

## Indices of data quality

### Liver (C22)

	Male				Female			
	Cases	MV(%)	DCO(%)	MI(%)	Cases	MV(%)	DCO(%)	MI(%)
<b>Africa</b>								
*Algeria, Sétif	48	93.8			40	92.5		
Egypt, Gharbiah	1806	24.7	9.9	62.2	433	24.2	13.9	69.1
*Libya, Benghazi	58	17.2	32.8	86.2	44	15.9	36.4	90.9
*Malawi, Blantyre	94	35.1			49	42.9		
*South Africa, PROMEC	38	34.2			28	28.6		
*Tunisia, North	117	59.0			72	61.1		
*Uganda, Kyadondo County	177	29.9	0.0		131	29.0	0.0	
*Zimbabwe, Harare: African	199	12.1	37.7		101	13.9	34.7	
<b>America, Central and South</b>								
Argentina, Bahía Blanca	44	75.0	25.0	68.2	23	65.2	34.8	73.9
Argentina, Córdoba	121	59.5	31.4	93.4	96	60.4	34.4	106.2
Argentina, Mendoza	163	69.3	25.8	127.0	119	59.7	35.3	151.3
*Argentina, Tierra del Fuego	11	72.7	9.1	18.2	2	50.0	50.0	100.0
Brazil, Aracaju	40	47.5	50.0	100.0	38	31.6	60.5	100.0
Brazil, Belo Horizonte	156	59.0	37.2	84.6	102	45.1	52.0	105.9
Brazil, Cuiabá	27	70.4	29.6	129.6	20	20.0	80.0	150.0
Brazil, Fortaleza	28	85.7	0.0	417.9	19	94.7	0.0	715.8
Brazil, Goiânia	139	54.0	30.9	95.7	77	53.2	36.4	92.2
*Brazil, São Paulo	623	75.8	23.6	232.9	300	73.3	26.0	337.0
Chile, Region of Antofagasta	50	44.0	36.0	146.0	43	53.5	25.6	93.0
Chile, Bío Bío Province	35	8.6	11.4	125.7	27	11.1	14.8	163.0
Chile, Valdivia	48	35.4	22.9	102.1	39	25.6	23.1	120.5
Colombia, Bucaramanga	85	50.6	27.1	145.9	90	56.7	27.8	154.4
Colombia, Cali	178	61.2	14.0	131.5	182	60.4	13.7	133.0
Colombia, Manizales	22	72.7	22.7	213.6	19	47.4	31.6	294.7
Colombia, Pasto	28	60.7	28.6	171.4	32	46.9	40.6	137.5
Costa Rica	505	32.3	35.2	98.8	349	24.1	43.6	106.9
Cuba, Villa Clara	102	43.1	20.6	103.9	96	59.4	16.7	105.2
Ecuador, Cuenca	29	58.6	10.3	141.4	61	52.5	18.0	118.0
Ecuador, Quito	140	51.4	27.1	123.6	142	44.4	40.8	136.6
*France, Martinique	47	63.8		146.8	37	67.6		127.0
*Jamaica, Kingston and St Andrew	18	33.3			13	38.5		
USA, Puerto Rico	943	53.2	30.1	84.3	499	45.3	35.7	104.0
Uruguay	197	45.2	25.9	101.0	91	45.1	37.4	100.0
<b>America, North</b>								
Canada	5917	53.9	3.0	81.1	2515	50.0	4.5	108.5
Canada, Alberta	572	59.1	1.0	85.5	254	53.1	1.2	105.1
Canada, British Columbia	888	46.7	4.6	86.9	349	41.5	9.2	107.4
Canada, Manitoba	201	37.8	1.0	89.6	97	37.1	6.2	120.6
Canada, New Brunswick	94	62.8	0.0	88.3	41	68.3	0.0	136.6
Canada, Newfoundland and Labrador	50	72.0	0.0	152.0	24	83.3	0.0	183.3
*Canada, Northwest Territories	2	0.0	0.0	50.0	2	0.0	0.0	100.0
Canada, Nova Scotia	122	49.2	0.0	107.4	52	50.0	3.8	175.0
Canada, Ontario	2134	67.8	2.7	99.1	800	65.2	2.5	137.5
Canada, Prince Edward Island	24	62.5	0.0	104.2	6	83.3	0.0	166.7
*Canada, Quebec	1710	38.9	3.8	74.7	827	36.8	5.8	93.6
