

*ohs 99-2*

**annual survey of work injuries & illnesses  
of the  
occupational health system  
of the  
semiconductor industry association**

**1999**

**summary data series**

***ohs***

August 1999

*Semiconductor Industry Association*

**TABLE 1**  
**OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**COMPANY SUMMARY - 1999**

COMPANY CODE	EMPLOYMENT	CASES	CASE RATE	LWDC	LWDCR RATE	LWDS	LWDSR RATE	RWDC	RWDCR RATE	RWDS	RWDSR RATE	OSHALTC	OSHA LWDC RATE	OSHALT	OSHA LWDS RATE
A			3.09		0.74		8.25		1.08		33.33		1.33		41.58
B			1.08		0.50		6.32		0.30		5.29		0.58		11.61
C			2.19		0.50		4.47		0.61		9.58		0.87		14.04
D			5.54		0.69		5.68		2.91		45.98		3.05		51.66
E			2.25		0.48		3.08		0.54		6.11		0.81		9.18
F			1.78		0.52		2.67		0.73		20.04		1.05		22.71
G			1.31		0.70		18.14		0.25		8.05		0.76		26.19
H			4.08		1.54		10.37		0.53		8.60		2.07		18.97
I			1.30		0.21		2.43		0.49		5.46		0.58		7.89
J			2.77		1.19		29.06		0.66		23.78		1.59		52.84
K			0.30		0.06		0.29		0.06		1.32		0.08		1.61
L			1.47		0.00		0.00		0.42		2.53		0.42		2.53
M			4.76		2.27		20.39		1.47		42.24		3.74		62.63
N			4.10		1.42		20.59		2.93		72.13		3.26		92.72
P			6.13		0.72		22.48		1.44		36.66		1.56		59.13
Q			2.69		1.07		14.89		0.31		2.23		1.19		17.11
R			2.89		0.89		12.43		1.55		65.59		2.11		78.02
S			2.38		0.56		8.62		1.36		32.22		1.65		40.84
T			5.11		0.61		1.64		2.08		21.96		2.25		23.60
<b>TOTAL</b>	<b>142,139</b>	<b>2,292</b>	<b>1.613</b>	<b>598</b>	<b>0.421</b>	<b>7,600</b>	<b>5.347</b>	<b>736</b>	<b>0.518</b>	<b>13,716</b>	<b>9.650</b>	<b>1,082</b>	<b>0.761</b>	<b>21,316</b>	<b>14.997</b>

**STATISTICS:**

Mean Rate	2.91	0.73	9.59	0.99	22.15	1.45	31.74
S.D.	1.64	0.56	8.65	0.86	21.60	1.04	26.86
25% Percentile	1.47	0.49	2.55	0.36	5.37	0.67	10.39
Median	2.69	0.65	7.28	0.63	14.81	1.26	23.15
75% Percentile	4.10	0.98	16.51	1.45	34.99	2.09	52.25

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
<b>LWDS</b>	Number of lost workdays (away from work)
<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
<b>RWDC</b>	Number of cases with restricted workdays
<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 2**  
**OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITY SUMMARY - 1999**

