUREN	2	3		1	2			1	1		10
WAPELLO	19	17	9	6	2	7	4	7	9	8	88
WARREN	5	3	10	3	2			3	1	4	31
WASHINGTON	13	5		3	6	4	1	3	3	3	41
WAYNE	1	3	3	2	3	7		3		1	23
WEBSTER	14	7	7	1	4	5	6	2	6	2	54
WINNEBAGO	1	5	3	3	3	1				1	17
WINNEBIEK	7	3	5	4	5	4	2	4	1	2	37
WOODBURY	20	20	9	11	7	12	3	6	15	1	104
WORTH	2	4	1		2			1			10
WRIGHT	9	13	4	2	3	2	2	2	2		39
TOTAL	767	734	556	351	405	360*	214	283	361	379	4410

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* This number includes 16 cases reported during the year but for which county of residence was not obtained.

See reports - JOURNAL AMERICAN PUBLIC HEALTH ASSOCIATION, 45:1282 October 1955.
JOURNAL AMERICAN PUBLIC HEALTH ASSOCIATION, In Press (probably 1962).

COXSACKIE INFECTION

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON											
JONES											
KEOKUK											
KOSSUTH						4					4
LEE						2					2
LINN											
LOUISA											
LUCAS						1					1
LYON											
MADISON											
MAHASKA											
MARION											
MARSHALL											
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE						8					8
PALO ALTO						1					1
PLYMOUTH											
POCAHONTAS						2					2
POLK						16	7	1	3		27
POTTAWATTAMIE									3		3
POWESHIEK											
RINGGOLD											
SAC											
SCOTT											
SHELBY											
SIOUX											
STORY						1					1
TAMA											
TAYLOR											
UNION											
VAN BUREN											
WAPELLO											
WARREN											
WASHINGTON											
WAYNE											
WEBSTER						12					12
WINNEBAGO											
WINNESHIEK											
WOODBURY											
WORTH											
WRIGHT											
TOTAL	0	0	0	0	0	141*	11	1	7	0	160

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* See report - NEW ENGLAND JOURNAL OF MEDICINE, 258:255-263, February 6, 1958.
 This was a study of the Coxsackie B₅ virus outbreak in Cerro Gordo County.

DIPHtheria

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	1										1
JONES											
KEOKUK											
KOSSUTH											
LEE							2		1		3
LINN	1										1
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA											
MARION											
MARSHALL											
MILLS		1	3								4
MITCHELL											
MONONA		1									1
MONROE											
MONTGOMERY											
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE	1			2			1				4
PALO ALTO											
PLYMOUTH								1			1
POCAHONTAS				1							1
POLK		3					1			1	5
POTTAWATTAMIE			2	3		2	5			5	17
POWESHIEK											
RINGGOLD											
SAC											
SCOTT					13	8	2		1	1	25
SHELBY			1					1			2
SIQUX											
STORY											
TAMA											
TAYLOR											
UNION											
VAN BUREN											
WAPELLO						1					1
WARREN											
WASHINGTON					1	1					2
WAYNE											
WEBSTER					2			2			4
WINNEBAGO											
WINNESHIEK	1										1
WOODBURY		3	5	4	2	2	2	4		2	24
WORTH											
WRIGHT											
TOTAL	14	25	19	14	19	18	14	12	3	9	147

ECHO INFECTION

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON											
JONES											
KEOKUK											
KOSSUTH											
LEE											
LINN											
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA											
MARION											
MARSHALL					500*						500
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE											
PALO ALTO											
PLYMOUTH											
POCAHONTAS							1				1
POLK							1	2	2		5
POTTAWATTAMIE									1		1
POWESHIEK											
RINGGOLD											
SAC											
SCOTT											
SHELBY											
SIOUX											
STORY											
TAMA											
TAYLOR											
UNION											
VAN BUREN											
WAPELLO											
WARREN											
WASHINGTON											
WAYNE											
WEBSTER											
WINNEBAGO											
WINNESHIEK											
WOODBURY											
WORTH											
WRIGHT											
TOTAL	0	0	0	0	500*	0	2	2	4	0	508

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* All the 500 cases in Marshall County did not represent laboratory virus isolations. They included other clinical cases.

See report - THE AMERICAN JOURNAL OF HYGIENE, Vol. 66, No. 1, 63-75, July 1957.

GERMAN MEASLES

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR											
ADAMS				1							1
ALLAMAKEE			1			3					4
APPANOOSE											
AUDUBON											
BENTON			1							15	16
BLACKHAWK							4	3	6		13
BOONE			36	11	6	8	120	31	45	15	272
BREMER						1			7		8
BUCHANAN							6	7			13
BUENA VISTA				4	13		24		1		42
BUTLER											
CALHOUN			1	9	2	120			2	18	152
CARROLL							13	16			29
CASS								6	20		26
CEDAR				1							1
CERRO GORDO			2	1	1	2	21		5	1	33
CHEROKEE					1						1
CHICKASAW			1			3					4
CLARKE											
CLAY					5	72	254	250	27	52	660
CLAYTON				28	2	29		51		1	111
CLINTON						3		1	61		65
CRAWFORD			1	8		1			4		14
DALLAS				1	2	9	25	27	20	24	108
DAVIS				16				17	2		35
DECATUR											
DELAWARE			2			2		5			9
DES MOINES			14	10	16	313	17	180	8	97	655
DICKINSON											
DUBUQUE			27	326	21	502	44	1851	17	11	2799
EMMET							6				6
FAYETTE									3		3
FLOYD											
FRANKLIN				1							1
FREMONT											
GREENE											
GRUNDY											
GUTHRIE			30			1			50		81
HAMILTON			1	5		14	3	1	1		25
HANCOCK							1	70	25	2	98
HARDIN			1				10				11
HARRISON				1							1
HENRY											
HOWARD						12					12
HUMBOLDT				3	8	4	2	5		1	23
IDA				5		10	4				19
IOWA			1	1							2
JACKSON							14				14
JASPER									1	2	3
JEFFERSON						3	19				22

GERMAN MEASLES

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON			1		1	2	2	10	1	10	27
JONES								1			1
KEOKUK						1	1	10			12
KOSSUTH						25					25
LEE			6				10	139	5	15	175
LINN					4	29	2	12		15	62
LOUISA				1	1						2
LUCAS											
LYON											
MADISON			32								32
MAHASKA					1						1
MARION			5	2	1			16	20		44
MARSHALL											
MILLS						3					3
MITCHELL				1			1				2
MONONA											
MONROE				1							1
MONTGOMERY											
MUSCATINE			11		1				1		13
O'BRIEN							1				1
OSCEOLA											
PAGE									3		3
PALO ALTO					1						1
PLYMOUTH								10			10
POCAHONTAS			2								2
POLK			4	4	3	12	84	983	504	113	1707
POTTAWATTAMIE			11			41		4			56
POWESHIEK			2					30	10	10	52
RINGGOLD											
SAC				48						1	49
SCOTT			25	42	78	28	153	45	26		397
SHELBY			10	7		2		55	274	7	355
SIOUX			2								2
STORY				3		2	120	11	3	15	154
TAMA									1		1
TAYLOR											
UNION			2			2		13	1		18
VAN BUREN						3					3
WAPELLO			11	2		3		3			19
WARREN			1	1	1	12	2	10	4	5	36
WASHINGTON				6	2		7	27		4	46
WAYNE											
WEBSTER							1				1
WINNEBAGO								239			239
WINNESHIEK			1	3	1	5	13				23
WOODBURY			1	1			10		96	4	112
WORTH											
WRIGHT											
TOTAL	289*	0	246	554	172	1282	994	4139	1254	438	9368

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* No county totals available.

The period beginning 1953 marks the start of the use of gamma globulin as prophylaxis for German measles in pregnant women exposed during the first trimester of pregnancy. As physicians requested the material for patients, they began reporting cases of German measles.

GONORRHEA

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR				2		1		4		2	9
ADAMS									1		1
ALLAMAKEE		1	1	1	2		1	2		2	10
APPANOOSE	2	1	1		2	9	2	6	5	4	32
AUDUBON							4			2	6
BENTON	2	2	1	3	1	1	2	3	7	5	27
BLACKHAWK	49	38	31	22	34	46	35	101	124	104	584
BOONE	2	7	10	4		3	3	8	3	7	47
BREMER	3	2	1			5		2	3	1	17
BUCHANAN	1	1	1	1	3	6	3	1	4		21
BUENA VISTA			1	5	2	2		1		4	15
BUTLER	1							3			4
CALHOUN			3	7	2	2		2	4	7	27
CARROLL	1			3	4	1			7	2	18
CASS	3		1	1		1	1			3	10
CEDAR	2	1		3	1	1	1	1			10
CERRO GORDO	5	1	5	8	7	4	12	17	35	22	116
CHEROKEE	2	1	1			1	1	1	2	2	11
CHICKASAW	1		2		2	1		3	10	4	23
CLARKE		2	3							1	6
CLAY	1				2					1	4
CLAYTON			1		2	2				1	6
CLINTON	4	5	5	4	3	1	6	5	3	3	39
CRAWFORD		1	1	3	1	5	1		5	2	19
DALLAS	2	6	4	3	1	2	2	1	4	4	29
DAVIS						1			1	1	3
DECATUR	1		1			6	5		3	1	17
DELAWARE	4			4		1	1	2	9	6	27
DES MOINES	29	20	14	13	10	8	9	10	10	14	137
DICKINSON		2	1			1	1	1	3	1	10
DUBUQUE	4	4	5	2	3	11	1	6	19	19	74
EMMET		1			1		2	2	1		7
FAYETTE	3	1	4	2	1	2		1	8		22
FLOYD	1	3	2	2	3	2	2	4	3	2	24
FRANKLIN					1	1		2	1	2	7
FREMONT		3	2	2	1			5		1	14
GREENE	2			2					6	4	14
GRUNDY		1	1				1	3		3	9
GUTHRIE		4	1	3	3	2		2	2	3	20
HAMILTON			3	3	3		6		4	3	22
HANCOCK								2		1	3
HARDIN	4	4	4	2	4	2	3	2	1	3	29
HARRISON	3	2		1	2		1		1	1	11
HENRY	7	3	3	4	14	2	1	1	5	2	42
HOWARD					1						1
HUMBOLDT	1	1	1				4	2	1	5	15
IDA		1			1	3	1				6
IOWA		1			1				1	7	10
JACKSON			3	3		1		6		5	18
JASPER			6	11		1	1	5	8	6	38
JEFFERSON			1		2	2	2	4	8	11	30