Canada, Saskatchewan	116	67.2	4.3	101.7	63	57.1	4.8	139.7
*Canada, Yukon	4	25.0	25.0	100.0	0	0.0	0.0	4.0
USA, NPCR (42 states)	59442	71.3	5.0	78.2	24502	70.2	6.1	100.9
USA, NPCR (42 states): American Indian	504	64.3	6.2	74.8	244	62.7	7.4	85.2
USA, NPCR (42 states): Asian and Pacific Islander	4701	68.8	2.3	67.8	1995	64.3	3.7	80.3
USA, NPCR (42 states): Black	8375	70.5	5.5	77.1	3030	73.2	5.0	97.8
USA, NPCR (42 states): White	45080	71.8	5.2	80.9	18913	70.4	6.5	105.5
USA, SEER (9 registries)	6803	69.4	3.2	72.0	2770	68.0	5.6	96.1
*USA, SEER (9 registries): Black	936	70.6	2.5		336	70.2	4.5	
*USA, SEER (9 registries): White	4443	70.0	3.7		1762	68.9	6.2	
USA, SEER (18 registries)	19854	68.1	3.0	70.6	8191	66.1	4.7	92.8
*USA, SEER (18 registries): Asian and Pacific Islander	3319	67.4	1.9		1497	62.4	3.2	
*USA, SEER (18 registries): Black	2361	69.5	3.3		893	71.3	3.9	
*USA, SEER (18 registries): Hispanic White	3324	62.4	3.3		1322	62.5	3.9	
*USA, SEER (18 registries): Non-Hispanic White	10562	70.0	3.2		4355	67.6	5.6	
*USA, SEER (18 registries): White	13886	68.2	3.2		5677	66.4	5.2	
USA, Alabama	841	72.5	7.1	96.6	372	71.2	8.1	128.8
USA, Alabama: Black	206	73.3	6.8	93.2	76	73.7	9.2	157.9
USA, Alabama: White	618	72.3	7.1	98.2	288	70.5	8.0	121.5
USA, Alaska	138	68.1	2.2	68.8	57	68.4	1.8	73.7
*USA, Alaska: American Indian	20	70.0	0.0	90.0	13	69.2	0.0	100.0
USA, Arizona	1278	63.7	6.6	77.5	511	59.5	11.4	103.3
USA, Arizona: American Indian	62	61.3	8.1	61.3	30	46.7	6.7	130.0
USA, Arizona: Asian and Pacific Islander	35	68.6	2.9	68.6	15	66.7	6.7	66.7
USA, Arizona: Black	50	56.0	6.0	60.0	12	58.3	0.0	108.3
USA, Arizona: White	1127	64.1	6.7	79.8	450	60.0	12.2	103.6
USA, Arkansas	505	76.6	6.1	107.9	209	77.0	7.2	161.7
USA, Arkansas: Black	64	78.1	6.2	110.9	25	92.0	4.0	180.0
USA, Arkansas: White	427	75.9	6.3	109.8	176	76.1	6.2	163.6
USA, California	9821	64.5	2.2	70.9	4013	63.0	2.9	92.1
USA, California: American Indian	97	58.8	2.1	70.1	26	50.0	11.5	103.8
USA, California: Asian and Pacific Islander	2313	65.5	1.7	66.9	1014	60.0	2.9	78.4
USA, California: Black	744	64.7	2.7	72.0	284	70.8	2.1	91.5
USA, California: White	6581	64.1	2.4	73.1	2651	63.6	3.0	98.6
USA, California, Los Angeles County	2607	67.2	2.8	73.5	1214	64.0	4.0	94.3
*USA, California, Los Angeles County: Asian and Pacific Islander	736	70.0	2.0		330	62.1	3.6	
*USA, California, Los Angeles County: Black	266	69.9	3.0		117	70.9	0.9	
*USA, California, Los Angeles County: Chinese	233	68.2	1.7		105	56.2	4.8	
*USA, California, Los Angeles County: Filipino	131	80.2	0.0		49	87.8	2.0	
*USA, California, Los Angeles County: Hispanic White	858	62.9	3.5		425	64.5	3.5	

