

**Injuries in the Accommodation and Food
Services Sub-sector
in Manitoba 2000-2007**

September 2008

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Executive Summary

This report presents injury data on accommodation and food services sub-sector workers for the period 2000 to 2007.

Some important findings include:

- A time loss injury rate of 2.1 time loss injuries in 2007, this sector remaining consistently below the time loss injury rate for all MB workers since 2000.
- A reduction in the time loss injury rate of 22% since 2000, compared to a 25% reduction in the Manitoba time loss rate.
- Injuries in the accommodation and food services sub-sector decreased by 22% in injuries between 2000 and 2007, a 13% decrease in time loss and a 29% decrease in no time loss injuries. All industries in Manitoba have seen a 12% decline in injuries over the same period.
- Distinctive to this sector is the fact that young workers, 15 to 24 years old, incur 45% of the injuries, compared to 17% in all sectors.
- Injured workers in this sub-sector are younger. The median age of injured workers is 26 years (compared to 38 years for all MB workers). Almost one in five (18%) of injured workers are 45+, (compared to one-third overall). Injuries for accommodation and food services workers 45-54 declined 6% from 2000 to 2007 while injuries to workers 55+ increased 62%.
- In accommodation and food services, 22% of time loss injuries are injuries to the fingers with an additional 18% of injuries to the back including spine and spinal cord and another 15% to hands/wrists, except fingers.
- Almost 36% of injuries are sprains, strains and tears, a lower percentage than the percentage for all Manitoba workers (53%). Open wounds accounted for another 23% of the time loss injuries to workers.
- While 20% of time loss injuries have structures and surfaces as the source of injuries to accommodation and food services workers, bodily motion or position of the worker account for 19% of the injuries. Containers accounted for another 16% and non-powered hand tools also contributed to 12% of the injuries to workers in this sub-sector.

- Almost 20% of accommodation and food services time loss injuries have been struck by objects as the cause of injury, compared to 14% for all Manitoba workers.
- 40% of accommodation and food services time loss injuries were musculoskeletal in 2007, compared to 62% for all workers. The rate of musculoskeletal injury in accommodation and food services has decreased by 16% since 2000, compared to a drop of 18% in the non-musculoskeletal injury rate.
- Cooks, food counter attendants and kitchen helpers, food and beverage servers, light duty cleaners, restaurant and food service managers, food service supervisors and janitors and caretakers incur about 75% of injuries in this service sub-sector

Summary of Findings: Injured Worker Characteristics

Category	Accommodation and Food Services sub-sector
Time Loss Injury Rate 2007	<ul style="list-style-type: none"> 2.1 time loss injuries per 100 FTE workers in 2007
All Injury Rate 2007	<ul style="list-style-type: none"> 4.5 injuries per 100 FTE workers in 2007
Injuries	<ul style="list-style-type: none"> Time loss 44%; No Time Loss 56% 13% decrease in time loss and 29% decrease in No Time Loss injuries since 2000.
Gender 2007	<ul style="list-style-type: none"> Female 55%; Male 45%
Age 2007	<ul style="list-style-type: none"> Almost half (45%) of injured workers are 15 to 24 years old Median age is 26 years
Stickman (All Injuries)	<ol style="list-style-type: none"> Hands and fingers (44%) Multiple parts (13%) Lower arm (9%) Lower back (8%) Lower leg (7%)
Body Part (Time Loss)	<ol style="list-style-type: none"> Fingers (22%) Back, including spine and spinal cord (18%) Hans/wrists, except fingers (15%) Multiple body parts (10%) Other upper extremities (8%)
Nature (Time Loss)	<ol style="list-style-type: none"> Sprains, Strains and Tears (36%) Open wounds (23%) Burns (13%) Surface wounds, bruises (9%) Other traumatic injuries and disorders fractures and dislocations (7%)
Source (Time Loss)	<ol style="list-style-type: none"> Structures and surfaces (20%) Bodily Motion or position of worker (19%) Containers (16%) Hand tools - non-powered (12%) Machinery (8%)
Event (Time Loss)	<ol style="list-style-type: none"> Struck By Objects (20%) Fall on same level (16%) Bodily Reaction (15%) Exposure to harmful substances (15%) Overexertion (12%)