GONORRHEA

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	9	8	5	7	11	5	6	9	5	12	77
JONES	1	2	1		4		1	1	12	20	42
KEOKUK			1	1	2			2	5	3	14
KOSSUTH	2	4	2	3					2	1	14
LEE	6	5	13	18	11	10	6		6	12	87
LINN	30	21	24	36	25	34	24	35	57	118	404
LOUISA	2	1	1	1	3	3		2	3	8	24
LUCAS		1		1		1	1	7			11
LYON											
MADISON			2	1	1	2	1				7
MAHASKA	3	1		2	5	2	1	4	13	3	34
MARION		1	3	2	3	1	1	1	1	2	15
MARSHALL	4	3	24	4	5	2	5	11	22	10	90
MILLS	1							2		1	4
MITCHELL					1			1		1	3
MONONA	1		1	4	1	3	1	2	1	1	15
MONROE					1					1	2
MONTGOMERY	4		1	2	1		1	3		1	13
MUSCATINE	10	4	3	9	3	1		2	3	9	44
O'BRIEN		1				1					2
OSCEOLA									2	2	4
PAGE	2	1	2		2				3	3	13
PALO ALTO			1								1
PLYMOUTH						1		1	1	4	7
POCAHONTAS				2	1		3	1	1	2	10
POLK	235	224	314	267	260	283	207	300	257	582	2929
POTTAWATTAMIE	4		4	26	12	11	7	9	17	26	116
POWESHIEK	5	1		2	1	1	1	3	2	1	17
RINGGOLD			1	1	1	1		1		1	6
SAC	3	1	3	1		6	2	5		4	25
SCOTT	54	41	77	81	52	55	42	32	45	39	518
SHELBY	1						1				2
SIOUX				2		2				1	5
STORY	3	3	2			6	1	11	7	18	51
TAMA	2	2	4			1	5	6	5	6	31
TAYLOR	1		1			1					3
UNION	6	2	2	1		10	3	10	4	4	42
VAN BUREN		1		1		1		1	1		5
WAPELLO	2	8	8	2	1	2	7	8	29	13	80
WARREN		2	6	3	1	2	2	4	5	7	32
WASHINGTON			1	1		1		2	2		7
WAYNE						1	1		4	4	10
WEBSTER	9	8	14	8		3	5	20	5	40	112
WINNEBAGO			2	1	2		2	1		2	10
WINNESHIEK				1		1	1	1	1	2	7
WOODBURY	111	97	113	165	104	122	143	197	181	146	1379
WORTH	2		3	2							7
WRIGHT	2	1	1	1		6		5		7	23
TOTAL	655	564	765	783	634	722	596	921	1014	1401	8055

HISTOPLASMOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON					1					1	2
JONES											
KEOKUK						1		1			2
KOSSUTH											
LEE				1							1
LINN								1	1	1	3
LOUISA											
LUCAS											
LYON											
MADISON					1	2		1			4
MAHASKA										1	1
MARION							1	1	1		3
MARSHALL											
MILLS											
MITCHELL											
MONONA						1					1
MONROE											
MONTGOMERY											
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE								1			1
PALO ALTO											
PLYMOUTH											
POCAHONTAS											
POLK		1			2	1		4	1		9
POTTAWATTAMIE							1			1	2
POWESHIEK				1							1
RINGGOLD											
SAC											
SCOTT											
SHELBY								1			1
SIoux											
STORY						1		3	1		5
TAMA											
TAYLOR						1					1
UNION											
VAN BUREN									1		1
WAPELLO									1		1
WARREN							1		1		2
WASHINGTON											
WAYNE											
WEBSTER											
WINNEBAGO											
WINNESHIEK											
WOODBURY						1					1
WORTH											
WRIGHT											
TOTAL	0	2	0	2	6	11	3	15	17	9	65

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See report - THE AMERICAN JOURNAL OF HYGIENE, Vol. 62, No. 3, 201-213 November 1955.

INFECTIOUS HEPATITIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR		1		5			1			3	10
ADAMS				3	8						11
ALLAMAKEE			1	55	36	20	12				124
APPANOOSE		21	17	82	3	5	1				129
AUDUBON				2				1			3
BENTON				3	21	15	2		1	1	43
BLACKHAWK				93	79	6	3		1	1	183
BOONE		2	15	121	11		1		1	1	152
BREMER		1	1	26	18	2			1	2	51
BUCHANAN				59	7	2	1	8			77
BUENA VISTA			1	126		2					129
BUTLER			7	7	4	4				2	24
CALHOUN	2		3	85	8	1					99
CARROLL				2	3	1			2		8
CASS			1	1	1				2	1	6
CEDAR		62	15	4	3	8				4	96
CERRO GORDO			42	94	16	1	1	4	5	5	168
CHEROKEE			1	85	4				1	1	92
CHICKASAW				6	1		1		1		9
CLARKE			5	2						1	8
CLAY				19	2	1					22
CLAYTON				12	37	7					56
CLINTON		11	24	76	33	40	1	1	1	5	192
CRAWFORD		34	2	19	1	1				12	69
DALLAS			7	10	4	1	1	2	2	1	28
DAVIS				1			4				5
DECATUR		1	1	2						3	7
DELAWARE			8	65	4	2				1	80
DES MOINES	35	183	62	96	29	21	2				428
DICKINSON				5	1				3		9
DUBUQUE			16	62	24	8	15	12	20	5	162
EMMET			10	51	24						85
FAYETTE			2	12	8	3		3	3		31
FLOYD			1	9	1	3			10	1	25
FRANKLIN			11	19	1	2					33
FREMONT			16	18						1	35
GREENE			2	49	1	4			5	1	62
GRUNDY			9	9	1		2				21
GUTHRIE		7	3	6	1		1			12	30
HAMILTON			4	8	10	1					23
HANCOCK			17	110	8						135
HARDIN			12	28	9	3	1			2	55
HARRISON		7	1	21					2	3	34
HENRY		2		6		1	1				10
HOWARD						8					8
HUMBOLDT			1	13	10			1			25
IDA		4		8	11	2	1			5	31
IOWA	3	4	3	2	5	1					18
JACKSON				24	6			10	6		46
JASPER			24	26	5			1			56
JEFFERSON		1	4	8	2	1					16

INFECTIOUS HEPATITIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON		2	10	5	6	3	2	1	3	2	34
JONES				62	27	3		1			93
KEOKUK			3	9	2			1			15
KOSSUTH	4		1	75	17	1	1				99
LEE		1	1	69	2	2	4		4	15	98
LINN		4	3	33	149	44		3	3	5	244
LOUISA		2	11	17		2	1				33
LUCAS			15	2							17
LYON			12	2	1						15
MADISON		1	23	2		3					29
MAHASKA			61	44	3		3		1	1	113
MARION		3	24	42	4	2	8	4	4	3	94
MARSHALL			7	12	7			1		1	28
MILLS							4	7		2	13
MITCHELL			18	17	12	6		1			54
MONONA		35	11	13	6					50	115
MONROE			1	5				1			7
MONTGOMERY				3	1		1	2	1		8
MUSCATINE		54	48	21		5	3		1		132
O'BRIEN			4	25	3	8	8				48
OSCEOLA			8	4			1				13
PAGE	10	22	12	6	1				10	4	65
PALO ALTO			6	180	1				5	19	211
PLYMOUTH		1	8	31	24					2	66
POCAHONTAS		1	19	61	5						86
POLK	2	92	507	163	51	37	37	42	16	73	1020
POTTAWATTAMIE		22	207	115	16		8	4	5	43	420
POWESHIEK		1	7	8	1		1	1			19
RINGGOLD			7	5							12
SAC				54	13	2					69
SCOTT		87	76	149	45	20	18	9	27	68	499
SHELBY				29			1	3	2	4	39
SIOUX					7		1				8
STORY	1		20	15	6			1		2	45
TAMA		2	5	46					1		54
TAYLOR		1	1	9	1						12
UNION			5	4				60	6		75
VAN BUREN			34	16	1		4	1	1		57
WAPELLO		17	86	26	10	11	1				151
WARREN	2	7	87	16	5		2	2		2	123
WASHINGTON	17	3	3	2				2			27
WAYNE						1				11	12
WEBSTER			99	394	14	1				1	509
WINNEBAGO			7	69	3	1				3	83
WINNESHIEK				2	31	28		1	3		65
WOODBURY	4	55	1	54	29	13	15	10	7	75	263
WORTH			4	38							42
WRIGHT		1		10	2	2	1				16
TOTAL	80	755	1811	3619	967	372	177	201	167	460	8609

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During 1954 Iowa's attack rates for infectious hepatitis were the highest of any state in the United States. In 1956 the amount of gamma globulin available from the American Red Cross was materially reduced. As physicians learned it was available in a much more restricted manner from the State Department of Health, less cases were reported because less requests were made for the gamma globulin. In addition a national decline in infectious hepatitis cases was in evidence in this same period.

INFLUENZA

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR							500				500
ADAMS							2500				2500
ALLAMAKEE							3200				3200
APPANOOSE							1000		5	150	1155
AUDUBON							701				701
BENTON							1050				1050
BLACKHAWK							3750				3750
BOONE				2	3	2	5240			413	5660
BREMER							500				500
BUCHANAN							500	100		27	627
BUENA VISTA		10		34	212		3517	18		1762	5553
BUTLER											
CALHOUN				1			4100				4101
CARROLL							2057	1			2058
CASS							1			50	51
CEDAR							400				400
CERRO GORDO							4650			50	4700
CHEROKEE							200				200
CHICKASAW										50	50
CLARKE							500				500
CLAY							3021	30	12	858	3921
CLAYTON							500				500
CLINTON							6376			100	6476
CRAWFORD							353				353
DALLAS							1291			72	1363
DAVIS											
DECATUR							1900				1900
DELAWARE							2				2
DES MOINES	1	3		4			2001			151	2160
DICKINSON							600			82	682
DUBUQUE				181		409	4929	16		101	5636
EMMET							500				500
FAYETTE							1800	2	2		1804
FLOYD											
FRANKLIN							4666				4666
FREMONT											
GREENE							653				653
GRUNDY							703				703
GUTHRIE							1670			399	2069
HAMILTON							500	1		1	502
HANCOCK							5450			3	5453
HARDIN							2000			100	2100
HARRISON											
HENRY							801				801
HOWARD					7						7
HUMBOLDT							3951			24	3975
IDA							1				1
IOWA		2					1				3
JACKSON							2757				2757
JASPER							2404			50	2454
JEFFERSON							1736			50	1786

INFLUENZA

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON							4595	34	45	202	4876
JONES							1101				1101
KEOKUK							900				900
KOSSUTH							2000			5	2005
LEE					1		1301				1302
LINN							7403		1	50	7454
LOUISA					1		3	1			5
LUCAS							2400				2400
LYON							500				500
MADISON							1700				1700
MAHASKA							1200				1200
MARION							3270				3270
MARSHALL							2500				2500
MILLS							2950				2950
MITCHELL										50	50
MONONA							1000				1000
MONROE							1200				1200
MONTGOMERY							2551				2551
MUSCATINE							5750				5750
O'BRIEN							1				1
OSCEOLA											
PAGE							2000			7	2007
PALO ALTO							2800				2800
PLYMOUTH							600				600
POCAHONTAS							3305				3305
POLK	1	1					28062	1206	130	4576	33,976
POTTAWATTAMIE				1			4000		1		4002
POWESHIEK							2800				2800
RINGGOLD							2500			50	2550
SAC					116		2751				2867
SCOTT				2		203	10089	21		516	10831
SHELBY							600				600
SIOUX										200	200
STORY				1			4384		800	50	5235
TAMA							1800				1800
TAYLOR							2500				2500
UNION							4300		1	113	4414
VAN BUREN						3					3
WAPELLO		14		162	26		1504			2100	3806
WARREN				3			4251	1		1	4256
WASHINGTON		1									1
WAYNE							2200				2200
WEBSTER							8500			151	8651
WINNEBAGO							1701				1701
WINNESHIEK									10		10
WOODBURY	1						18618			62	18681
WORTH										100	100
WRIGHT							3700			1	3701
TOTAL	3	31	7227*	391	366	617	240,222	1431	1007	12,727	264,022

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* These are group reports by an area rather than a county. Therefore, they cannot be listed in the individual counties or in the totals.