\*Important. See note on population page.

## Indices of data quality Liver (C22) (contd)

	Male				Female			
	Cases	MV(%)	DCO(%)	MI(%)	Cases	MV(%)	DCO(%)	MI(%)
<b>America, North (contd)</b>								
*USA, California, Los Angeles County: Japanese	48	60.4	8.3		42	59.5	0.0	
*USA, California, Los Angeles County: Korean	161	67.1	2.5		69	62.3	4.3	
*USA, California, Los Angeles County: Non-Hispanic White	734	68.4	2.7		335	63.6	5.7	
*USA, California, Los Angeles County: White	1592	65.5	3.1		760	64.1	4.5	
USA, California, San Francisco Bay Area	1519	60.8	2.8	67.9	579	59.6	3.1	91.0
*USA, California, San Francisco Bay Area: Asian and Pacific Islander	562	60.9	1.4		229	56.3	3.1	
*USA, California, San Francisco Bay Area: Black	191	58.1	3.7		70	64.3	2.9	
*USA, California, San Francisco Bay Area: Hispanic White	212	57.1	4.2		72	55.6	4.2	
*USA, California, San Francisco Bay Area: Non-Hispanic White	537	62.9	3.4		206	63.6	2.9	
*USA, California, San Francisco Bay Area: White	749	61.3	3.6		278	61.5	3.2	
USA, Colorado	841	66.8	5.0	71.9	346	70.8	6.9	97.7
USA, Colorado: Asian and Pacific Islander	42	66.7	4.8	64.3	27	63.0	11.1	88.9
USA, Colorado: Black	53	67.9	5.7	64.2	11	63.6	0.0	100.0
USA, Colorado: White	730	66.7	5.1	74.0	296	72.3	6.8	100.7
USA, Connecticut	873	82.7	2.3	69.4	301	78.1	5.3	104.0
*USA, Connecticut: Black	92	73.9	1.1		38	76.3	2.6	
*USA, Connecticut: White	741	83.7	2.4		246	78.5	6.1	
USA, Delaware	200	76.5	5.0	80.5	57	82.5	8.8	93.0
USA, Delaware: Black	53	77.4	5.7	71.7	16	87.5	12.5	37.5
USA, Delaware: White	143	76.9	4.9	83.2	39	82.1	7.7	117.9
USA, Florida	4718	74.1	9.1	81.6	1820	73.4	9.2	98.8
USA, Florida: Asian and Pacific Islander	104	85.6	0.0	72.1	45	80.0	0.0	102.2
USA, Florida: Black	574	74.2	8.0	74.0	217	78.3	5.1	87.6
USA, Florida: White	3974	73.9	9.5	84.1	1527	72.8	10.0	102.3
USA, Georgia	1574	75.7	4.8	74.5	610	72.8	9.5	102.0
USA, Georgia: Asian and Pacific Islander	65	78.5	0.0	61.5	28	85.7	0.0	82.1
USA, Georgia: Black	448	77.0	3.8	70.5	153	73.9	7.2	107.2
USA, Georgia: White	1055	75.1	5.6	76.9	427	71.7	11.0	101.4
USA, Georgia, Atlanta	533	76.2	3.0	67.7	197	70.6	8.1	88.8
*USA, Georgia, Atlanta: Black	223	76.2	2.7		66	71.2	7.6	
*USA, Georgia, Atlanta: White	255	75.3	3.9		114	69.3	9.6	
USA, Idaho	201	70.1	10.4	90.0	91	64.8	12.1	96.7
USA, Illinois	2567	74.8	6.1	79.0	1129	73.4	7.3	106.5
USA, Illinois: Asian and Pacific Islander	131	66.4	7.6	71.8	46	71.7	6.5	91.3
USA, Illinois: Black	448	70.8	9.8	77.5	198	68.2	12.6	93.9
USA, Illinois: White	1962	76.1	5.2	80.6	871	74.4	6.1	111.8
USA, Indiana	1095	76.6	6.8	87.4	492	73.6	8.9	109.8
USA, Indiana: Black	139	73.4	8.6	90.6	49	77.6	4.1	89.8
USA, Indiana: White	947	77.1	6.5	87.2	437	72.8	9.6	113.0
USA, Iowa	485	70.1	4.1	84.9	242	66.9	6.6	108.7
USA, Kentucky	742	72.2	3.2	88.3	349	71.9	3.7	120.6
USA, Louisiana	883	70.0	5.3	90.1	317	70.0	6.3	125.6