Category	Accommodation and Food Services sub-sector
Musculoskeletal Injuries (Time Loss)	<ul style="list-style-type: none"> • 40% are MSIs in 2007 • MSI Injury Rate is 0.9 time loss per 100 FTEs in 2007 • Non MSI rate is 1.3 per 100 FTEs in 2007 • Non-MSI rate has declined 18% since 2000, compared to a 16% decline in MSI rate.
Occupation (Time Loss)	<ol style="list-style-type: none"> 1. Cooks (27%) 2. Food counter attendants, kitchen helpers, and related occupations (17%) 3. Food and beverage servers (12%) 4. Light duty cleaners (8%) 5. Restaurants and food service managers (4%) 6. Food service supervisors (3%) 7. Janitors and caretakers and building superintendents (3%) 8. Bartenders (2%) 9. Bakers (2%) 10. Cashiers (2%)

Injury Rates in Accommodation and Food Services

Figure 1 Accommodation and Food Services Time Loss and All Injury Rates

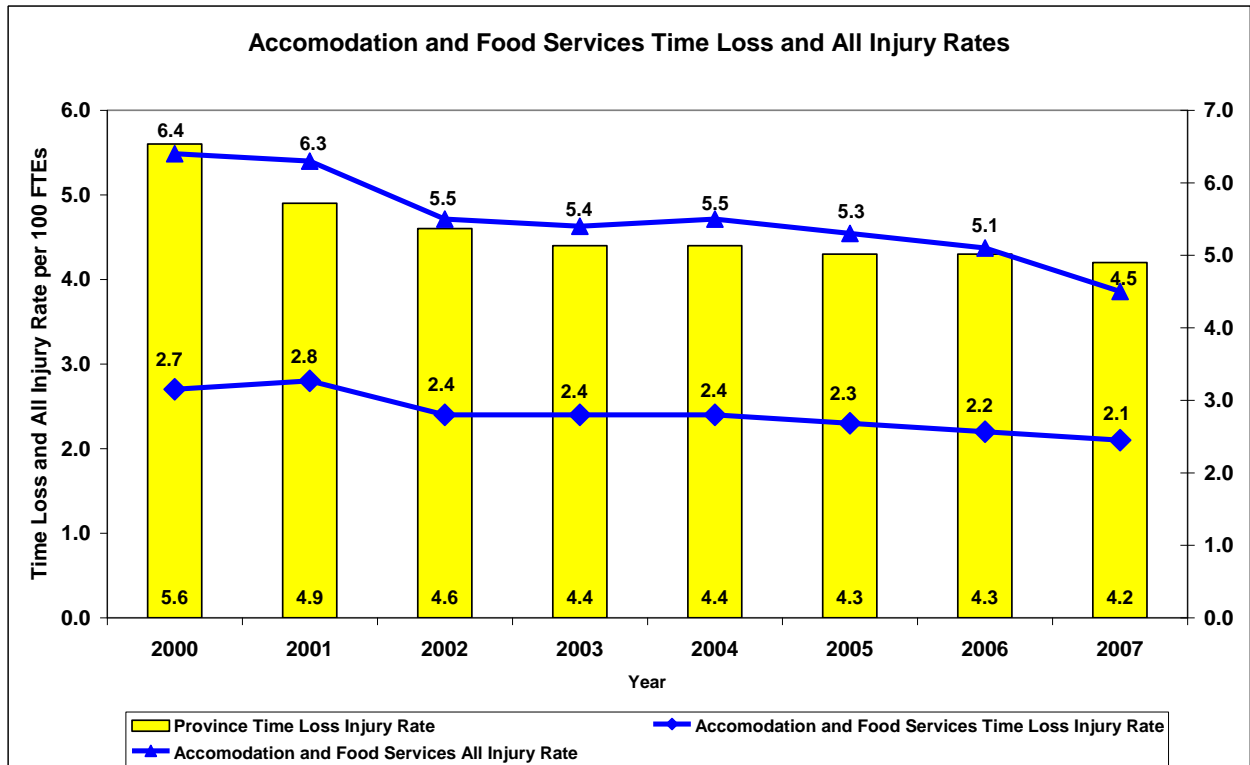
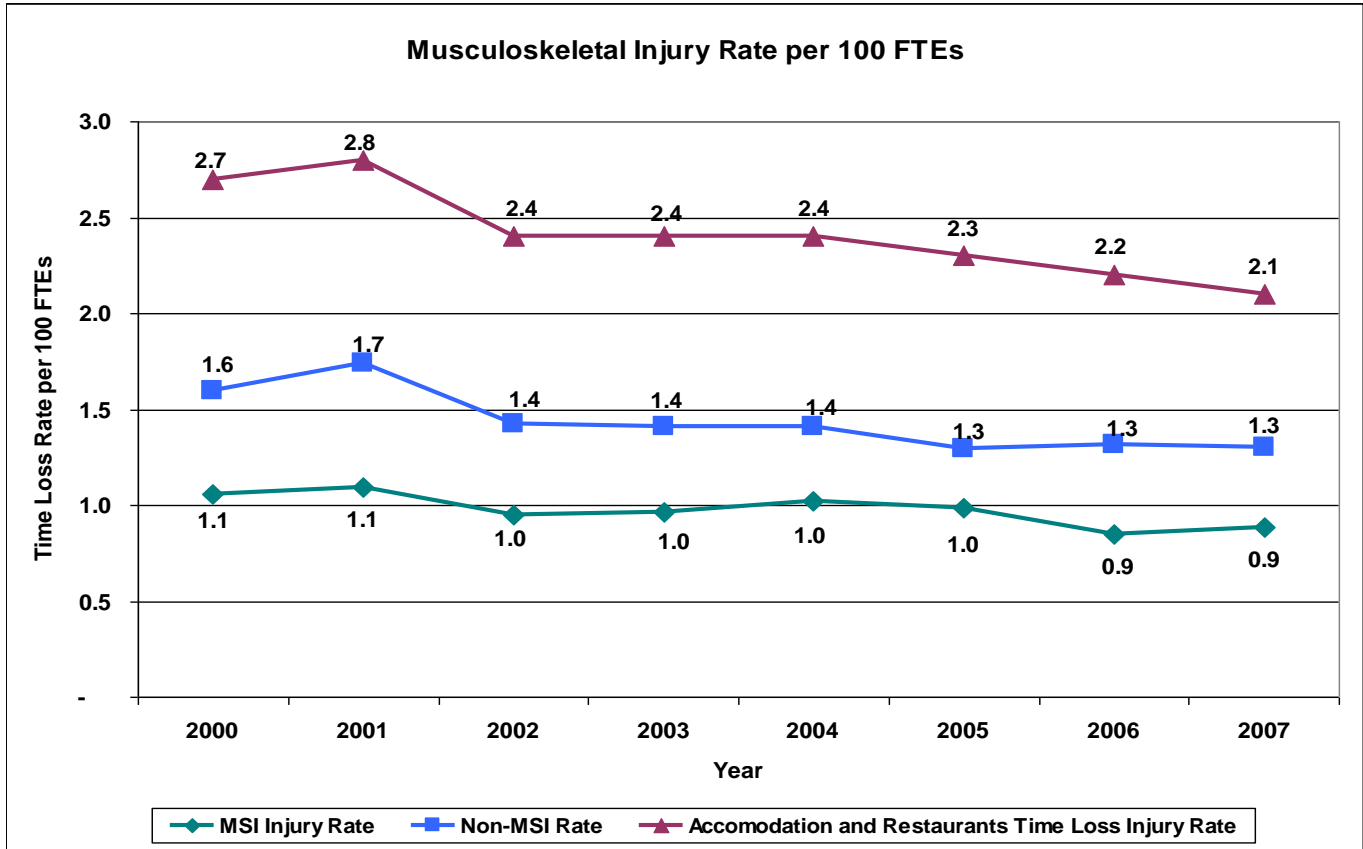