<u>FACILITY</u>	<u>EMPLOYMENT</u>	<u>CASES</u>	<u>CASE RATE</u>	<u>LWDC</u>	<u>LWDCR RATE</u>	<u>LWDS</u>	<u>LWDSR RATE</u>	<u>RWDC</u>	<u>RWDCR RATE</u>	<u>RWDS</u>	<u>RWDSR RATE</u>	<u>OSHALTC</u>	<u>OSHA LWDC RATE</u>	<u>OSHALT</u>	<u>OSHA LWDS RATE</u>
1046			3.933		1.66		13.84		0.45		11.20		2.12		25.04
1131			1.256		0.00		0.00		0.42		5.28		0.42		5.28
1181			2.285		1.58		32.60		0.97		31.46		1.85		64.06
1376			2.739		0.53		3.79		0.70		7.39		0.95		11.18
1455			2.055		1.37		4.11		0.00		0.00		1.37		4.11
1862			2.174		0.00		0.00		0.00		0.00		0.00		0.00
1926			0.314		0.00		0.00		0.00		0.00		0.00		0.00
2078			0.252		0.04		0.04		0.00		0.00		0.04		0.04
2082			1.474		0.00		0.00		0.42		2.53		0.42		2.53
2113			0.205		0.15		1.18		0.05		3.95		0.15		5.13
2418			2.852		1.68		31.21		0.00		0.00		1.68		31.21
2426			0.210		0.12		5.35		0.06		1.11		0.12		6.46
2546			0.566		0.23		0.34		0.00		0.00		0.23		0.34
2695			0.354		0.09		0.19		0.12		3.20		0.16		3.39
2827			2.097		0.16		1.78		1.41		35.71		1.47		37.50
2840			5.540		0.69		5.68		2.91		45.98		3.05		51.66
2909			1.611		0.32		1.61		1.18		13.05		1.29		14.66
2971			2.003		0.59		9.84		0.79		9.94		1.10		19.77
3034			1.291		0.49		2.56		0.33		4.93		0.63		7.49
3061			2.774		1.19		29.06		0.66		23.78		1.59		52.84
3578			2.949		0.65		11.61		1.29		37.33		1.29		48.94
3708			0.000		0.00		0.00		0.00		0.00		0.00		0.00
3728			0.800		0.27		0.67		0.40		13.07		0.53		13.73
3773			0.145		0.14		12.61		0.14		0.72		0.14		13.33
3786			0.494		0.07		0.35		0.07		0.42		0.07		0.78
3794			1.992		0.40		0.40		0.40		3.98		0.80		4.38
3822			4.100		1.42		20.59		2.93		72.13		3.26		92.72
3835			2.886		0.89		12.43		1.55		65.59		2.11		78.02
3882			6.130		0.72		22.48		1.44		36.66		1.56		59.13
3965			1.069		0.39		3.63		0.25		4.50		0.48		8.13
4048			1.372		0.21		3.53		0.29		4.62		0.42		8.15
4062			0.225		0.04		0.53		0.05		1.17		0.06		1.71
4329			4.204		1.11		8.85		1.33		31.64		1.99		40.49
4341			2.880		0.96		10.56		1.13		46.42		1.48		56.98
4533			4.261		1.99		132.53		1.56		86.93		2.56		219.46
4715			3.543		0.39		0.39		0.00		0.00		0.39		0.39
5011			1.371		0.20		0.69		0.39		6.80		0.39		7.49
5181			1.108		0.69		10.84		0.40		6.63		0.75		17.47
5321			2.623		1.46		28.27		0.38		9.13		1.50		37.40
5538			2.345		0.56		2.06		1.31		55.91		1.50		57.97
5578			5.112		0.61		1.64		2.08		21.96		2.25		23.60
5807			1.268		0.15		2.92		0.29		2.89		0.38		5.81
6132			2.986		0.92		5.50		1.22		19.27		1.70		24.77
6187			0.824		0.22		0.37		0.37		2.92		0.37		3.30
6189			2.532		1.27		14.82		0.45		3.72		1.34		18.54
6295			0.393		0.03		0.24		0.05		0.68		0.05		0.92

Table 2 (Continued)