*USA, Louisiana: Black	311	68.5	6.1		102	68.6	4.9	
*USA, Louisiana: White	546	70.7	5.1		205	71.7	7.3	
*USA, Louisiana, New Orleans	250	66.4	7.6		87	63.2	8.0	
*USA, Louisiana, New Orleans: Black	94	63.8	9.6		33	66.7	6.1	
*USA, Louisiana, New Orleans: White	146	67.8	6.8		51	62.7	9.8	
USA, Maine	251	70.9	3.2	86.1	116	70.7	8.6	107.8
USA, Massachusetts	1681	75.4	5.3	75.8	615	72.2	4.9	94.8
USA, Massachusetts: Asian and Pacific Islander	155	78.1	2.6	59.4	37	62.2	10.8	81.1
USA, Massachusetts: Black	111	64.9	7.2	78.4	34	73.5	0.0	97.1
USA, Massachusetts: White	1401	76.0	5.4	78.0	532	72.2	4.9	97.7
USA, Michigan	2098	72.6	4.0	79.3	967	69.4	3.5	100.1
USA, Michigan: Asian and Pacific Islander	51	70.6	0.0	60.8	29	75.9	3.4	96.6
USA, Michigan: Black	439	73.1	3.4	80.6	175	68.0	1.1	86.9
USA, Michigan: White	1558	72.8	4.2	80.8	750	69.6	4.1	104.4
USA, Michigan, Detroit	977	78.8	3.6	75.2	439	75.6	7.5	101.4
*USA, Michigan, Detroit: Black	317	78.2	2.2		131	71.0	5.3	
*USA, Michigan, Detroit: White	629	79.2	4.1		284	77.5	8.8	
USA, Mississippi	600	74.2	14.2	99.0	245	66.1	21.6	131.8
USA, Missouri	1304	69.9	5.4	77.2	546	68.9	5.5	103.7
USA, Missouri: Black	263	63.1	6.5	74.1	76	78.9	2.6	103.9
USA, Missouri: White	987	71.9	5.1	79.9	451	67.2	6.2	104.9
USA, Montana	128	72.7	10.2	99.2	72	72.2	11.1	105.6
USA, Montana: American Indian	15	73.3	13.3	93.3	12	75.0	0.0	83.3
USA, Nebraska	280	78.6	5.4	85.4	118	81.4	3.4	102.5
USA, Nebraska: Black	25	72.0	0.0	64.0	5	100.0	0.0	100.0
USA, Nebraska: White	242	78.5	6.2	87.6	104	82.7	2.9	107.7
USA, New Hampshire	224	69.6	5.8	89.7	77	74.0	3.9	137.7
USA, New Jersey	2063	72.2	3.4	73.2	895	65.1	6.3	94.9
*USA, New Jersey: Black	274	69.7	4.4		128	70.3	3.9	
*USA, New Jersey: White	1592	73.2	3.2		704	64.5	6.8	
USA, New Mexico	546	60.6	9.2	72.7	222	62.6	13.1	94.6
*USA, New Mexico: Hispanic White	279	59.5	10.0		87	63.2	12.6	
*USA, New Mexico: Non-Hispanic White	206	61.7	10.2		92	57.6	13.0	
*USA, New Mexico: White	485	60.4	10.1		179	60.3	12.8	
USA, New York State	5505	72.6	1.8	64.8	2262	68.7	3.2	84.5
USA, New York State: Asian and Pacific Islander	611	70.7	1.3	61.0	199	69.3	2.5	65.8
USA, New York State: Black	990	72.8	2.0	61.9	378	72.5	0.5	80.4
USA, New York State: White	3771	72.9	1.8	68.3	1632	67.9	3.9	90.1
USA, North Carolina	1657	74.1	7.2	80.7	624	69.4	11.2	110.7
USA, North Carolina: American Indian	17	58.8	5.9	76.5	6	83.3	16.7	50.0
USA, North Carolina: Asian and Pacific Islander	41	73.2	7.3	58.5	25	68.0	16.0	92.0
USA, North Carolina: Black	343	73.5	6.7	83.1	135	71.9	11.9	102.2
USA, North Carolina: White	1230	75.0	6.8	82.6	454	68.5	10.6	116.1
USA, North Dakota	91	79.1	3.3	94.5	50	78.0	6.0	128.0
USA, Ohio	1990	83.4	4.6	89.8	916	82.3	5.8	111.7
USA, Ohio: Asian and Pacific Islander	30	93.3	3.3	73.3	13	84.6	0.0	138.5
USA, Ohio: Black	385	80.0	6.0	77.9	140	87.1	4.3	92.1
USA, Ohio: White	1545	83.9	4.4	94.7	747	81.3	6.3	117.3