Figure 2 Musculoskeletal Injury Rate per 100 FTE Workers



Characteristics of Injured Workers

Table 1 Type of Injury 2000 to 2007 - Accommodation and Food Services

Type of Injury	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Time Loss	814	841	706	709	725	680	703	709	5,887	43.7%	-12.9%
No Time Loss	1154	1022	926	897	920	900	936	819	7,574	56.3%	-29.0%
Total	1,968	1,863	1,632	1,606	1,645	1,580	1,639	1,528	13,461	100%	-22.4%

Table 2 Gender of Injured Workers 2000 to 2007 - Accommodation and Food Services

Gender	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Female	1053	989	886	875	888	869	913	836	7,309	54.3%	-20.6%
Male	879	854	733	724	739	703	719	684	6,035	44.8%	-22.2%
Missing	36	20	13	7	18	8	7	8	117	0.9%	-77.8%
Total	1,968	1,863	1,632	1,606	1,645	1,580	1,639	1,528	13,461	100.0%	-22.4%



Table 3 Age of Injured Workers 2000 to 2007 - Accommodation and Food Services

Age group	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
15-24	884	820	741	720	724	713	712	665	5,979	45.3%	-24.87%
25-34	398	385	337	336	329	325	332	286	2,728	20.6%	-28.1%
35-44	349	299	274	276	266	240	246	243	2,193	16.6%	-30.47%
45-54	201	222	181	174	212	178	213	190	1,571	11.9%	-5.57%
55+	65	100	69	86	94	110	111	105	740	5.6%	61.5%
Total¹	1,897	1,826	1,602	1,592	1,625	1,566	1,614	1,489	13,211	100.0%	-21.5%

¹ Total may not add due to missing ages for some injured workers.

Table 4 - Part of Body Inured - All Injuries (Stickman Codes) 2000 to 2007 - Accommodation and Food Services

Part of Body Injured - All Injuries	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Hand / fingers	856	841	760	691	724	707	748	651	5,978	44.4%	-23.9%
Multiple	262	238	206	219	212	195	209	243	1,784	13.3%	-7.2%
Lower arm	195	176	142	161	147	155	148	135	1,259	9.4%	-30.8%
Low back	189	184	142	139	127	130	123	116	1,150	8.5%	-38.6%
Lower leg	131	116	104	107	138	124	116	113	949	7.0%	-13.7%
Eyes	57	51	40	44	58	44	53	43	390	2.9%	-24.6%
Foot / toes	65	47	42	43	41	42	59	41	380	2.8%	-36.9%
Other	52	60	38	42	35	44	50	44	365	2.7%	-15.48%
Shoulder	44	41	33	36	52	42	33	32	313	2.3%	-27.3%
Head	27	33	36	29	26	29	26	33	239	1.8%	22.2%
Ribs / chest	31	26	23	35	34	23	26	30	228	1.7%	-3.2%
Abdomen	12	7	16	15	15	11	5	11	92	0.7%	-8.3%
Cardio / respiratory	8	7	15	6	5	5	8	10	64	0.5%	25.0%
Upper leg	8	8	3	6	9	6	8	8	56	0.4%	0.0%
Neck	8	10	8	9	7	3	5	3	53	0.4%	-62.5%
Upper arm	5	4	10	7	6	5	6	4	47	0.3%	-20.0%
Upper back	10	4	7	6	2	6	7	4	46	0.3%	-60.0%
Pelvis	4	6	5	6	5	7	5	5	43	0.3%	25.0%
Industrial diseases	2	4	0	3	1	0	2	1	13	0.3%	-50.0%
Missing/Not Coded	1	0	2	2	1	0	0	0	6	0.1%	n/a
Hearing	1	0	0	0	0	2	2	1	6	0.0%	0.0%
Total	1,968	1,863	1,632	1,606	1,645	1,580	1,639	1,528	13,461	100.0%	-22.4%

Table 5 Part of Body Injured 2000 to 2007 (Time Loss) - Accommodation and Food Services