FACILITY			CASE		LWDCR		LWDSR		RWDCR		RWDSR		OSHA		OSHA
CODE	EMPLOYMENT	CASES	RATE	LWDC	RATE	LWDS	RATE	RWDC	RATE	RWDS	RATE	OSHALTC	RATE	OSHALT	RATE
6319			3.367		0.00		0.00		0.00		0.00		0.00		0.00
6460			3.158		0.18		0.53		0.35		1.40		0.53		1.93
6732			3.361		1.68		16.81		1.12		22.97		1.96		39.78
6753			1.935		1.29		9.68		0.00		0.00		1.29		9.68
7116			4.145		0.00		0.00		1.55		40.41		1.55		40.41
7177			2.041		0.68		1.36		0.68		5.44		0.68		6.80
7250			4.342		1.32		4.34		0.66		4.08		1.97		8.42
7319			0.326		0.10		0.15		0.08		1.47		0.11		1.63
7950			4.441		0.81		4.37		1.18		26.28		1.55		30.64
8046			0.865		0.29		4.97		0.22		0.87		0.50		5.84
8049			0.356		0.02		0.69		0.00		0.00		0.02		0.69
8122			0.870		0.17		0.35		0.17		3.74		0.26		4.09
8232			1.459		0.81		1.62		0.32		2.92		0.97		4.54
8679			0.618		0.26		3.71		0.09		2.29		0.26		6.00
8873			1.419		0.39		1.85		0.26		3.91		0.56		5.76
8903			4.757		2.27		20.39		1.47		42.24		3.74		62.63
9106			2.764		1.01		5.03		1.01		5.28		2.01		10.30
9279			0.136		0.14		0.34		0.07		0.34		0.14		0.68
9476			3.959		0.59		1.61		2.05		24.05		2.20		25.66
9524			0.000		0.00		0.00		0.00		0.00		0.00		0.00
9618			0.000		0.00		0.00		0.00		0.00		0.00		0.00
<b>TOTAL</b>	<b>142,139</b>	<b>2,292</b>	<b>1.613</b>	<b>598</b>	<b>0.421</b>	<b>7,600</b>	<b>5.347</b>	<b>736</b>	<b>0.518</b>	<b>13,716</b>	<b>9.650</b>	<b>1,082</b>	<b>0.761</b>	<b>21,316</b>	<b>14.997</b>

**STATISTICS:**

Mean Rate	2.06	0.58	7.90	0.61	13.77	0.99	21.67
S.D.	1.56	0.58	17.55	0.70	19.65	0.90	33.04
25% Percentile	0.62	0.12	0.35	0.05	0.72	0.16	2.53
Median	1.99	0.39	2.06	0.37	4.08	0.68	8.13
75% Percentile	2.99	0.92	9.84	1.13	22.97	1.50	31.21

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- CASES** Number of OSHA recordable cases
  - CASE RATE** Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
  - LWDC** Number of cases with days away from work
  - LWDCR** Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
  - LWDS** Number of lost workdays (away from work)
  - LWDSR** Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
  - RWDC** Number of cases with restricted workdays
  - RWDCR** Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
  - RWDS** Number of restricted workdays.
  - RWDSR** Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
  - OSHALTC** Number of cases with days away from work OR restricted workdays OR both
  - OSHA LWDC RATE** Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
  - OSHALT** Number of lost workdays (away from work) AND restricted workdays
  - OSHA LWDS RATE** Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 3**  
**OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITIES LESS THAN 500 EMPLOYEES - 1999**

FACILITY			CASE		LWDCR		LWDSR		RWDCR		RWDSR		OSHA		OSHA
CODE	EMPLOYMENT	CASES	RATE	LWDC	RATE	LWDS	RATE	RWDC	RATE	RWDS	RATE	OSHALTC	LWDC	OSHALT	LWDS
4329			4.204		1.11		8.85		1.33		31.64		1.99		40.49
7177			2.041		0.68		1.36		0.68		5.44		0.68		6.80
4715			3.543		0.39		0.39		0.00		0.00		0.39		0.39
7116			4.145		0.00		0.00		1.55		40.41		1.55		40.41
3794			1.992		0.40		0.40		0.40		3.98		0.80		4.38
1862			2.174		0.00		0.00		0.00		0.00		0.00		0.00
3708			0.000		0.00		0.00		0.00		0.00		0.00		0.00
9618			0.000		0.00		0.00		0.00		0.00		0.00		0.00
1926			0.314		0.00		0.00		0.00		0.00		0.00		0.00
9106			2.764		1.01		5.03		1.01		5.28		2.01		10.30
6732			3.361		1.68		16.81		1.12		22.97		1.96		39.78
1455			2.055		1.37		4.11		0.00		0.00		1.37		4.11
6753			1.935		1.29		9.68		0.00		0.00		1.29		9.68
2082			1.474		0.00		0.00		0.42		2.53		0.42		2.53
<b>TOTAL</b>	<b>3,243</b>	<b>82</b>	<b>2.529</b>	<b>22</b>	<b>0.678</b>	<b>145</b>	<b>4.471</b>	<b>21</b>	<b>0.648</b>	<b>354</b>	<b>10.916</b>	<b>37</b>	<b>1.141</b>	<b>499</b>	<b>15.387</b>