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## Indices of data quality Liver (C22) (contd)

	Male				Female			
	Cases	MV(%)	DCO(%)	MI(%)	Cases	MV(%)	DCO(%)	MI(%)
<b>America, North (contd)</b>								
USA, Oklahoma	757	70.0	8.1	79.3	348	69.8	6.3	88.5
USA, Oklahoma: American Indian	89	69.7	4.5	60.7	51	64.7	5.9	66.7
USA, Oklahoma: Black	57	68.4	10.5	94.7	23	60.9	8.7	82.6
USA, Oklahoma: White	588	70.4	8.3	82.0	259	70.7	6.2	93.8
USA, Oregon	777	57.3	3.5	75.8	333	67.6	3.6	96.7
USA, Oregon: Asian and Pacific Islander	78	56.4	2.6	78.2	23	60.9	4.3	56.5
USA, Oregon: Black	19	57.9	5.3	73.7	5	40.0	20.0	100.0
USA, Oregon: White	651	57.3	3.7	77.9	291	69.1	3.4	103.1
USA, Pennsylvania	3182	73.2	4.9	73.5	1215	70.6	5.0	110.0
USA, Pennsylvania: Asian and Pacific Islander	88	77.3	0.0	54.5	41	70.7	2.4	58.5
USA, Pennsylvania: Black	513	65.5	5.5	65.1	153	69.3	2.0	102.0
USA, Pennsylvania: White	2522	74.6	5.1	77.5	1004	70.7	5.7	115.2
USA, Rhode Island	304	76.6	2.3	71.7	124	77.4	4.8	91.9
USA, Rhode Island: Black	20	90.0	0.0	110.0	9	88.9	11.1	33.3
USA, Rhode Island: White	264	75.4	1.9	71.2	111	76.6	4.5	96.4
USA, South Carolina	764	70.7	5.4	95.5	279	74.2	5.0	128.3
USA, South Carolina: Black	184	70.1	7.1	108.2	71	76.1	2.8	129.6
USA, South Carolina: White	567	70.7	4.9	91.9	197	73.6	5.6	128.9
USA, South Dakota	88	68.2	13.6	118.2	48	70.8	2.1	147.9
USA, Tennessee	1037	71.1	9.7	98.0	431	74.0	7.4	125.1
USA, Tennessee: Black	180	68.3	10.6	100.6	72	72.2	4.2	119.4
USA, Tennessee: White	829	71.3	9.8	98.2	346	74.0	7.8	126.6
USA, Texas	5926	71.3	4.8	76.8	2419	72.4	5.8	94.2
USA, Texas: Asian and Pacific Islander	239	69.9	4.6	79.9	114	72.8	3.5	66.7
USA, Texas: Black	801	67.2	4.7	73.5	270	71.5	4.1	100.0
USA, Texas: White	4765	72.2	4.9	79.0	1989	72.8	6.0	96.7
USA, Utah	246	69.5	1.6	83.7	98	78.6	1.0	128.6
USA, Vermont	104	77.9	6.7	74.0	38	63.2	10.5	123.7
USA, Virginia	1433	70.3	8.5	79.4	574	71.4	8.9	99.0
USA, Virginia: Asian and Pacific Islander	134	71.6	9.7	61.2	37	51.4	16.2	113.5
USA, Virginia: Black	298	65.4	10.4	90.6	118	69.5	11.9	101.7
USA, Virginia: White	971	71.6	8.0	80.5	406	73.4	7.6	100.0
USA, Washington State	1449	62.1	2.1	78.2	599	62.1	2.7	101.0
USA, Washington, Seattle	1140	61.9	1.1	71.9	466	62.0	1.9	89.7
USA, West Virginia	322	69.6	7.5	91.3	185	68.6	9.7	104.9
USA, Wisconsin	1067	70.2	10.6	85.1	514	73.3	13.4	98.1
USA, Wisconsin: Black	88	64.8	6.8	79.5	22	86.4	4.5	140.9
USA, Wisconsin: White	895	71.1	11.7	89.5	454	72.9	14.8	100.7
USA, Wyoming	74	78.4	2.7	93.2	38	63.2	5.3	115.8
<b>Asia</b>								
Bahrain: Bahraini	36	61.1	8.3	105.6	23	60.9	4.3	95.7
China, Beijing City	4716	35.6	0.4	95.4	1597	33.3	0.4	103.3