Part of Body - Time Loss	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Fingers	163	185	156	151	143	159	172	152	1,281	21.8%	-6.7%
Back including spine & spinal cord	146	160	133	138	128	129	116	122	1,072	18.2%	-16.4%
Hands / wrists except fingers	123	125	91	91	123	109	115	108	885	15.0%	-12.2%
Multiple body parts	105	107	74	76	57	51	70	69	609	10.3%	-34.3%
Other upper extremities	64	60	70	68	69	53	51	66	501	8.5%	3.1%
Other trunk	65	60	49	64	58	52	40	58	446	7.6%	-10.8%
Legs	37	48	54	42	58	43	48	41	371	6.3%	10.8%
Ankles / foot (not toes)	56	47	32	45	47	35	49	43	354	6.0%	-23.2%
Other head	11	17	22	10	12	16	11	16	115	2.0%	45.4%
Other lower extremities	15	6	8	9	10	13	18	12	91	1.5%	-20.0%
Eyes	7	6	4	4	11	10	7	10	59	1.0%	42.9%
Body systems	8	12	8	4	3	6	5	9	55	0.9%	12.5%
Neck	4	4	2	6	3	4	1	3	27	0.5%	-25.0%
Unknown/Not coded	10	4	2	1	3	0	0	0	20	0.3%	n/a
Other	0	0	1	0	0	0	0	0	1	0.0%	n/a
Total	814	841	706	709	725	680	703	709	5,887	100.0%	-12.9%

Table 6 Nature of Injury 2000 to 2007 (Time Loss) - Accommodation and Food Services

Nature of Injury - Time Loss	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Sprains, Strains, Tears	264	280	263	261	273	269	251	270	2,131	36.2%	2.3%
Open Wounds	177	189	159	153	153	161	178	171	1,341	22.8%	-3.4%
Burns	102	110	94	86	109	90	95	102	788	13.4%	0.0%
Surface Wounds, Bruises	77	70	60	76	84	74	59	62	562	9.5%	-19.5%
Other Traumatic Injuries and Disorders	90	94	65	44	32	23	27	35	410	7.0%	-61.1%
Fractures, Dislocations	36	34	30	37	37	29	48	34	285	4.8%	-5.6%
Systemic Diseases and Disorders	49	48	25	36	28	27	29	25	267	4.5%	-49.0%
Nature of Disease Unknown	0	0	5	5	0	0	14	5	29	0.5%	n/a
Other Diseases, Conditions and Disorders	6	9	2	1	1	4	2	3	28	0.5%	-50.0%
Unknown/Not Coded	10	4	1	1	3	0	0	0	19	0.3%	n/a
Symptoms, Signs, Ill-Defined Conditions	3	3	1	2	1	3	0	2	15	0.3%	-33.3%
Multiple Diseases, Conditions and Disorders	0	0	1	7	4	0	0	0	12	0.2%	n/a
Total	814	841	706	709	725	680	703	709	5,887	100.0%	-12.9%

Table 7 Source of Injury 2000 to 2007 (Time Loss) - Accommodation and Food Services

Source of Injury - Time Loss	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Structures and surfaces	150	157	125	132	158	136	155	142	1,155	19.6%	-5.3%
Bodily motion or position of worker	146	213	156	148	112	113	112	105	1,105	18.8%	-28.1%
Containers	153	124	99	109	126	122	129	109	971	16.5%	-28.8%
Hand tools - non-powered	86	107	89	76	71	83	90	102	704	12.0%	18.6%
Machinery	71	49	45	57	78	63	61	64	488	8.3%	-9.9%
Other persons, plants, animals and minerals	40	52	37	47	55	46	46	41	364	6.2%	2.5%
Other sources	36	38	53	35	37	35	31	43	308	5.2%	19.4%
Furniture and fixtures	42	28	32	47	33	33	24	41	280	4.8%	-2.4%
Parts and materials	24	23	23	14	17	18	12	19	150	2.5%	-20.8%
Persons - other than injured worker	14	11	17	11	7	12	8	11	91	1.5%	-21.4%
Vehicles	20	10	9	10	10	9	12	7	87	1.5%	-65.0%
Chemicals and chemical products	10	11	7	14	10	6	9	11	78	1.3%	10.0%
Unknown/Not coded	14	14	9	3	3	0	4	3	50	0.8%	-78.6%
Other tools and machinery	4	3	5	4	6	3	10	9	44	0.7%	125.0%
Hand tools - powered	4	1	0	2	1	1	0	1	10	0.2%	-75.0%
Minerals - metallic or non-metallic (except fuel)	0	0	0	0	1	0	0	1	2	0.0%	n/a
Total	814	841	706	709	725	680	703	709	5,887	100.0%	-12.9%