**STATISTICS:**

Mean Rate	2.14	0.57	3.33	0.46	8.02	0.89	11.35
S.D.	1.39	0.61	5.14	0.57	13.42	0.79	16.03
25% Percentile	1.47	0.00	0.00	0.00	0.00	0.00	0.00
Median	2.05	0.40	0.40	0.20	1.26	0.74	4.25
75% Percentile	3.36	1.11	5.02	1.00	5.44	1.55	10.30

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
<b>LWDS</b>	Number of lost workdays (away from work)
<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
<b>RWDC</b>	Number of cases with restricted workdays
<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 4**  
**OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITIES with 500 - 999 EMPLOYEES - 1999**

FACILITY			CASE		LWDCR		LWDSR		RWDCR		RWDSR		OSHA		OSHA
CODE	EMPLOYMENT	CASES	RATE	LWDC	RATE	LWDS	RATE	RWDC	RATE	RWDS	RATE	OSHALTC	RATE	OSHALT	RATE
7250			4.342		1.32		4.34		0.66		4.08		1.97		8.42
8903			4.757		2.27		20.39		1.47		42.24		3.74		62.63
6460			3.158		0.18		0.53		0.35		1.40		0.53		1.93
2418			2.852		1.68		31.21		0.00		0.00		1.68		31.21
3835			2.886		0.89		12.43		1.55		65.59		2.11		78.02
3882			6.130		0.72		22.48		1.44		36.66		1.56		59.13
8232			1.459		0.81		1.62		0.32		2.92		0.97		4.54
3728			0.800		0.27		0.67		0.40		13.07		0.53		13.73
9476			3.959		0.59		1.61		2.05		24.05		2.20		25.66
3061			2.774		1.19		29.06		0.66		23.78		1.59		52.84
2840			5.540		0.69		5.68		2.91		45.98		3.05		51.66
3773			0.145		0.14		12.61		0.14		0.72		0.14		13.33
2546			0.566		0.23		0.34		0.00		0.00		0.23		0.34
4533			4.261		1.99		132.53		1.56		86.93		2.56		219.46
<b>TOTAL</b>	<b>10,347</b>	<b>326</b>	<b>3.151</b>	<b>97</b>	<b>0.937</b>	<b>2,011</b>	<b>19.436</b>	<b>103</b>	<b>0.995</b>	<b>2,717</b>	<b>26.259</b>	<b>173</b>	<b>1.672</b>	<b>4,728</b>	<b>45.694</b>

**STATISTICS:**

Mean Rate	3.12	0.92	19.68	0.92	24.82	1.63	44.49
S.D.	1.86	0.68	34.25	0.91	27.49	1.07	56.51
25% Percentile	1.46	0.27	1.61	0.14	1.40	0.53	8.42
Median	3.02	0.77	9.05	0.53	18.42	1.63	28.43
75% Percentile	4.34	1.32	22.48	1.55	42.24	2.20	59.13

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
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<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
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<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 5  
OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITIES with 1,000 - 2,499 EMPLOYEES - 1999**