*China, Cixian County	448	31.7	4.0	93.5	235	26.8	3.0	91.5
China, Haining County	550	17.8	3.8	79.8	221	17.2	7.7	85.5
*China, Harbin City, Nangang District	894	51.3	3.6	91.4	336	48.2	5.7	86.9
China, Hong Kong	6503	35.6	1.8	83.7	2001	33.0	2.9	90.1
China, Jiashan County	467	28.3	1.3	93.8	202	26.7	1.0	91.6
China, Jiaxing City	353	24.9	3.4	84.4	126	16.7	7.9	85.7
China, Macao	252	43.3	8.7	90.5	84	44.0	4.8	95.2
China, Qidong County	3261	18.3	2.1	92.3	1192	14.5	2.2	89.7
*China, Shanghai City	6128	22.4	0.6	86.6	2419	20.5	0.5	88.0
*China, Wuhan City	4061	44.4		82.4	1271	39.7		91.3
*China, Yangcheng County	372	8.3		110.8	142	9.2		126.8
*China, Yanting County	1039	62.3	0.9	90.1	417	65.5	1.9	89.4
*China, Zhongshan City	1111	25.9		89.6	242	37.6		84.7
*India, Bangalore	296	75.3	17.6		110	65.5	23.6	
*India; Barshi, Paranda, and Bhum	31	90.3			10	90.0		
*India, Bhopal	44	84.1	0.0		23	95.7	0.0	
*India, Chennai	301	71.8	3.7		105	61.9	7.6	
*India, Dindigul, Ambilikai	90	67.8	4.4		19	21.1	5.3	
*India, Karunagappally	49	36.7	2.0		12	25.0	8.3	
*India, Mizoram	111	75.7	2.7		69	82.6	0.0	
*India, Mumbai	1195	85.4	7.1		567	88.9	4.2	
*India, New Delhi	647	84.1	1.2		340	80.0	0.9	
*India, Poona	306	87.9	7.2		127	82.7	8.7	
*India, Sikkim State	77	72.7	3.9		45	64.4	4.4	
*India, Trivandrum	84	47.6	4.8		16	37.5	0.0	
*Iran (Islamic Republic of), Golestan Province	60	48.3	6.7	188.3	36	50.0	2.8	144.4
Israel	629	63.3	18.9	119.6	376	48.7	32.4	156.4
*Israel: Jews	559	63.0	19.5		341	49.0	31.1	
*Israel: Non-Jews	70	65.7	14.3		35	45.7	45.7	
Japan, Aichi Prefecture	1181	24.0	15.8	75.0	550	20.2	23.5	80.5
Japan, Fukui Prefecture	912	19.6	3.3	72.6	592	15.9	5.4	76.5
Japan, Hiroshima	1842	41.7	14.1	65.4	919	36.2	15.8	64.5
Japan, Miyagi Prefecture	1900	29.8	11.9	77.7	991	20.9	19.6	79.0
Japan, Nagasaki Prefecture	1976	34.5	14.9	86.8	998	28.9	20.2	83.0
Japan, Niigata Prefecture	1769	27.5	22.5	81.5	954	19.5	26.9	86.6
*Japan, Osaka Prefecture	11922	20.7	16.0	92.4	5689	18.6	18.8	89.0
Japan, Saga Prefecture	1484	30.9	14.2	84.2	881	21.9	19.9	88.8
Republic of Korea	55652	26.2	4.1	74.3	18479	25.0	6.2	73.0
Republic of Korea, Busan	5176	20.8	4.3	78.4	1667	21.8	5.8	78.3
Republic of Korea, Daegu	2830	28.4	3.6	31.8	908	26.9	6.1	71.9
Republic of Korea, Daejeon	1230	33.0	2.2	71.6	421	28.7	2.9	67.0
Republic of Korea, Gwangju	1547	16.3	1.7	71.3	476	13.7	4.4	70.0
Republic of Korea, Incheon	2251	25.9	1.7	77.6	779	27.9	4.1	75.7
Republic of Korea, Jeju-do	633	28.1	0.0	65.1	208	23.1	1.9	69.2
Republic of Korea, Seoul	10083	26.8	4.1	70.3	3300	27.3	5.4	68.4
Republic of Korea, Ulsan	1007	28.3	3.3	71.2	324	28.7	5.6	72.2

\*Important. See note on population page.