1957 is the year marking the advent of the Asian A₁ influenza into the United States. Iowa's first case of that year occurred in Poweshiek County in Grinnell. This was the first Asian influenza epidemic studies in the United States and the first epidemic from

LEPTOSPIROSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON											
JONES											
KEOKUK								1			1
KOSSUTH											
LEE											
LINN									42		42
LOUISA											
LUCAS									1		1
LYON											
MADISON											
MAHASKA											
MARION								2			2
MARSHALL											
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY									1		1
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE											
PALO ALTO											
PLYMOUTH											
POCAHONTAS											
POLK											
POTTAWATTAMIE											
POWESHIEK		1									1
RINGGOLD								1			1
SAC											
SCOTT											
SHELBY								1			1
SIOUX											
STORY								1			1
TAMA		1									1
TAYLOR											
UNION											
VAN BUREN											
WAPELLO											
WARREN								1			1
WASHINGTON								1			1
WAYNE											
WEBSTER					1						1
WINNEBAGO											
WINNESHIEK											
WOODBURY											
WORTH											
WRIGHT											
TOTAL	0	2	0	0	1	0	2	15	49	0	69

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Leptospira pomona infection was recognized in cattle in 1951 and in hogs the following year. During the 1950's this zoonotic disease became widespread in Iowa cattle and hogs and the first human cases were recognized. Part of the cases recorded in 1958 were found by screening routine blood specimens by the Institute of Agricultural Medicine, State University of Iowa, in cooperation with the State Hygienic Laboratory. An outbreak caused by swimming in a contaminated creek resulted in the marked increase in cases in 1959. See report - JOURNAL IOWA STATE MEDICAL SOCIETY, 44:285, July 1954.

JOURNAL AMERICAN VETERINARY MEDICAL ASSOCIATION 1954, Vol. 15, 1961

MEASLES

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR		7	8	44	1	60	3				123
ADAMS			49								49
ALLAMAKEE	1	19	23	60	277	12	6	7	133		538
APPANOOSE	1	2	159	2		10	5	300	173		652
AUDUBON		1	30	131	2	1	78				243
BENTON	2	29	25		11	11	21	3	33		135
BLACKHAWK	18	491	154	217	276	146	195	84	189	13	1783
BOONE	16	160	836	14	95	188	110	170	456	2	2047
BREMER		7		6		3		2	4		22
BUCHANAN		66	37	55	1	16	87	1	52		315
BUENA VISTA	3	208	108	400	142	1035	170	261	311	98	2736
BUTLER	2	60	19	7					20		108
CALHOUN	1	7	132	136	4	212	2		30		524
CARROLL			94	103	18	71	2	5	198		491
CASS		32	2	119	41	300			149		643
CEDAR	1	44	65	1	76	12	61			30	290
CERRO GORDO	149	46	298	504	65	112	53	2	49	2	1280
CHEROKEE	1			103		10			1		115
CHICKASAW		4	2		61	2	85	1	11		166
CLARKE			1		30	1	50				82
CLAY		44	2	174	23	420	434	372	903	39	2411
CLAYTON		24	25	94	59	2	16	6	29	7	262
CLINTON	15	33	376	88	33	321	32	116	114	70	1198
CRAWFORD		37	16	256	5	27	40		16		397
DALLAS	1	30	40	61	6	30	11	7	87	1	274
DAVIS								7	88		95
DECATUR		12				10					22
DELAWARE	20	5	49	10	29		42	1	1		157
DES MOINES	1101	77	273	389	1664	48	97	1495	247	299	5690
DICKINSON				111	14		20			1	146
DUBUQUE	900	228	1003	744	68	148	2377	848	831	442	7589
EMMET	1	6	103	73	20	16				1	220
FAYETTE		16		36	6	15					73
FLOYD	81	3	247	14	42	43	100	8	75		613
FRANKLIN		1	199	180	5	7	28		151		571
FREMONT			2	5			1		30		38
GREENE			57	16	1	87			10		171
GRUNDY	1	33	272	43	15	70			13		447
GUTHRIE	1	31	25	53	18	76	31		162		397
HAMILTON	7	111	74	44	3	154	1	3	130	3	530
HANCOCK		11	7	200	1	23	3	52	177		474
HARDIN	2	4	190	115	20	25	15	31	52		454
HARRISON	1	10	64	1003	3	2		62	1		1146
HENRY		3	126	445	28		31	35			668
HOWARD		9	31		57	775	129	151	4		1156
HUMBOLDT		31	2	149	13	39	28	15	26		303
IDA	8		5	193	5	16	2	5			234
IOWA		3	210	16	16	47	16	3	64		375
JACKSON	9		41	12		2	1	1		2	68
JASPER		91	73		38	1		32	59	1	295
JEFFERSON				188	5	11	26	2	11		243

MEASLES

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	17	61	792	13	102	14	10	91	328	4	1432
JONES	2		54	1	41	1	4				103
KEOKUK		1	79	1	29	31					141
KOSSUTH	1	6	4	33	7	103	5		100		259
LEE		17		40	19	25	76	67		8	252
LINN	28	553	988	246	808	604	1135	963	518	236	6079
LOUISA			10	6	20						36
LUCAS		6		1	2	1				1	11
LYON			28		4						32
MADISON			30					1			31
MAHASKA			26		1	2	22		1	1	53
MARION			28		99	34	4	257	65		487
MARSHALL		1	74			1	4				80
MILLS	7	1	20	9		90	1	7			135
MITCHELL		48	49	25	15		155		60		352
MONONA			111	471	5	40			4	3	634
MONROE			73			3					76
MONTGOMERY			646	33	6	29	5	52	100		871
MUSCATINE	5	22	109	14	449		6	2	41		648
O'BRIEN	1		31	117	1	13		1	13		177
OSCEOLA			8	3	14	15		1			41
PAGE	31	9	180	105	11	55		47	114		552
PALO ALTO			2	297	1	13		1		3	317
PLYMOUTH		144	49	9	171		85	2			460
POCAHONTAS		2	1	91		125			55		274
POLK	32	139	761	557	1014	1138	1989	1379	2974	71	10054
POTTAWATTAMIE		230	332	1780	30	168	200	3690	170	212	6812
POWESHIEK		30	112	3	4				300	26	475
RINGGOLD			2	8	2						12
SAC	1	5	45	286	17	179	32	8	28	1	602
SCOTT	18	82	122	1182	1522	354	721	1732	1614	71	7418
SHELBY	2	85	11	169	29	4	3	40	169		512
SIOUX	1	75		54		1	1		2		134
STORY	166	59	500	35	177	203	388	108	463	21	2120
TAMA		4	7	1			2				14
TAYLOR			22					1			23
UNION	1	36	20	1	4	57	3	101	90	1	314
VAN BUREN	1	61		2		11					75
WAPELLO		14	5	60	8	33	1	10	9		140
WARREN	2	8	25	1	3	53	52	28	12		184
WASHINGTON	4	14	182	10	12	26	95	5	12	1	361
WAYNE						2					2
WEBSTER		20		17	15	32			4		88
WINNEBAGO		32	17	58	4		5	21			137
WINNESHIEK			38	9	68	8	72		3	11	209
WOODBURY	141	391	37	125	69	163	219	9	296	8	1458
WORTH	3	16	12	70	3	1	1		101	100	307
WRIGHT	1	116		114		54	1	11			297
TOTAL	2808	4324	11196	12671	8083	8303	9706	12723	12736	1790	84,340

MENINGOCOCCIC MENINGITIS / MENINGITIS, TYPE UNSPECIFIED

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR											
ADAMS											
ALLAMAKEE					1 /			1 /			2 /
APPANOOSE	1 /		1 /								2 /
AUDUBON									/ 1		/ 1
BENTON											
BLACKHAWK	4 /	1 /			1 /	/ 2			/ 1		6 / 3
BOONE	1 /						/ 2			/ 3	1 / 5
BREMER	1 /						1 /				2 /
BUCHANAN				1 /	/ 1						1 / 1
BUENA VISTA					/ 1	/ 1					/ 2
BUTLER									/ 1		/ 1
CALHOUN				1 /			/ 1				1 / 1
CARROLL							/ 2	/ 2		1 / 1	1 / 5
CASS			1 /			/ 1					1 / 1
CEDAR			1 /						/ 1		1 / 1
CERRO GORDO		1 /	1 /		1 /	1 / 1	1 / 1		2 /	1 / 1	8 / 3
CHEROKEE											
CHICKASAW	1 /		1 /				/ 1		/ 5		2 / 6
CLARKE		1 /	1 /			1 /			1 /		4 /
CLAY	1 /						/ 2	/ 1			1 / 3
CLAYTON				1 /		/ 1					1 / 1
CLINTON		3 /		1 /	1 / 1	/ 2			/ 4		5 / 7
CRAWFORD			1 /								1 /
DALLAS							/ 2			/ 2	/ 4
DAVIS											
DECATUR					1 /						1 /
DELAWARE						/ 1			/ 1		/ 2
DES MOINES			2 /	2 /					1 /		5 /
DICKINSON											
DUBUQUE	2 /		1 /	1 /		/ 2			/ 2	/ 1	4 / 5
EMMET							/ 1				/ 1
FAYETTE	1 /					/ 1					1 / 1
FLOYD	1 /				/ 1						1 / 1
FRANKLIN	1 /										1 /
FREMONT			1 /								1 /
GREENE							2 /				2 /
GRUNDY					1 /						1 /
GUTHRIE	1 /	1 /	1 /	1 /	1 / 1		/ 2				5 / 3
HAMILTON	1 /					/ 1					1 / 1
HANCOCK		1 /								1 /	2 /
HARDIN									/ 1	/ 1	/ 2
HARRISON											
HENRY			1 /	1 /		1 /					3 /
HOWARD	2 /										2 /
HUMBOLDT											
IDA											
IOWA											
JACKSON		1 /									1 /
JASPER	1 /	1 /				1 /					3 /
JEFFERSON	1 /			/ 1						/ 1	1 / 2