FACILITY CODE	EMPLOYMENT	CASES	CASE RATE	LWDC	LWDCR RATE	LWDS	LWDSR RATE	RWDC	RWDCR RATE	RWDS	RWDSR RATE	OSHALTC	OSHA LWDC RATE	OSHALT	OSHA LWDS RATE
1046			3.933		1.66		13.84		0.45		11.20		2.12		25.04
4341			2.880		0.96		10.56		1.13		46.42		1.48		56.98
3578			2.949		0.65		11.61		1.29		37.33		1.29		48.94
8873			1.419		0.39		1.85		0.26		3.91		0.56		5.76
3822			4.100		1.42		20.59		2.93		72.13		3.26		92.72
6189			2.532		1.27		14.82		0.45		3.72		1.34		18.54
3786			0.494		0.07		0.35		0.07		0.42		0.07		0.78
2078			0.252		0.04		0.04		0.00		0.00		0.04		0.04
9279			0.136		0.14		0.34		0.07		0.34		0.14		0.68
1131			1.256		0.00		0.00		0.42		5.28		0.42		5.28
5538			2.345		0.56		2.06		1.31		55.91		1.50		57.97
4048			1.372		0.21		3.53		0.29		4.62		0.42		8.15
2909			1.611		0.32		1.61		1.18		13.05		1.29		14.66
6187			0.824		0.22		0.37		0.37		2.92		0.37		3.30
6319			3.367		0.00		0.00		0.00		0.00		0.00		0.00
5011			1.371		0.20		0.69		0.39		6.80		0.39		7.49
7950			4.441		0.81		4.37		1.18		26.28		1.55		30.64
8122			0.870		0.17		0.35		0.17		3.74		0.26		4.09
1181			2.285		1.58		32.60		0.97		31.46		1.85		64.06
8679			0.618		0.26		3.71		0.09		2.29		0.26		6.00
2113			0.205		0.15		1.18		0.05		3.95		0.15		5.13
8046			0.865		0.29		4.97		0.22		0.87		0.50		5.84
<b>TOTAL</b>	<b>33,868</b>	<b>582</b>	<b>1.718</b>	<b>152</b>	<b>0.449</b>	<b>1,653</b>	<b>4.881</b>	<b>177</b>	<b>0.523</b>	<b>4,161</b>	<b>12.286</b>	<b>259</b>	<b>0.765</b>	<b>5,814</b>	<b>17.167</b>

**STATISTICS:**

Mean Rate	1.82	0.52	5.88	0.60	15.12	0.88	21.00
S.D.	1.33	0.53	8.35	0.69	20.69	0.85	26.21
25% Percentile	0.82	0.15	0.35	0.09	2.29	0.26	4.09
Median	1.40	0.28	1.96	0.38	4.28	0.46	6.74
75% Percentile	2.88	0.81	10.56	1.13	26.28	1.48	30.64

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
<b>LWDS</b>	Number of lost workdays (away from work)
<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
<b>RWDC</b>	Number of cases with restricted workdays
<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 6**  
**OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITIES with 2,500 - 4,999 EMPLOYEES - 1999**

FACILITY CODE	EMPLOYMENT	CASES	CASE RATE	LWDC	LWDCR RATE	LWDS	LWDSR RATE	RWDC	RWDCR RATE	RWDS	RWDSR RATE	OSHALTC	OSHA LWDC RATE	OSHALT	OSHA LWDS RATE
1376			2.739		0.53		3.79		0.70		7.39		0.95		11.18
9524			0.000		0.00		0.00		0.00		0.00		0.00		0.00
5807			1.268		0.15		2.92		0.29		2.89		0.38		5.81
6132			2.986		0.92		5.50		1.22		19.27		1.70		24.77
3034			1.291		0.49		2.56		0.33		4.93		0.63		7.49
2827			2.097		0.16		1.78		1.41		35.71		1.47		37.50
2426			0.210		0.12		5.35		0.06		1.11		0.12		6.46
5321			2.623		1.46		28.27		0.38		9.13		1.50		37.40
<b>TOTAL</b>	<b>30,143</b>	<b>500</b>	<b>1.659</b>	<b>156</b>	<b>0.518</b>	<b>2,168</b>	<b>7.192</b>	<b>154</b>	<b>0.511</b>	<b>2,804</b>	<b>9.302</b>	<b>254</b>	<b>0.843</b>	<b>4,972</b>	<b>16.495</b>