## Indices of data quality Liver (C22) (contd)

	Male				Female			
	Cases	MV(%)	DCO(%)	MI(%)	Cases	MV(%)	DCO(%)	MI(%)
<b>Asia (contd)</b>								
Kuwait	156	53.8	1.9	100.0	43	41.9	4.7	155.8
*Kuwait: Kuwaitis	66	59.1	3.0		25	36.0	8.0	
*Kuwait: Non-Kuwaitis	90	50.0	1.1		18	50.0	0.0	
*Malaysia, Penang	187	68.4			96	70.8		
*Malaysia, Penang: Chinese	146	67.1			61	75.4		
*Malaysia, Penang: Indian	8	62.5			12	66.7		
*Malaysia, Penang: Malay	33	75.8			21	61.9		
*Philippines, Manila	1686	19.2	15.8		706	21.5	16.3	
*Philippines, Rizal	1583	42.8	19.0		663	43.0	19.3	
Qatar: Qatari	35	51.4	11.4	88.6	13	69.2	7.7	100.0
*Saudi Arabia, Riyadh: Saudi	531	39.7	4.1		242	46.7	3.3	
Singapore	1663	39.7	4.6	91.9	534	38.8	5.1	98.7
Singapore: Chinese	1451	40.7	4.4	89.9	471	38.9	4.7	97.2
Singapore: Indian	66	40.9	10.6	90.9	18	44.4	0.0	66.7
Singapore: Malay	131	26.7	3.1	103.1	40	32.5	12.5	112.5
Thailand, Bangkok	3342	37.2	11.6	78.9	1193	35.9	11.1	72.1
Thailand, Chiang Mai	1248	18.8	16.3	90.4	508	19.5	16.7	90.7
Thailand, Chonburi	561	23.5	13.9	73.8	176	24.4	12.5	91.5
*Thailand, Khon Kaen	2638	7.8	8.4		1220	8.4	7.7	
Thailand, Lampang	926	26.1	11.9	73.2	379	25.1	11.1	72.6
*Thailand, Songkhla	415	17.6	5.1		116	24.1	7.8	
*Turkey, Antalya	136	73.5	6.6	77.9	72	72.2	8.3	68.1
*Turkey, Edirne	43	48.8	27.9		26	34.6	23.1	
*Turkey, Izmir	474	58.0	7.4		208	58.7	16.3	
*Turkey, Trabzon	41	70.7	7.3		14	78.6	0.0	
<b>Europe</b>								
Austria	3140	72.8	16.5	81.3	1557	69.6	19.8	88.5
Austria, Tyrol	185	53.5	0.5	88.6	89	62.9	2.2	111.2
Austria, Vorarlberg	98	73.5	4.1	74.5	58	63.8	3.4	93.1
*Belarus	963	72.3		104.4	626	71.9		103.0
*Belgium	1315	84.6		123.0	608	86.0		178.9
Bulgaria	1916	36.7	34.6	141.3	1056	34.5	35.6	166.3
Croatia	1376	54.0	11.7	93.6	753	45.2	17.3	100.8
Cyprus	124	53.2	40.3	102.8	54	46.3	51.9	97.2
Czech Republic	2711	62.1	3.1	103.0	1567	55.8	3.6	113.1
Denmark	947	88.4	0.8	96.5	434	82.3	1.6	110.3
*Estonia	171	67.8		129.2	143	64.3		125.9
Finland	1192	85.6	2.2	94.0	701	73.0	2.6	117.3
*France, Bas-Rhin	547	60.3		86.3	133	50.4		124.8
*France, Calvados	404	34.4		82.2	103	35.0		107.8
*France, Doubs	217	49.8		77.9	42	54.8		123.8
*France, Haut-Rhin	248	78.2		137.9	68	80.9		195.6
*France, Hérault	439	65.4		94.8	128	60.9		135.9
*France, Isère	540	55.0		82.2	141	49.6		103.5
*France, Loire-Atlantique	931	60.4		92.1	152	52.0		131.6
*France, Manche	210	41.0		131.0	38	57.9		205.3
*France, Somme	221	61.1		98.2	78	67.9		110.3
*France, Tarn	120	61.7		84.2	45	60.0		122.2
*France, Vendée	354	72.9		135.9	48	68.8		227.1
Germany, Brandenburg	832	61.5	32.8	79.6	466	56.4	39.5	86.3
Germany, Bremen	188	64.9	22.9	86.7	94	60.6	16.0	141.5
Germany, Free State of Saxony	1753	64.3	28.6	78.7	779	51.0	40.3	92.4
Germany, Hamburg	483	88.0	11.0	64.0	291	84.2	12.4	64.3
Germany, Mecklenburg-Western Pomerania	566	58.8	32.3	86.2	291	53.6	37.5	93.1
Germany, Munich	1334	65.1	31.7	83.6	512	59.0	38.1	94.7
Germany, North Rhine-Westphalia	652	71.5	12.1	81.6	300	62.0	13.7	104.0
Germany, Saarland	394	69.3	20.6	91.1	207	61.4	25.1	99.0
Germany, Schleswig-Holstein	686	57.1	28.7	73.8	339	44.8	36.6	95.3
Iceland	33	69.7	0.0	97.0	16	68.8	0.0	81.2
Ireland	460	52.2	3.7	104.1	250	48.0	5.6	162.4
Italy, Biella	144	36.8	0.7	75.7	69	27.5	5.8	95.7
Italy, Brescia	895	44.2	1.9	71.8	375	36.5	8.3	79.7
Italy, Catania and Messina	411	30.7	5.1	104.6	210	29.0	14.3	143.8
Italy, Catanzaro	129	41.1	3.1	82.2	54	29.6	1.9	127.8
Italy, Como	463	39.7	2.4	82.5	198	28.3	6.6	99.0
Italy, Ferrara	296	32.1	1.7	81.8	174	28.7	2.9	83.9
Italy, Florence and Prato	346	42.2	2.0	92.5	179	27.9	2.2	112.8
Italy, Friuli-Venezia Giulia	1078	46.3	0.6	75.2	449	39.9	0.7	85.3
Italy, Genoa	489	39.5	2.2	78.9	288	30.9	6.6	86.8
Italy, Latina	180	33.3	1.1	98.9	97	20.6	4.1	123.7
Italy, Lecco	296	22.6	0.0	85.5	141	22.0	0.0	82.3
Italy, Lombardy, South	543	63.5	1.3	70.0	295	54.6	1.4	73.2
Italy, Mantua	175	52.0	1.7	78.3	89	36.0	1.1	83.1
Italy, Milan	849	49.8	3.4	78.3	432	37.3	7.2	85.0
Italy, Modena	386	47.7	0.8	76.9	202	36.1	0.5	80.7
Italy, Naples	607	39.5	1.5	59.8	313	26.8	3.2	68.7
Italy, Nuoro	231	31.6	3.0	70.1	84	23.8	3.6	91.7
Italy, Palermo	622	23.6	2.6	93.2	349	18.3	5.4	107.4
Italy, Parma	479	37.8	0.2	74.1	286	39.5	0.0	79.0
Italy, Ragusa	194	18.0	3.6	85.7	98	12.2	8.2	79.1
Italy, Reggio Emilia	250	34.8	0.4	76.8	130	26.2	3.1	86.2
Italy, Romagna	506	42.3	3.4	70.9	233	39.1	1.7	79.4
Italy, Salerno	567	47.4	4.8	91.5	311	39.9	10.6	96.5
Italy, Sassari	302	50.3	6.0	84.8	160	38.1	9.4	101.2
Italy, Sondrio	191	39.8	0.0	89.0	37	27.0	0.0	137.8
Italy, South Tyrol	256	37.1	2.3	70.7	75	38.7	1.3	69.3