MENINGOCOCCIC MENINGITIS / MENINGITIS, TYPE UNSPECIFIED

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	1 /	1 /	1 /						/ 4		3 / 4
JONES									/ 2		/ 2
KEOKUK									/ 2		/ 2
KOSSUTH							/ 1				/ 1
LEE				/ 1							/ 1
LINN	3 /	3 /	3 /	5 / 1	1 / 2	/ 1		/ 1	2 /	/ 2	17 / 7
LOUISA	2 /	1 /		1 /	/ 1						4 / 1
LUCAS					/ 1						/ 1
LYON	1 /		1 /								2 /
MADISON						/ 1					/ 1
MAHASKA				1 /	/ 1				/ 1		1 / 2
MARION	1 /		1 /				/ 2				2 / 2
MARSHALL			1 /								1 /
MILLS				1 /							1 /
MITCHELL	1 /				1 /						2 /
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE	2 /								/ 1		2 / 1
O'BRIEN	1 /								/ 1		1 / 1
OSCEOLA			2 /	1 /	1 /	1 / 1	1 /				6 / 1
PAGE				1 /	/ 1				/ 1		1 / 2
PALO ALTO	2 /										2 /
PLYMOUTH				1 /							1 /
POCAHONTAS										1 /	1 /
POLK	8 /	6 /	2 /	11 / 2	5 / 4	7 / 11	7 / 4	6 / 2	3 / 3	2 / 5	57 / 31
POTTAWATTAMIE			2 /	3 / 1	1 /	/ 1	1 / 1		/ 2	/ 2	7 / 7
POWESHIEK			1 /								1 /
RINGGOLD											
SAC									1 /	/ 1	1 / 1
SCOTT	3 /	5 /	8 /	1 / 1	1 / 2	/ 2	1 /	3 /	1 / 1	/ 1	23 / 7
SHELBY				1 /							1 /
SIOUX		1 /									1 /
STORY	4 /	1 /	1 /			1 /				/ 1	7 / 1
TAMA											
TAYLOR											
UNION		1 /		3 /					1 /		5 /
VAN BUREN									/ 1		/ 1
WAPELLO					1 /	/ 1					1 / 1
WARREN							/ 1	3 / 1		1 /	4 / 2
WASHINGTON	1 /								/ 1		1 / 1
WAYNE											
WEBSTER	1 /		2 /	1 /		/ 2					4 / 2
WINNEBAGO											
WINNESHIEK					3 / 1	/ 1		1 /			4 / 2
WOODBURY	3 /			4 /	1 / 1	1 /	1 /	1 /	1 /	2 /	14 / 1
WORTH						1 /			/ 1		1 / 1
WRIGHT		1 /					/ 1				1 / 1
TOTAL	54 /	30 /	38 /	44 / 7	22 / 19	15 / 34	15 / 24	15 / 7	13 / 38	9 / 22	255 / 151

POLIOMYELITIS
PARALYTIC / NON-PARALYTIC

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR	1	8		4	1						14
ADAMS	1	9		2					2 / 1		15
ALLAMAKEE	2	11	8	13	10	5	/ 1				50
APPANOOSE	2	6	3	8	1			2 /			22
AUDUBON	1	9	4	10	3			1 / 1	1 / 2		32
BENTON	2	10	2	3	1		2 / 1	1 /	2 / 1		25
BLACKHAWK	21	118	16	38	28	61	/ 6	3 /	11 / 12	/ 4	318
BOONE	3	28	1	13	5	6	/ 2	1 / 1	10 /		70
BREMER	5	15	3	9	2	1		/ 1		/ 1	37
BUCHANAN	3	6	3	4	1	4	1 /	2 /			24
BUENA VISTA	6	49	5	4	1				2 / 2		69
BUTLER	2	31	4	5	4	2		/ 1	2 / 2		53
CALHOUN	9	61	6	19	6	3				/ 1	105
CARROLL	4	24	1	10	5	3			1 /		48
CASS		38	3	7					2 / 1		51
CEDAR	8	21	3	5	1	5					43
CERRO GORDO	5	51	13	10	3	29	1 / 1	1 /	2 / 5		121
CHEROKEE	7	159	12	9	1	4	/ 1	/ 1			194
CHICKASAW	2	39	2	4	2	4	/ 1				54
CLARKE		8	2	3	2				/ 1		16
CLAY	6	68	9	4	2	10	/ 1	1 / 1	2 /	1 /	105
CLAYTON	3	14	13	21	2	2	/ 1				56
CLINTON	7	38	23	17	10	8	/ 1		4 /	1 / 2	111
CRAWFORD	5	38	12	9	2						66
DALLAS	3	35	13	18	6	8		2 /	18 / 2		105
DAVIS		9		3	2	1			1 /		16
DECATUR	1	12	2	4	1	1	/ 1	/ 1	1 /		24
DELAWARE	3	11	4	13	4	7	1 /			/ 3	46
DES MOINES	9	10	4	17	16	3	/ 2	1 / 2	7 / 4	1 /	76
DICKINSON		8		3	2	1			/ 1	/ 1	16
DUBUQUE	8	67	12	27	10	46	1 / 2		4 / 3		180
EMMET	1	6	2	1		1					11
FAYETTE	9	17	14	12	1	6		1 /			60
FLOYD	3	25	8	11	6	8		1 / 3	2 /		67
FRANKLIN	8	14	4	10	4	8					48
FREMONT	2	11		3		3					19
GREENE	2	16	2	11	1		/ 2				34
GRUNDY	4	27	2	6	5	2			/ 1		47
GUTHRIE	1	26	2	18	8	5	2 /		4 / 3		69
HAMILTON	2	32	2	8	4	2					50
HANCOCK	3	25	6	9	2	8			/ 1	/ 2	56
HARDIN	5	19	6	14	3	7	/ 1		1 / 7		63
HARRISON	3	53	6	4	2	4	3 / 1		4 / 4		84
HENRY	1	4	1	11	1	2	/ 1		2 /		23
HOWARD	1	18	2	5	3	1			/ 1		31
HUMBOLDT	2	11	11	16	3	1			2 / 1		47
IDA	6	59	11	6	1	1		/ 1		1 /	86
IOWA	4	19	8	13	3	1					48
JACKSON	2	6	3	4					2 /		17
JASPER	8	54	9	33	13	11	/ 1	2 /	7 / 5		143
JEFFERSON	2	10		24	2		/ 1				39

POLIOMYELITIS
PARALYTIC / NON PARALYTIC

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	22	47	6	19	17	12			1 / 2		126
JONES	2	14	1	10	3	4			/ 2		36
KEOKUK	6	7	5	20	6	2					46
KOSSUTH	8	16	5	4	11	2			1 /		47
LEE	2	10	3	11	35	12			9 / 2		84
LINN	13	50	13	63	24	22		/ 1	3 / 4	/ 1	194
LOUISA		5	1	6	2	1					15
LUCAS		5		10	2	1			2 / 1		21
LYON		17	9	2				/ 1			29
MADISON	2	6	2	6		3	/ 1		4 / 2		26
MAHASKA	3	11	2	25	11	6	/ 1		5 / 2		66
MARION	3	9	5	31	5	9			1 / 1		64
MARSHALL	1	22	4	15	7		/ 1	4 /	3 /		57
MILLS	7	19		1				1 /			28
MITCHELL	1	20	14	12	6	6					59
MONONA	7	97	4	1	1	1	1 /		1 / 2		115
MONROE		3		4	1	1					9
MONTGOMERY		27	2	4		1			2 /		36
MUSCATINE	5	11	8	20	3	3		/ 1	1 / 1		53
O'BRIEN	3	51	6	5	4	1			1 /		71
OSCEOLA		14	4	1	2	3	1 / 2				27
PAGE	9	52		3	2	7	1 / 1	/ 1	1 /		77
PALO ALTO	1	10		7	1						19
PLYMOUTH	3	80	5	10	1	5	1 / 2	/ 1	/ 1		109
POCAHONTAS	1	11	4	5	1	2					24
POLK	40	436	71	256	96	96	/ 1	6 / 5	107/15		1129
POTTAWATTAMIE	8	138	7	20	9	16	/ 3		2 / 2		205
POWESHIEK	7	13	7	7	4	3			2 / 1		44
RINGGOLD		4		2		1	1 /				8
SAC	1	95	10	21	9	1	/ 3	/ 1	1 / 2	/ 1	145
SCOTT	11	55	17	62	9	3	/ 1		12/ 4		174
SHELBY	3	25	2	7	4				1 /		42
SIOUX	2	43	2	2	4	3	/ 1		/ 1		58
STORY	11	40	17	48	20	19	1 / 2	/ 5	3 / 2		168
TAMA	5	25	2	5	3	2	/ 1				43
TAYLOR	3	13		2							18
UNION	5	11	1	1	1				1 / 1		21
VAN BUREN		2		5	1	1					9
WAPELLO	15	13	6	42	19	1	1 / 1	1 / 1	/ 1		101
WARREN	6	26	7	19	5	6	1 /	1 /	1 / 1		73
WASHINGTON	5	30	3	22	8	1		2 / 2	1 / 1		75
WAYNE	3	11	3	8	4	5	/ 1				35
WEBSTER	4	42	20	27	5	11	1 /		18/ 5	/ 1	134
WINNEBAGO	8	10	5	2		1					26
WINNESHIEK	1	32	6	7	4	2			/ 2	1 /	55
WOODBURY	25	379	36	35	10	16	1 / 7	1 / 6	5 / 2	/ 1	524
WORTH		11		2	3				/ 1	1 / 1	19
WRIGHT	6	33	6	13	2	3			/ 2		65
TOTAL	466	3564	613	1445	561	580	21/57	35/38	285/123	6 / 19	7813

CP-26962

1956 marks the first year of general use of the Salk poliomyelitis vaccine.

The first poliomyelitis vaccine was used in 1954. Three counties - Linn, Scott and Woodbury - with 13,000 youngsters in first and second grades in school were a part of the national field trials for the Salk poliomyelitis vaccine.

PSITTACOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON					1		2				3
JONES											
KEOKUK											
KOSSUTH											
LEE											
LINN											
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA				1							1
MARION											
MARSHALL			4								4
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE			1	1	1			1			4
O'BRIEN											
OSCEOLA											
PAGE						1					1
PALO ALTO											
PLYMOUTH											
POCAHONTAS											
POLK				2							2
POTTAWATTAMIE			1								1
POWESHIEK											
RINGGOLD											
SAC											
SCOTT								1			1
SHELBY											
SIoux											
STORY											
TAMA			1								1
TAYLOR											
UNION											
VAN BUREN											
WAPELLO				3	1			1			5
WARREN											
WASHINGTON											
WAYNE											
WEBSTER						1			1		2
WINNEBAGO											
WINNESHIEK											
WOODBURY					1			1			2
WORTH											
WRIGHT							1				1
TOTAL	0	0	11	10	8	7	5	6	1	0	48

CP-26962

Almost all of these cases had histories of contact with parakeets, usually newly acquired birds.

See report - JOURNAL IOWA STATE MEDICAL SOCIETY, 46:251, May 1956.

TABLES IN ANIMALS
(Laboratory Confirmed)*

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR		1	1			1	2	5	1	1	12
ADAMS	1								2		3
ALLAMAKEE				1	1			1	2	4	9
APPANOOSE	2		2			2	1				7
AUDUBON		1	3	1							5
BENTON		3		1	1	3	6		6	1	21
BLACKHAWK	5	7	1	2	2	1		4	2	3	27
BOONE	10	5	2	10	4	2	3	1	2	6	45
BREMER	1	1	2		2			4	1		11
BUCHANAN	5	4			4	2	4	1	6	2	28
BUENA VISTA		2		8	2	3	1	1	1		18
BUTLER	1	1	1	1				1		3	8
CALHOUN	11	3	3	6	2	2	6	3		1	37
CARROLL	6	8	12	1	2	1		2	1	1	34
CASS			1	1			1		1		4
CEDAR	1	3	3	8	9	7	4	3	3	3	44
CERRO GORDO	3	1	1	3	2	1	2	2	3	3	21
CHEROKEE			1	5	2	1	3			1	13
CHICKASAW	2	3		5	7	6	2	7	2	2	36
CLARKE		1		1		2			4	2	10
CLAY			2	2			2	2	3	1	12
CLAYTON	4			6	4		2			1	17
CLINTON	5	7	2	2	1	5	6	5	2	3	38
CRAWFORD	2	5	5	3		2	5	3			25
DALLAS	18	2	2	12	4		2		4	2	46
DAVIS	4		4	1	2		1	1	2	5	20
DECATUR	1			1		1	1	3		4	11
DELAWARE	1	2			1	1	2	1	1	2	11
DES MOINES	2	4	1	1		3	4	3			18
DICKINSON	4	1	1	2	1		1	5	2	6	23
DUBUQUE	2		2		4		1	1	2	1	13
EMMET		2	3		1	1	2	1	7	1	18
FAYETTE	3	1		1	1		4	2	6	2	20
FLOYD			2	3					1		6
FRANKLIN	2			5	3	3	3	3	2		21
FREMONT											
GREENE	15	6	7	3	4	1	3	4	2	1	46
GRUNDY				1	4	1		1			7
GUTHRIE	2	3	1	1	2	2		3			14
HAMILTON	7	6	5	10	3	1	1	4	5	6	48
HANCOCK	14	12	1	1	9	1	2	4	1	1	46
HARDIN	2	2	1	10	2	3	3	8	6	2	39
HARRISON	1	1		7			3	3	1		16
HENRY	4	2				4	4	4		1	19
HOWARD	1			1	1	3	1	3		2	12
HUMBOLDT	7	5	2	4	2	2	5	2	3	3	35
IDA	2	5		2	2	1	1	1			14
IOWA	2	1	1	1	2	2	4	7	5	7	32
JACKSON	5			3	3	1	3	2	2		19
JASPER	6	2	1	1	3	11	2	2	3	2	33
JEFFERSON				2			7	3	2	2	16

RABIES IN ANIMALS
(Laboratory Confirmed)*

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	10	5	10	11	6	8	17	2		3	72
JONES	2	1	2	3	1	1	1	3	6	1	21
KEOKUK	3	2		2	1	4	7		9	1	29
KOSSUTH		9	4	2	4	3	4	6	7	5	44
LEE	2					3	2	2			9
LINN	2	6	5	1	2	6	9	9	1	8	49
LOUISA	3		1		1	4	2	1		2	14
LUCAS	2	1	2	1	1	2				1	10
LYON		2		1	1	2		6	1	2	15
MADISON	2			1			1		1		5
MAHASKA	3			1				1		1	6
MARION	6	2		1	2	13	1		1	2	28
MARSHALL	6		6	7	4	2	3	1	2	5	36
MILLS						2					2
MITCHELL	2			14	1	1	4	1	2	4	29
MONONA	1		1					1			3
MONROE			1	1				1			3
MONTGOMERY	1			2		1		1			5
MUSCATINE	2	1	4	10	9	4	3	2	4		39
O'BRIEN	6	2	5		1	4	4	4	4	3	33
OSCEOLA	3	3			1			1	1	2	11
PAGE	1		2	4	1			1	1		10
PALO ALTO		4	3	2		1	4	5	1	2	22
PLYMOUTH		3	3	2	6	3	5	2	1	2	27
POCAHONTAS	9	3	3	4	2	4	3	9	2		39
POLK	91	8	3	12	8	7	10	4	3	2	148
POTTAWATTAMIE	1	3	1	2			2			1	10
POWESHIEK	2		4	3	3	3	3	3	1	6	28
RINGGOLD				1	1		1				3
SAC	5	15	12	6	4	2	4	1		2	51
SCOTT	4	3	3	7	8	9	8	5	2	2	51
SHELBY	2		3	1	1			1			8
SIoux	5	4	1	2	2	3	3	4	6	5	35
STORY	11	10	9	8	5	2	5	11	11	15	87
TAMA	1	1	1	11	3	1	1	1	2	3	25
TAYLOR	1	1		1				3			6
UNION	1					1	3	1	1		7
VAN BUREN	2	3			3	3	5	1	3	4	24
WAPELLO		2	3	1	1	1	1	1	1	1	12
WARREN	12		1			3	1	1	2		20
WASHINGTON	12	4	6	7	3	6	8	2	3	9	60
WAYNE		1		2		2	2	3	1	3	14
WEBSTER	14	5		5	3	7	4		6	1	45
WINNEBAGO	2	4	2			1	3	5	8		25
WINNESHIEK	1	1		1		1	3	2	1	2	12
WOODBURY	1	2	2	17	13			3	3	1	42
WORTH	1		4	1				1			7
WRIGHT	5	4	1	7	2	2		2	3		26
TOTAL	404	228	184	305	203	205	247	230	200	189	2395

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* One case of human rabies was reported in Polk County in June 1951. This was confirmed by post-mortem laboratory examination.

First bat rabies was reported in Iowa in October 1960. Two apparently sick bats (Greene and Osceola Counties) were found positive.

ROCKY MOUNTAIN SPOTTED FEVER

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR											
ADAMS											
ALLAMAKEE											
APPANOOSE			1								1
AUDUBON											
BENTON											
BLACKHAWK											
BOONE											
BREMER											
BUCHANAN											
BUENA VISTA											
BUTLER											
CALHOUN											
CARROLL											
CASS											
CEDAR											
CERRO GORDO											
CHEROKEE											
CHICKASAW											
CLARKE											
CLAY											
CLAYTON											
CLINTON											
CRAWFORD											
DALLAS											
DAVIS											
DECATUR											
DELAWARE											
DES MOINES				1	1						2
DICKINSON											
DUBUQUE											
EMMET											
FAYETTE											
FLOYD											
FRANKLIN											
FREMONT											
GREENE											
GRUNDY											
GUTHRIE											
HAMILTON											
HANCOCK											
HARDIN											
HARRISON											
HENRY											
HOWARD											
HUMBOLDT											
IDA											
IOWA											
JACKSON							1				1
JASPER											
JEFFERSON						1					1

ROCKY MOUNTAIN SPOTTED FEVER

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON											
JONES											
KEOKUK											
KOSSUTH											
LEE					1						1
LINN						1				1	2
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA									1		1
MARION	1										1
MARSHALL											
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE											
PALO ALTO											
PLYMOUTH											
POCAHONTAS											
POLK			1			1					2
POTTAWATTAMIE											
POWESHIEK											
RINGGOLD											
SAC											
SCOTT											
SHELBY											
SIoux											
STORY											
TAMA						2	1			1	4
TAYLOR											
UNION											
VAN BUREN											
WAPELLO											
WARREN									1		1
WASHINGTON		1		1							2
WAYNE										1	1
WEBSTER											
WINNEBAGO											
WINNESHIEK											
WOODBURY											
WORTH											
WRIGHT											
TOTAL	1	1	2	2	2	5	2	0	2	3	20

SCARLET FEVER
AND
RELATED STREPTOCOCCAL INFECTIONS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR				1						3	4
ADAMS	2		6	20							28
ALLAMAKEE	5	6	110	33	5	1	1	31	120	1	313
APPANOOSE	5	3	1	2	2	3	1	9	2	25	53
AUDUBON			1								1
BENTON	8	2	22	2			2	2	3	3	44
BLACKHAWK	39	28	71	66	51	23	16	27	21	19	361
BOONE	28	6	6	9	6	1	58	52	56	15	237
BREMER		2		1	4			1	1	2	11
BUCHANAN		1		3	4	2	1		78		89
BUENA VISTA	8	33	30	40	30	54	3	10	40	8	256
BUTLER	3			9	6	1			4	2	25
CALHOUN	7	3	8	16	4	6	1	4	1	2	52
CARROLL		1			4		4	10	8	7	34
CASS		1					1	3	4	7	16
CEDAR		3	1	8		23	1	1		2	39
CERRO GORDO	12	2	27	17	5	15	9	11	124	9	231
CHEROKEE			5						1		6
CHICKASAW				13			1	1	1		16
CLARKE					2						2
CLAY	1		17	4	40	37	58	28	79	29	293
CLAYTON	5	2	17	4	4		3	4	44	4	87
CLINTON	22	222	45	56	32	36	10	7	42	50	522
CRAWFORD			4	2				1	14	4	25
DALLAS	1		11	13		5	15	2	20	3	70
DAVIS			1						16	2	19
DECATUR								1	4		5
DELAWARE	1		1	6	3	2	2	3			18
DES MOINES	36	39	74	95	82	37	87	16	87	117	670
DICKINSON			2	11	1	6		2	2	5	29
DUBUQUE	5	66	25	29	19	22	24	28	30	20	268
EMMET			3				2	6			11
FAYETTE	13	7	3	5	2		4	25	8	4	71
FLOYD		1	10	5	21	13	3	14			67
FRANKLIN					1		7		2	1	11
FREMONT											
GREENE		2	3			2		2			9
GRUNDY	8	1	1								10
GUTHRIE	1	6	16	6	5	8			3	11	56
HAMILTON	6	14	3	4	5	4	1	8	11	3	59
HANCOCK				3	1	5	3	2	1		15
HARDIN	1		2	2		1		3	1		10
HARRISON	1	13	16	58	1		2	1			92
HENRY	2		14	11	3	1	8		5	1	45
HOWARD		1			2	4					7
HUMBOLDT	10	2	10	12	3	5	4	5	10	1	62
IDA	1	2	2			3	2	1		10	21
IOWA	4			3	2	4	5	11	42	37	108
JACKSON	1	5	1	1	2		1	13	1	14	39
JASPER			1	11			2	2	29	11	56
JEFFERSON	1		1	1	5		99	196	257	278	838