**STATISTICS:**

Mean Rate	1.65	0.48	6.27	0.55	10.05	0.84	16.33
S.D.	1.15	0.50	9.07	0.52	12.01	0.66	14.85
25% Percentile	0.74	0.13	2.17	0.18	2.00	0.25	6.13
Median	1.69	0.32	3.36	0.35	6.16	0.79	9.33
75% Percentile	2.68	0.72	5.42	0.96	14.20	1.49	31.09

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
<b>LWDS</b>	Number of lost workdays (away from work)
<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
<b>RWDC</b>	Number of cases with restricted workdays
<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 7**  
**OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITIES with 5,000 - 7,499 EMPLOYEES - 1999**

FACILITY CODE	EMPLOYMENT	CASES	CASE RATE	LWDC	LWDCR RATE	LWDS	LWDSR RATE	RWDC	RWDCR RATE	RWDS	RWDSR RATE	OSHALTC	OSHA LWDC RATE	OSHALT	OSHA LWDS RATE
5181			1.108		0.69		10.84		0.40		6.63		0.75		17.47
8049			0.356		0.02		0.69		0.00		0.00		0.02		0.69
7319			0.326		0.10		0.15		0.08		1.47		0.11		1.63
6295			0.393		0.03		0.24		0.05		0.68		0.05		0.92
2971			2.003		0.59		9.84		0.79		9.94		1.10		19.77
<b>TOTAL</b>	<b>27,036</b>	<b>219</b>	<b>0.810</b>	<b>73</b>	<b>0.270</b>	<b>1,108</b>	<b>4.098</b>	<b>67</b>	<b>0.248</b>	<b>963</b>	<b>3.562</b>	<b>104</b>	<b>0.385</b>	<b>2,071</b>	<b>7.660</b>

**STATISTICS:**

Mean Rate	0.84	0.29	4.35	0.26	3.74	0.41	8.10
S.D.	0.73	0.33	5.48	0.33	4.34	0.49	9.65
25% Percentile	0.36	0.30	0.24	0.04	0.68	0.04	0.92
Median	0.39	0.10	0.69	0.08	1.47	0.11	1.63
75% Percentile	1.11	0.59	9.84	0.40	6.63	0.75	17.47

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
<b>LWDS</b>	Number of lost workdays (away from work)
<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
<b>RWDC</b>	Number of cases with restricted workdays
<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 8  
OHS ANNUAL BENCHMARK SURVEY of OCCUPATIONAL INJURIES & ILLNESSES**

**FACILITIES with 7,500 or MORE EMPLOYEES - 1999**

FACILITY CODE	EMPLOYMENT	CASES	CASE RATE	LWDC	LWDCR RATE	LWDS	LWDSR RATE	RWDC	RWDCR RATE	RWDS	RWDSR RATE	OSHALTC	OSHA LWDC RATE	OSHALT	OSHA LWDS RATE
3965			1.069		0.39		3.63		0.25		4.50		0.48		8.13
4062			0.225		0.04		0.53		0.05		1.17		0.06		1.71
2695			0.354		0.09		0.19		0.12		3.20		0.16		3.39
5578			5.112		0.61		1.64		2.08		21.96		2.25		23.60
<b>TOTAL</b>	<b>37,502</b>	<b>583</b>	<b>1.555</b>	<b>98</b>	<b>0.261</b>	<b>515</b>	<b>1.373</b>	<b>214</b>	<b>0.571</b>	<b>2,717</b>	<b>7.245</b>	<b>255</b>	<b>0.680</b>	<b>3,232</b>	<b>8.618</b>