Table 8 Event Causing Injury 2000 to 2007 (Time Loss) - Accommodation and Food Services

Event Causing Injury - Time Loss	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Struck by objects	151	165	151	130	123	144	140	147	1,151	19.6%	-2.6%
Fall on same level	117	129	97	105	130	111	115	121	925	15.7%	3.4%
Bodily reaction	112	163	141	125	97	92	78	86	894	15.2%	-23.2%
Exposure to harmful substances	111	126	105	98	112	98	108	114	872	14.8%	2.7%
Overexertion	133	95	75	88	78	90	82	73	714	12.1%	-45.1%
Struck against objects	86	69	67	82	96	74	88	89	651	11.1%	3.5%
Repetitive motion	31	41	16	22	22	24	37	29	222	3.8%	-6.5%
Fall to lower level	23	20	23	19	25	14	27	13	164	2.8%	-43.5%
Caught in objects	17	13	10	25	24	13	18	24	144	2.4%	41.2%
Assaults and violent acts by person	14	10	16	11	4	10	7	11	83	1.4%	-21.4%
Rubbed or abraded	3	4	1	2	8	7	1	0	26	0.4%	n/a
Unknown/Not coded	11	5	2	1	3	0	1	0	23	0.4%	n/a
Transportation accidents	5	1	2	1	2	3	1	2	17	0.3%	n/a
Fires and explosions	0	0	0	0	1	0	0	0	1	0.0%	n/a
Total	814	841	706	709	725	680	703	709	5,887	100.0%	-12.9%

Table 9 Musculoskeletal Injuries 2000 to 2007 (Time Loss) - Accommodation and Food Services

Musculoskeletal Injuries	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
MSI Claims	325	324	283	288	305	294	276	287	2,382	40.5%	-11.7%
Non MSI Claims	489	517	423	421	420	386	427	422	3,505	59.5%	-13.7%
Total	814	841	706	709	725	680	703	709	5,887	100.0%	-12.9%
% MSIs	39.9%	38.5%	40.1%	40.6%	42.1%	43.2%	39.3%	40.5%	40.5%	40.5%	1.4%
MSI Injury Rate per 100 FTEs	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9			-16.6%
Non-MSI rate per 100 FTEs	1.6	1.7	1.4	1.4	1.4	1.3	1.3	1.3			-18.5%
Accommodation and food services Time loss Injury rate per 100 FTEs	2.7	2.8	2.4	2.4	2.4	2.3	2.2	2.1			-22.2%

Table 10 Top 10 Occupations 2000 to 2007 (Time Loss) - Accommodation and Food Service

Detailed Occupations	2000	2001	2002	2003	2004	2005	2006	2007	Total	% of Total	% Change 2000 to 2007
Cooks	224	233	179	204	173	190	213	198	1,614	27.4%	-11.6%
Food counter attendants, kitchen helpers and related occupations	66	59	54	123	185	161	165	172	985	16.7%	160.6%
Food and beverage servers	141	142	95	60	79	60	74	84	735	12.5%	-40.4%
Light duty cleaners	78	72	52	65	63	46	57	52	485	8.2%	-33.3%
Restaurant and food service managers	26	24	32	19	34	38	27	38	238	4.0%	46.2%
Food service supervisors	21	15	11	37	27	21	25	34	191	3.2%	61.9%
Janitors, caretakers and building superintendents	27	18	20	25	31	21	21	16	179	3.0%	-40.7%
Bartenders	18	23	13	26	13	25	20	11	149	2.5%	-38.9%
Bakers	13	21	7	23	16	20	15	15	130	2.2%	15.4%
Cashiers	11	11	18	18	24	19	13	15	129	2.2%	36.4%
Chefs	5	15	6	7	7	16	8	5	69	1.2%	0.0%
All other occupations	92	112	108	101	70	63	65	69	680	11.6%	-25.0%
Not coded	92	96	111	1	3	0	0	0	303	5.1%	n/a
Total	814	841	706	709	725	680	703	709	5,887	100.0%	-12.9%