SCARLET FEVER
AND
RELATED STREPTOCOCCAL INFECTIONS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON		5	38	12	18	7	389	1032	973	977	3451
JONES	4		3	1	1		6	5	1		21
KEOKUK	3	2	1	6	3		6	1	5	2	29
KOSSUTH	3	1	4	1					1	1	11
LEE			1	6	12	4	7	9	6	2	47
LINN	27	23	19	11	24	29	14	2	37	12	198
LOUISA	1	2	5	2	9		2				21
LUCAS		1	1								2
LYON		1			1	4					6
MADISON		2	1	7					5		15
MAHASKA	3			105		2	1	1	1		113
MARION				4	1		1	1	1		8
MARSHALL		4	8	1		1	2	2	43	7	68
MILLS	2	1	1	3	4		2	2			15
MITCHELL		2		2	1				1		6
MONONA			1	18			3		1		23
MONROE						2			1		3
MONTGOMERY	1	1	1	7		2	4	1	4	3	24
MUSCATINE	1	4	4	2	14	6	6	3	8	12	60
O' BRIEN		1	2	5	1			2		2	13
OSCEOLA	6								15		21
PAGE	5	2	3	6	1	1	2	2	1	1	24
PALO ALTO	2		2	16	2	1		1	5		29
PLYMOUTH		1	14	1				1		14	31
POCAHONTAS				2	1			1	3		7
POLK	76	109	174	289	147	347	394	291	356	430	2613
POTTAWATTAMIE		11	40	26	11	25	50	11	38	28	240
POWESHIEK	3	1	6	8			1		3	2	24
RINGGOLD									1	6	7
SAC	8	2	5	3		3	16	2		50	89
SCOTT	12	21	38	83	29	15	28	34	107	83	450
SHELBY	1	1	8	7						4	21
SIOUX	3	1	9				1	1			15
STORY	23	29	46	42	5	8	21	22	32	13	241
TAMA								1	1	1	3
TAYLOR				2							2
UNION	1	1	31	31		4	3	6	16	5	98
VAN BUREN			1	2		5	1		6	3	18
WAPELLO		3	9	103	8		1	1	1		126
WARREN	5	3	4	45	13	1	10		22	7	110
WASHINGTON	2	13	19	7	2	4	5	6	4	13	75
WAYNE		6		2			2				10
WEBSTER	7		3	9	5	4	2	5	4		39
WINNEBAGO				2							2
WINNESHIEK	2	3	18	20	9	1	4		5	7	69
WOODBURY	6	10	175	57	13	13	77	33	27	120	531
WORTH	6	10	2	1					1		20
WRIGHT			5			55	1	8	90	4	163
TOTAL	450	751	1273	1539	692	868	1503	2030	2998	2519	14623

SYPHILIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR	6	2	3	4	3	2	6	6	1		33
ADAMS	1	4	1		3				2		11
ALLAMAKEE		1	1	3	1		1	3	1	1	12
APPANOOSE	5	9	5	9	10	3	9	12	6	7	75
AUDUBON	1	2	3		1	1	5	1		4	18
BENTON	4	8	7	1	1	6	4	1	2	5	39
BLACKHAWK	109	59	84	78	78	68	70	63	72	68	749
BOONE	4	5	12	7	12	1	9	15	8	14	87
BREMER		2	11	6	4	3	4	6	4	5	45
BUCHANAN	12	6	16	7	4	11	15	9	7	11	98
BUENA VISTA	9	2	5	3	2	4	5	4	6	4	44
BUTLER	4		1	1	2	1	2	2	1	2	16
CALHOUN	4	3	2	14		5	3	1	4	1	37
CARROLL	4	4	5	6	6	6	3	7	4	2	47
CASS	6	4	4	6	3	4	3	5	7	2	44
CEDAR	2		3	3	4	3	1	1	3	3	23
CERRO GORDO	18	27	36	22	16	25	23	34	17	19	237
CHEROKEE	14	5	17	12	3	7	9	9	3	4	83
CHICKASAW	2	2	4	4	3	4	1	3	1	3	27
CLARKE		1	2	1	1	1	2	2		1	11
CLAY	2	1	3	6	2	2	2	1	2	5	26
CLAYTON	3	2	2	1	1	1	11	1	3	4	29
CLINTON	107	36	65	45	23	29	28	37	29	25	424
CRAWFORD	5	1	5	4	4	5	4	1	3	2	34
DALLAS	25	6	15	13	5	10	8	10	5	7	104
DAVIS	2	3	6	5	5	4	3	1	6	4	39
DECATUR	4	2	7	4	2	3	2	4	2	3	33
DELAWARE	3	6	3	2	2	4	2	6	2	3	33
DES MOINES	47	29	56	36	21	27	32	34	17	27	326
DICKINSON		1	9	5	3	2	3	4	6	4	37
DUBUQUE	17	24	52	42	28	23	34	28	33	22	303
EMMET	3	2	4	1	1	3	2	2	1	3	22
FAYETTE	6	4	12	6	5	5	5	9	8	7	67
FLOYD	1	1	2	5	6	3	4	4	2	1	29
FRANKLIN	1	1	5	1	1		3	1	1		14
FREMONT		1	4	1	2	4	2	1	3	3	21
GREENE	4	2	3	3	1	2		4	1	2	22
GRUNDY	2			3	4				2		11
GUTHRIE	1		2	3	4	2	5		3	1	21
HAMILTON	6	5	4	3	2	2	4	6	4		36
HANCOCK	2		3	4	1		1	4			15
HARDIN	3	7	4	6	3	4	8	3	4	3	45
HARRISON	7	4	7	2	6		7	2	4	5	44
HENRY	20	15	22	17	20	10	22	9	5	5	145
HOWARD	1	1		3	1		4	1		1	12
HUMBOLDT	3	3	3	3	7	3	6	2		2	32
IDA	2	2	2	1		2		2			11
IOWA	8	3	7	1	2	1	2		1		25
JACKSON	10	2	11	7	2	4	1	4	2		43
JASPER	27	5	14	12	5	7	5	4	7	3	89
JEFFERSON	4	3	7	3	3	5	8	4	2	6	45

SYPHILIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	37	24	61	39	45	42	55	26	21	31	381
JONES	12	3	14	8	2		5	8	3	2	57
KEOKUK	2	2	4	3	1	3	7	4	5		31
KOSSUTH	4	1	3	3	1	2	2		1		17
LEE	65	36	70	74	60	42	63	40	43	28	521
LINN	70	63	115	115	82	71	83	80	93	88	860
LOUISA	2	5	1	5	3	1	1	2	1		21
LUCAS	1	2	2	4	2	3	2	1	1	1	19
LYON	1						4				5
MADISON	1	3	4	3	1	2	3	1	1	3	22
MAHASKA	12	5	9	5	9	4	7	8	4	5	68
MARION	15	9	9	9	5	7	17	10	14	17	112
MARSHALL	17	9	17	23	10	11	9	10	14	11	131
MILLS	2	1	8	7	5	1	6	4	3	6	43
MITCHELL	4		1	3	2	2	2		1	4	19
MONONA	3	4	8	5	4	4	4	4	1	7	44
MONROE	3	3	3	2	4	2		5		4	26
MONTGOMERY	5	6	6	5	2	3	2	5	4		38
MUSCATINE	25	26	42	36	22	9	19	18	16	6	219
O'BRIEN	5	3	3	1	2	2	4	7	1	2	30
OSCEOLA	1	1	1		1	2	3	2	2	1	14
PAGE	38	22	8	17	13	7	11	17	16	14	163
PALO ALTO	1	1	1	1	2		1	1		2	10
PLYMOUTH	10	3	7	4	4	4	2	5	8	3	50
POCAHONTAS	1		3	2	4					1	11
POLK	456	336	482	368	244	189	254	213	247	252	3041
POTTAWATTAMIE	24	18	53	49	28	27	41	30	15	34	319
POWESHIEK	6	7	7	8	4	7	8	5	2	2	56
RINGGOLD			3			1		3			7
SAC	5	2	2	1	3	3	4	2	4	4	30
SCOTT	104	67	112	105	63	68	70	58	57	34	738
SHELBY	2	1	4	2		2	2	3	1	3	20
SIOUX	1	2	1	2			5	3	3		17
STORY	18	10	22	16	12	5	15	7	14	5	124
TAMA	2		4	3	1	5	3	4	3		25
TAYLOR	2	1	3		4	2				2	14
UNION	4	8	7	9	2	3	2	2	3	1	41
VAN BUREN	1	2	4	3	1	1	1		16	8	37
WAPELLO	67	30	52	41	30	27	34	35	26	33	375
WARREN	7	2	9	13	7	3	4	4	1	7	57
WASHINGTON	6	2	6	3	2	6	4	1	1	1	32
WAYNE	4	1	3	2	5	1	6	1	2	3	28
WEBSTER	42	18	26	34	16	18	16	18	17	16	221
WINNEBAGO		1	1	1	1	1		2		1	8
WINNESHIEK	1	2	2	3	1	3	3	2		1	18
WOODBURY	87	65	70	52	54	64	81	272	163	157	1065
WORTH	3	4	1	2	1		1	1	1	1	15
WRIGHT	5	2	1	4	5	5	4	2	2	1	31
TOTAL	1715	1131	1836	1530	1099	987	1263	1299	1138	1106	13104

TRICHINOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON											
JONES											
KEOKUK										1	1
KOSSUTH											
LEE							1				1
LINN											
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA											
MARION											
MARSHALL											
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE											
O'BRIEN											
OSCEOLA											
PAGE											
PALO ALTO											
PLYMOUTH									1		1
POCAHONTAS											
POLK				1							1
POTTAWATTAMIE											
POWESHIEK											
RINGGOLD											
SAC											
SCOTT											
SHELBY											
SIOUX											
STORY											
TAMA					6						6
TAYLOR											
UNION											
VAN BUREN											
WAPELLO											
WARREN											
WASHINGTON											
WAYNE											
WEBSTER											
WINNEBAGO											
WINNESHIEK											
WOODBURY											
WORTH											
WRIGHT											
TOTAL	0	0	0	3	9	0	1	0	2	2	17

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See report - JOURNAL AMERICAN PUBLIC HEALTH ASSOCIATION, 46:313 March 1956.

TUBERCULOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR	5	4	3	6	1	1		2		1	23
ADAMS		1	4	3	4						12
ALLAMAKEE	2	4	5	2	1	4	1		1	2	22
APPANOOSE	8	7	5	1	6	8	4	9	3	3	54
AUDUBON	1	4	6		1	1	1	1		1	16
BENTON	3	5	10	8	6	4	5	4		3	48
BLACKHAWK	25	22	29	25	21	18	15	23	14	14	206
BOONE	4	4	8	4	2	4	3	5	2	6	42
BREMER	14	5	3	1	2	1		5	1	3	35
BUCHANAN	4	2	3	5	1	3	1	2	3	2	26
BUENA VISTA	4		4	6	2	2	1	6	2		27
BUTLER	1	2	2	1	1	1		3	1	1	13
CALHOUN	9	2	9	2	4	4	3	3	2		38
CARROLL	3	3	9	2	4	2	2	4	2	3	34
CASS	2	4	1	11	3	1	4		1	2	29
CEDAR	6	11	6	3	3	2	3	1	2	2	39
CERRO GORDO	16	18	10	4	7	5	9	7	2	13	91
CHEROKEE	6	3	12	5	1		1	3	3	6	40
CHICKASAW	7	5	6	2	1	3	2	2	1	1	30
CLARKE	1	2	6	7		2	1	1		1	21
CLAY	5	3	2	7	3		2	4	3	3	32
CLAYTON	8	8	6	5	12	3	1	6	4	10	63
CLINTON	12	9	13	6	4	11	14	9	10	8	96
CRAWFORD	3	2	1	2	1	3	1		1	2	16
DALLAS	14	6	8	5	5	3	5	6	1	3	56
DAVIS	11	1		3	2	3	2	1		1	24
DECATUR	1	5	4	1	3	2	3		2	6	27
DELAWARE	1	2	3	2	3	1	1	7	2	1	23
DES MOINES	16	21	12	8	13	6	12	17	5	14	124
DICKINSON	2	1	4	1		1		3		1	13
DUBUQUE	24	24	17	25	17	14	13	16	15	11	176
EMMET	3	2	5		7	2	2	4			25
FAYETTE	8	9	8	4	4	5	1	5	6	3	53
FLOYD	7	4	1	3	3		1	7	6	2	34
FRANKLIN	15	1	4	2		1	2	3	2		30
FREMONT	6	2	4	5	5	1	1		3		27
GREENE	4	5	3	5	1	4	1	3	1		27
GRUNDY	4	1	7	5		2	1		1	1	22
GUTHRIE	2	3	2	8	2	2	1	4	3	2	29
HAMILTON	2	1	10	2	4	3	2	3	3	2	32
HANCOCK	2	2	9	1	3	2	3	4	1	2	29
HARDIN	2	3	5	5	8	5		2	5	3	38
HARRISON	5	4	6	2	3	3	2	2	1		28
HENRY	13	4	7	8	8	3	3			4	50
HOWARD	4	4	2		2		3	1	2	2	20
HUMBOLDT	4	1	6	3			2	5		6	27
IDA	7	1	2	2	1	1	1	1	1	1	18
IOWA	9	4	1	3	4	1	1	1	4	3	31
JACKSON	1	4	3	6	6	1	2	7	3	5	38
JASPER	11	10	19	9	6	1	5	7	1	5	74
JEFFERSON	6	4	4	2	3	2	2	6	3	5	37

TUBERCULOSIS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	23	15	8	11	9	9	13	10	5	13	116
JONES	9	2	10	3	4	5	2	6	3	3	47
KEOKUK	5	7	10	5	2	2		2	1	3	37
KOSSUTH	4	6	3	14	3	2	1	1	3	3	40
LEE	27	23	12	9	10	7	8	9	4	5	114
LINN	28	43	33	25	26	30	18	41	35	25	304
LOUISA	2	4	1	2	1	2	7	2	1	3	25
LUCAS		2	2	1				1	1	5	12
LYON	3			3	2	1	1	1	2	1	14
MADISON	5	2	3	1	1	5	5	1	4	2	29
MAHASKA	5	8	5	9	5	3	2	5	3	5	50
MARION	6	12	2	8	5	6	3	4	3	6	55
MARSHALL	28	7	11	9	8	3	5	5	8	11	95
MILLS	1	3	3	7	2	4	2	3	2	1	28
MITCHELL	6	9	3	2	8	5	3	3	2	3	44
MONONA	5	2	4	4	1	3	3	2	3		27
MONROE	9	3	2	2	2		1	2	2	2	25
MONTGOMERY	5	3	1	5	5	1	1	1			22
MUSCATINE	6	5	11	7	7	7	5	2	4	10	64
O'BRIEN	3	1	7	2	2	1	1	3	2	1	23
OSCEOLA	2	1	1					1	1	1	7
PAGE	13	2	8	2	1	2	3	4	1	1	37
PALO ALTO	4	2	1	1	1	1	2	1	2	2	17
PLYMOUTH	5	3	1	2	2		1		2	3	19
POCAHONTAS	4	1	3		1	5	1	1		4	20
POLK	79	78	70	73	71	47	45	76	63	55	657
POTTAWATTAMIE	22	16	19	8	8	9	6	14	14	9	125
POWESHIEK	3	6	7	4	3	1	2	1		1	28
RINGGOLD	1		4	4		1	3	5	2		20
SAC	2	3	13	5	2	1	1	3	2		32
SCOTT	54	52	48	32	23	23	22	41	15	18	328
SHELBY	2	2		6		1	3	1		2	17
SIoux	3	2	2	3	1	3	1	3	1	3	22
STORY	14	11	9	8	6	2	6	9	6	9	80
TAMA	11	7	6	5	3	3	2	3		1	41
TAYLOR		3	4	2	1	4		1	1	2	18
UNION	4	4	1	7	1	1		1	1	1	21
VAN BUREN	8	3	5	3	6	1	1		1	7	35
WAPELLO	23	19	12	9	14	14	10	10	9	7	127
WARREN	3	4	5	13	3	3	3	2	2	1	39
WASHINGTON	3	3	1	12	6	5	3	5	1	6	45
WAYNE	7	1		4	1	4	1	1	1	1	21
WEBSTER	14	12	19	3	8	7	5	8	3	2	81
WINNEBAGO	2	4	2	4	6	1	10	2	1	2	34
WINNESHIEK	11	5	9	7	3	3	3	1	5	7	54
WOODBURY	43	28	43	31	23	27	20	23	27	24	289
WORTH	3	2	8	5	2	5	1	1	3	1	31
WRIGHT	8	4	5	7	3	3	2	2	5	2	41
TOTAL	861	694	756	627	506	425	384	539	386	444	5622

TULAREMIA

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR											
ADAMS											
ALLAMAKEE											
APPANOOSE											
AUDUBON											
BENTON											
BLACKHAWK											
BOONE											
BREMER											
BUCHANAN											
BUENA VISTA											
BUTLER											
CALHOUN											
CARROLL											
CASS											
CEDAR											
CERRO GORDO											
CHEROKEE											
CHICKASAW											
CLARKE											
CLAY											
CLAYTON											
CLINTON					1	1					2
CRAWFORD											
DALLAS					1						1
DAVIS											
DECATUR											
DELAWARE											
DES MOINES											
DICKINSON											
DUBUQUE											
EMMET											
FAYETTE											
FLOYD											
FRANKLIN											
FREMONT											
GREENE											
GRUNDY											
GUTHRIE											
HAMILTON								1			1
HANCOCK											
HARDIN											
HARRISON											
HENRY											
HOWARD											
HUMBOLDT											
IDA											
IOWA					3						3
JACKSON											
JASPER											
JEFFERSON					2						2

TULAREMIA

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON								1			1
JONES											
KEOKUK											
KOSSUTH											
LEE											
LINN											
LOUISA											
LUCAS											
LYON											
MADISON											
MAHASKA											
MARION											
MARSHALL											
MILLS											
MITCHELL											
MONONA											
MONROE											
MONTGOMERY											
MUSCATINE						2					2
O'BRIEN											
OSCEOLA											
PAGE											
PALO ALTO											
PLYMOUTH											
POCAHONTAS											
POLK				1	2	1	1				5
POTTAWATTAMIE											
POWESHIEK	1										1
RINGGOLD		1									1
SAC											
SCOTT											
SHELBY											
SIOUX											
STORY											
TAMA											
TAYLOR											
UNION									1		1
VAN BUREN											
WAPELLO											
WARREN											
WASHINGTON											
WAYNE											
WEBSTER											
WINNEBAGO											
WINNESHIEK											
WOODBURY											
WORTH											
WRIGHT											
TOTAL	1	1	0	1	9	4	1	2	1	0	20

TYPHOID FEVER / OTHER SALMONELLA INFECTIONS

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR											
ADAMS											
ALLAMAKEE					/ 1						/ 1
APPANOOSE	1 /							/ 1			1 / 1
AUDUBON		1 /				1 /		/ 1			2 / 1
BENTON						2 /			/ 1		2 / 1
BLACKHAWK					1 /	1 /	4 / 3	/ 4	2 /		8 / 7
BOONE											
BREMER					1 /		1 /				2 /
BUCHANAN				/ 1		1 /					1 / 1
BUENA VISTA			1 /			2 /				/ 1	3 / 1
BUTLER			1 /								1 /
CALHOUN						2 /					2 /
CARROLL								/ 1			/ 1
CASS											
CEDAR			1 /							1 /	2 /
CERRO GORDO			/ 1	1 /	2 /	3 / 1	/ 3	2 /	/ 3		8 / 8
CHEROKEE			1 /	1 /							2 /
CHICKASAW	1 /					1 /			4 /	/ 2	6 / 2
CLARKE			1 /					1 /			2 /
CLAY					1 /						1 /
CLAYTON						1 /	/ 3				1 / 3
CLINTON	1 /		/ 1		1 / 1					4 /	6 / 2
CRAWFORD							1 /	1 / 2			2 / 2
DALLAS	2 /	1 /				1 /	1 /	/ 1		/ 2	5 / 3
DAVIS					1 /		/ 1	/ 2	/ 1		1 / 4
DECATUR		1 /			1 /	1 /		/ 1			3 / 1
DELAWARE							/ 1				/ 1
DES MOINES				1 /		1 / 1	/ 1	1 / 2			3 / 4
DICKINSON											
DUBUQUE	1 /	1 /				3 / 1	2 / 1	/ 5	/ 2	1 /	8 / 9
EMMET			1 /								1 /
FAYETTE	2 /		/ 1			1 /	1 /			1 /	5 / 1
FLOYD				1 / 3	1 / 2	1 /		1 /		/ 2	4 / 7
FRANKLIN			1 /								1 /
FREMONT											
GREENE							/ 2				/ 2
GRUNDY					1 /						1 /
GUTHRIE		1 /					/ 1				1 / 1
HAMILTON							1 /				1 /
HANCOCK											
HARDIN	1 /					1 / 1		/ 1		/ 1	2 / 3
HARRISON		2 /									2 /
HENRY									/ 1	1 /	1 / 1
HOWARD											
HUMBOLDT											
IDA											
IOWA	1 /										1 /
JACKSON					2 /	2 /			/ 1	/ 1	4 / 2
JASPER				1 /							1 /
JEFFERSON		1 /		3 /							4 /