**STATISTICS:**

<b>Mean Rate</b>	1.69	0.28	1.50	0.62	7.71	0.74	9.20
<b>S.D.</b>	2.31	0.27	1.55	0.97	9.60	1.02	9.97
<b>25% Percentile</b>	0.29	0.06	0.36	0.08	2.18	0.11	2.55
<b>Median</b>	0.71	0.24	1.09	0.18	3.85	0.32	5.76
<b>75% Percentile</b>	3.09	0.50	2.64	1.16	13.23	1.36	15.86

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<b>CASES</b>	Number of OSHA recordable cases
<b>CASE RATE</b>	Number of cases per 100 F-T equivalent employees per year [Case Incidence Rate]
<b>LWDC</b>	Number of cases with days away from work
<b>LWDCR</b>	Number of cases with days away from work per 100 F-T equivalent employees per year [Lost Workday Case Incidence Rate]
<b>LWDS</b>	Number of lost workdays (away from work)
<b>LWDSR</b>	Number of lost workdays (away from work) per 100 F-T equivalent employees per year [Lost workdays Incidence Rate - also old "Severity Rate"]
<b>RWDC</b>	Number of cases with restricted workdays
<b>RWDCR</b>	Number of restricted workday cases per 100 F-T equivalent employees per year [Restricted Workday Case Incidence Rate]
<b>RWDS</b>	Number of restricted workdays.
<b>RWDSR</b>	Number of restricted workdays per 100 F-T employees per year [Restricted Workdays Incidence Rate]
<b>OSHALTC</b>	Number of cases with days away from work OR restricted workdays OR both
<b>OSHA LWDC RATE</b>	Number of cases with days away from work OR restricted workdays OR both per 100 F-T equivalent employees per year [OSHA Lost Workday Case Incidence Rate]
<b>OSHALT</b>	Number of lost workdays (away from work) AND restricted workdays
<b>OSHA LWDS RATE</b>	Number of lost workdays (away from work) AND restricted workdays per 100 F-T equivalent employees per year [No longer published by BLS]

**TABLE 15**

**WORK INJURY & ILLNESS EXPERIENCE of US SEMICONDUCTOR INDUSTRY  
SIA/SSA ANNUAL BENCHMARKING SURVEY: 1997 - 1999**

**US SEMICONDUCTOR COMPANIES**

<u>YEAR</u>	<u>EMPLOYMENT</u>	<u>OSHA CASES</u>	<u>CASE RATE</u>	<u>LWDC</u>	<u>LWDCR</u>	<u>LWDS</u>	<u>LWDSR</u>	<u>LWDS/ LWDC</u>	<u>RWDC</u>	<u>RWCR</u>	<u>RWDS</u>	<u>RWDSR</u>
1997	146,799	3,397	2.314	721	0.530	9,808	6.681	13.603	820	0.729	22,892	15.594
1998	144,101	2,682	1.861	528	0.366	9,354	6.491	17.716	684	0.475	15,148	11.559
1999	142,139	2,292	1.613	598	0.421	7,600	5.347	12.709	736	0.518	13,716	9.650

LWDC Numbers of cases with days away from work  
 LWDCR Incidence of cases with days away from work  
 LWDS Numbers of lost workdays (away from work)  
 LWDSR Incidence of lost workdays (away from work)

RDWC Numbers of cases with restricted workdays (work or work motion)  
 RWDCR Incidence of cases with restricted workdays (work or work motion)  
 RWDS Numbers of restricted workdays (work or work motion)  
 RWDSR Incidence of restricted workdays (work or work motion)  
 LWDS/LWDC Average number of LWDS per LWDC

RATE Incidence rate based on numbers of cases (days) per 100 full-time equivalent employees per year