\*Important. See note on population page.

## Indices of data quality Liver (C22) (contd)

	Male				Female			
	Cases	MV(%)	DCO(%)	MI(%)	Cases	MV(%)	DCO(%)	MI(%)
<b>Europe (contd)</b>								
Italy, Syracuse	255	25.1	1.2	82.0	120	16.7	8.3	105.0
Italy, Trapani	139	20.9	0.7	105.8	84	20.2	3.6	127.4
Italy, Trento	296	52.0	2.7	81.8	83	36.1	7.2	128.9
Italy, Turin	606	34.3	2.3	82.2	303	31.0	6.3	93.7
Italy, Umbria	489	80.0	0.0	90.8	271	73.4	0.7	90.4
Italy, Varese	516	42.1	2.3	87.0	224	38.8	4.0	96.4
Italy, Veneto	1469	42.9	1.8	77.1	646	37.9	4.0	83.1
Latvia	337	22.6	32.3	99.7	222	28.8	30.6	100.0
Lithuania	470	60.6	14.5	96.4	311	56.3	15.1	106.1
Malta	38	81.6	15.8	115.8	22	86.4	13.6	118.2
*Netherlands	1299	72.0		138.5	567	77.1		191.5
*Netherlands, Eindhoven	65	75.4		160.0	32	68.8		196.9
Norway	421	76.7	2.4	92.6	240	71.2	2.1	128.3
Poland, Cracow	103	75.7	4.9	100.0	70	61.4	14.3	72.9
Poland, Kielce	103	47.6	13.6	146.6	94	46.8	11.7	158.5
Poland, Lower Silesia	292	38.7	1.4	130.8	297	37.0	1.3	124.9
Poland, Podkarpackie	228	31.1	18.9	87.3	229	23.1	21.4	89.1
Portugal, Azores	43	30.2	9.3	104.7	17	35.3	11.8	147.1
Russian Federation, Saint Petersburg	673	31.9	0.0	121.8	545	25.0	0.0	127.9
*Serbia, Central	1265	58.7	17.9	120.6	881	60.5	18.3	117.3
Slovakia	1052	58.8	28.4	101.5	619	52.8	31.2	114.2
Slovenia	526	59.3	1.5	93.3	234	53.8	8.5	121.8
Spain, Albacete	124	35.5	5.6	91.9	63	27.0	9.5	96.8
Spain, Asturias	548	56.4	8.4	91.6	199	48.2	12.6	108.0
Spain, Basque Country	1198	39.6	3.9	64.5	405	30.9	9.9	91.1
Spain, Canary Islands	408	48.3	5.1	90.0	154	33.1	7.8	114.3
Spain, Ciudad Real	132	52.3	5.3	101.5	68	42.6	5.9	120.6
Spain, Cuenca	62	45.2	12.9	98.4	29	34.5	13.8	117.2
Spain, Girona	296	42.9	7.8	67.2	105	37.1	20.0	93.3
*Spain, Granada	254	33.1		117.3	116	25.0		146.6
Spain, La Rioja	140	35.0	2.1	88.6	56	23.2	7.1	92.9
Spain, Mallorca	281	43.8	3.6	112.1	114	35.1	6.1	130.1
Spain, Murcia	368	60.9	8.7	85.3	165	52.7	8.5	84.8
Spain, Navarra	217	53.0	3.2	83.4	89	53.9	5.6	109.0
Spain, Tarragona	269	49.8	6.7	68.0	109	40.4	10.1	90.8
*Sweden	1465	95.0		127.0	859	94.5		144.9
Switzerland, Basel	114	87.7	11.4	97.4	28	75.0	21.4	128.6
Switzerland, Geneva	214	47.7	1.9	75.2	66	42.4	1.5	69.7
Switzerland, Graubünden and Glarus	71	60.6	1.4	67.6	22	50.0	9.1	104.5
Switzerland, Neuchâtel	76	43.4	2.6	103.9	17	41.2	11.8	164.7
Switzerland, St Gall–Appenzell	132	65.9	0.8	75.8	48	77.1	0.0	114.6
Switzerland, Ticino	205	46.8	2.9	84.9	64	39.1	9.4	90.6
Switzerland, Valais	178	45.5	2.2	81.5	32	59.4	6.2	109.4
Switzerland, Vaud	293	61.1	5.5	73.7	85	62.4	7.1	97.6
Switzerland, Zurich	314	67.5	2.5	83.8	161	68.9	2.5	98.8
Ukraine	5117	32.8	5.0	102.5	3706	35.2	4.2	93.8
UK, England	8150	43.5	7.9	85.3	4943	40.6	8.0	93.3
UK, England, East of England Region	735	48.4	5.2	89.3	421	40.6	4.8	110.2
UK, England, North Western	1250	38.2	4.2	79.6	863	37.2	2.2	81.7
UK, England, Northern and Yorkshire	1158	42.1	2.8	87.7	738	36.7	1.4	93.2
UK, England, Oxford Region	360	50.6	6.7	87.2	230	42.2	6.1	91.7
UK, England, South and Western Regions	1213	43.1	6.2	83.1	678	40.0	6.6	91.4
UK, England, Thames	1812	45.8	9.2	90.8	995	47.2	10.7	99.4
UK, England, Trent	508	49.2	5.3	68.5	313	47.9	6.7	87.5
UK, England, West Midlands	857	37.3	23.7	88.0	514	34.0	27.4	97.3
UK, Northern Ireland	219	45.2	3.2	96.8	120	43.3	5.0	151.7
UK, Scotland	1120	42.3	1.9	90.4	607	39.7	1.0	105.1
UK, Wales	535	49.9	9.5	83.2	361	48.8	6.9	95.6
<b>Oceania</b>								
Australian Capital Territory	44	54.5	2.3	95.5	17	29.4	0.0	135.3
Australia, New South Wales	1379	56.0	3.4	80.9	634	53.3	5.0	99.7
Australia, Northern Territory	24	54.2	0.0	104.2	10	50.0	10.0	110.0
Australia, Northern Territory: Indigenous	9	44.4	0.0	122.2	6	33.3	16.7	83.3
Australia, Northern Territory: Non-Indigenous	15	60.0	0.0	86.7	4	75.0	0.0	150.0
Australia, Queensland	638	41.4	2.2	70.2	254	48.8	3.1	72.4
South Australia	299	47.5	0.0	90.3	121	46.3	0.0	115.7
Australia, Tasmania	69	50.7	0.0	98.6	35	34.3	0.0	151.4
Australia, Victoria	1051	50.5	4.5	83.4	439	46.7	6.2	100.9
Western Australia	336	52.7	0.3	83.0	127	51.2	0.8	113.4
New Zealand	738	48.2	9.9	79.7	328	42.7	11.3	86.9
New Zealand: Maori	165	46.1	10.3	71.5	52	50.0	5.8	63.5
New Zealand: Pacific Islander	87	42.5	11.5	85.1	28	42.9	14.3	82.1
New Zealand: Other	486	50.0	9.5	81.5	248	41.1	12.1	92.3
USA, Hawaii	484	72.3	4.3	68.4	226	73.0	7.1	81.9
*USA, Hawaii: Chinese	42	76.2	2.4		23	73.9	8.7	
*USA, Hawaii: Filipino	64	78.1	6.2		26	73.1	3.8	
*USA, Hawaii: Hawaiian	82	65.9	3.7		33	75.8	6.1	
*USA, Hawaii: Japanese	112	75.0	6.2		83	74.7	6.0	
*USA, Hawaii: White	110	68.2	3.6		27	70.4	11.1	

\*Important. See note on population page.