TYPHOID FEVER / OTHER SALMONELLA INFECTIONS

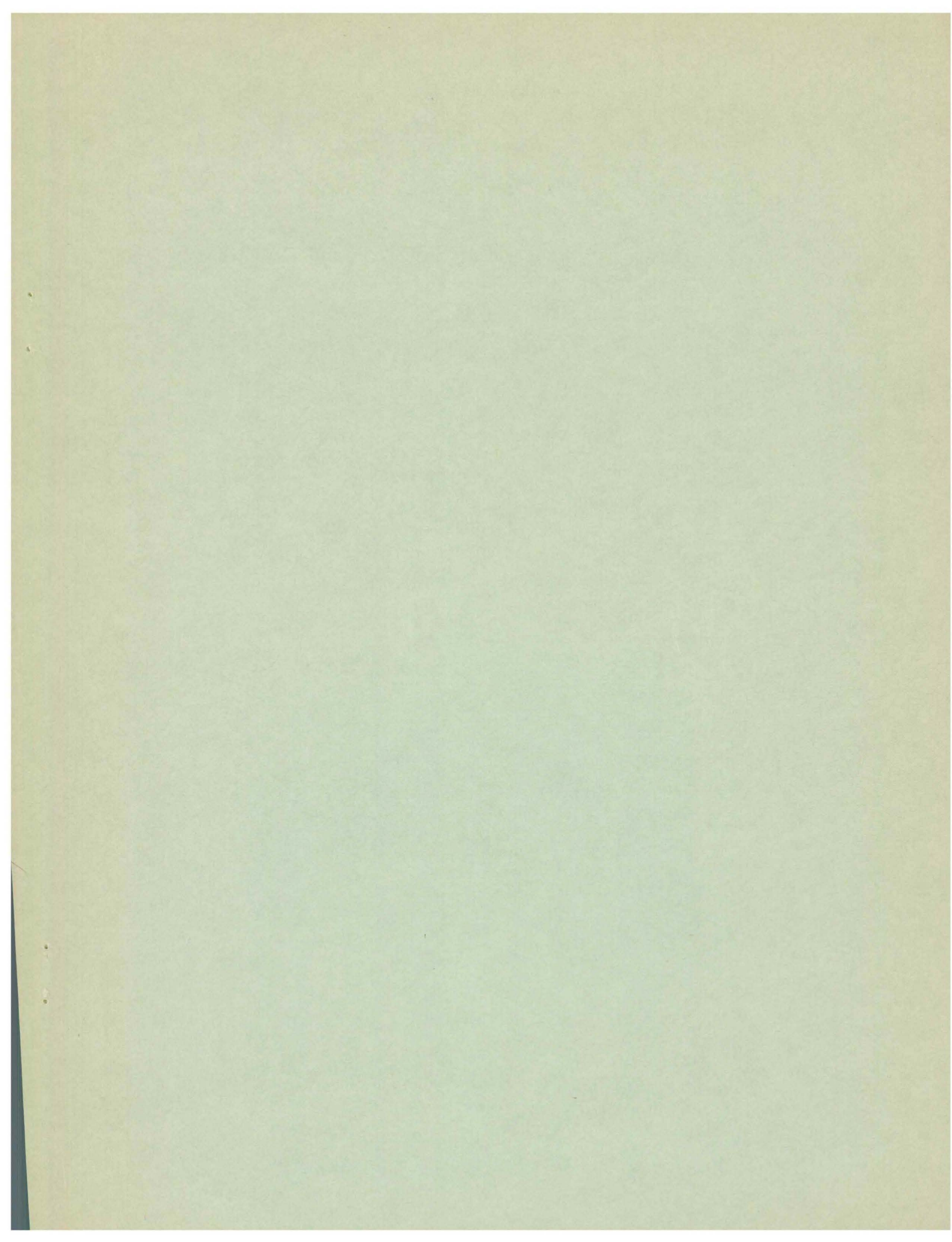
COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	/ 3					/ 2	/11	1 / 8	/ 7	/ 2	1 / 33
JONES											
KEOKUK			1 /			1 /					2 /
KOSSUTH							/ 1	1 /			1 / 1
LEE	1 /		2 /		4 /	2 /	1 / 2	1 / 1			11 / 3
LINN	2 /		2 / 1	1 /	2 /	3 / 1	1 / 3	1 / 6	/12	1 / 2	13 / 25
LOUISA										/ 1	/ 1
LUCAS				1 /					/ 2		1 / 2
LYON											
MADISON											
MAHASKA		1 /									1 /
MARION	/ 1	1 /				1 /		/ 1			2 / 2
MARSHALL	1 /				1 /		1 /	/ 1			3 / 1
MILLS		1 /				1 /				/ 1	2 / 1
MITCHELL					1 /			/ 1			1 / 1
MONONA		1 /									1 /
MONROE				1 /		/ 2					1 / 2
MONTGOMERY						1 /			1 /		2 /
MUSCATINE	1 /	1 /		1 /	2 /	1 /		/ 1		/ 2	6 / 3
O'BRIEN			1 /		/ 1						1 / 1
OSCEOLA							1 /				1 /
PAGE							/ 1				/ 1
PALO ALTO											
PLYMOUTH											
POCAHONTAS											
POLK	6 / 1	1 /	1 / 1	1 / 2	1 / 2	7 / 33	4 / 23	1 / 17	1 / 13	/13	23 / 105
POTTAWATTAMIE	6 /		2 / 1		/ 1	3 / 1		1 / 2	/ 2		12 / 7
POWESHIEK						1 /					1 /
RINGGOLD	1 /	5 /	1 /					/ 1			7 / 1
SAC							1 /			/ 1	1 / 1
SCOTT		5 /	2 /	4 / 1	1 /	3 /	1 / 2		/ 1	1 / 1	17 / 5
SHELBY						1 /	1 /				2 /
SIOUX											
STORY					1 /	2 / 2	/ 1	/ 1	/ 1		3 / 5
TAMA		1 /			1 /	1 / 1	2 /				5 / 1
TAYLOR											
UNION											
VAN BUREN						2 /				/ 1	2 / 1
WAPELLO			1 /		1 /	1 / 1	/ 2			2 / 1	5 / 4
WARREN	2 /					2 /					4 /
WASHINGTON								/ 1			/ 1
WAYNE											
WEBSTER			1 /	/ 1	/ 1	1 /	/ 2	/ 3	/ 1		2 / 8
WINNEBAGO											
WINNESHIEK										1 /	1 /
WOODBURY		2 /		2 / 1	1 /	1 /					6 / 1
WORTH						1 /					1 /
WRIGHT		/ 1									/ 1
TOTAL	30 / 5	27 / 1	21 / 6	19 / 9	28 / 9	61 / 47	24 / 64	12 / 65	8 / 48	13 / 34	243 / 288

WHOOPING COUGH

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
ADAIR											
ADAMS				1							1
ALLAMAKEE	1				6	3				1	11
APPANOOSE	1	1		1					6		9
AUDUBON	1										1
BENTON	4										4
BLACKHAWK	32	3		37	41	16		5	10	1	145
BOONE	22	17	7		3		1	3	2	1	56
BREMER		7			4						11
BUCHANAN											
BUENA VISTA	2	1		13		40	3	5	40	1	105
BUTLER									5		5
CALHOUN	9		2	4							15
CARROLL					3						3
CASS	2					5	3			2	12
CEDAR			1			1			7		9
CERRO GORDO	19	8	3	22	12	5			4	11	84
CHEROKEE			5						5		10
CHICKASAW					2	1					3
CLARKE											
CLAY					1	4			17		22
CLAYTON	1				4						5
CLINTON	239	6	7	8	5		5	4	12		286
CRAWFORD							10			8	18
DALLAS				1	1					11	13
DAVIS				3				2	4		9
DECATUR											
DELAWARE	1				5						6
DES MOINES	58	62	6	16	13	28	39	13	90	19	344
DICKINSON											
DUBUQUE	2		3	33	56	35	6	11	21		167
EMMET											
FAYETTE											
FLOYD	2		1	10	19	13			1		46
FRANKLIN						4					4
FREMONT											
GREENE			3					2		3	8
GRUNDY			9								9
GUTHRIE	1			14				1			16
HAMILTON			1	2	1	1		1			6
HANCOCK		4									4
HARDIN				5			10				15
HARRISON							5	1			6
HENRY					17				2		19
HOWARD						9					9
HUMBOLDT				6					2		8
IDA											
IOWA				1	5				15		21
JACKSON							1				1
JASPER				9	1	2					12
JEFFERSON			3		3	1					7

WHOOPING COUGH

COUNTIES	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	TOTAL
JOHNSON	11	2	4			5		2	5		29
JONES	3			2					1		6
KEOKUK						2					2
KOSSUTH			1								1
LEE		5		3	2	24					34
LINN	29	6	5	5	5	8		1			59
LOUISA	11	1			1	1					14
LUCAS				6					2		8
LYON				4		1					5
MADISON											
MAHASKA											
MARION					1	1					2
MARSHALL								1			1
MILLS											
MITCHELL		1			7				1		9
MONONA				12							12
MONROE											
MONTGOMERY				6	1						7
MUSCATINE	3					2		1	2		8
O'BRIEN	1			1							2
OSCEOLA								1			1
PAGE			1	1	1	5			5		13
PALO ALTO					1						1
PLYMOUTH			7					3			10
POCAHONTAS		1		1							2
POLK	14	58	84	26	70	181	56	5	22	33	554
POTTAWATTAMIE	2		13	3	22	87	41	10	11	13	202
POWESHIEK				1					2		3
RINGGOLD											
SAC		2	1	1	3	1		4			12
SCOTT	9	5	32	69	544	17	9	12	73	3	773
SHELBY	1	2			5	1	3				12
SIoux	1			2							3
STORY	2	1	3	6	10	13	1	1			37
TAMA				12							12
TAYLOR					1						1
UNION	3	3	101	3	1	2	1				114
VAN BUREN											
WAPELLO		7		3	13	1		1			25
WARREN			1	5				2		2	10
WASHINGTON	2	1					4				7
WAYNE											
WEBSTER		1			12	1					14
WINNEBAGO											
WINNESHIEK					6				1		7
WOODBURY	5	3	2	13	3			1		1	28
WORTH						1					1
WRIGHT								1			1
TOTAL	494	208	306	371	911	522	198	94	368	115	3587



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