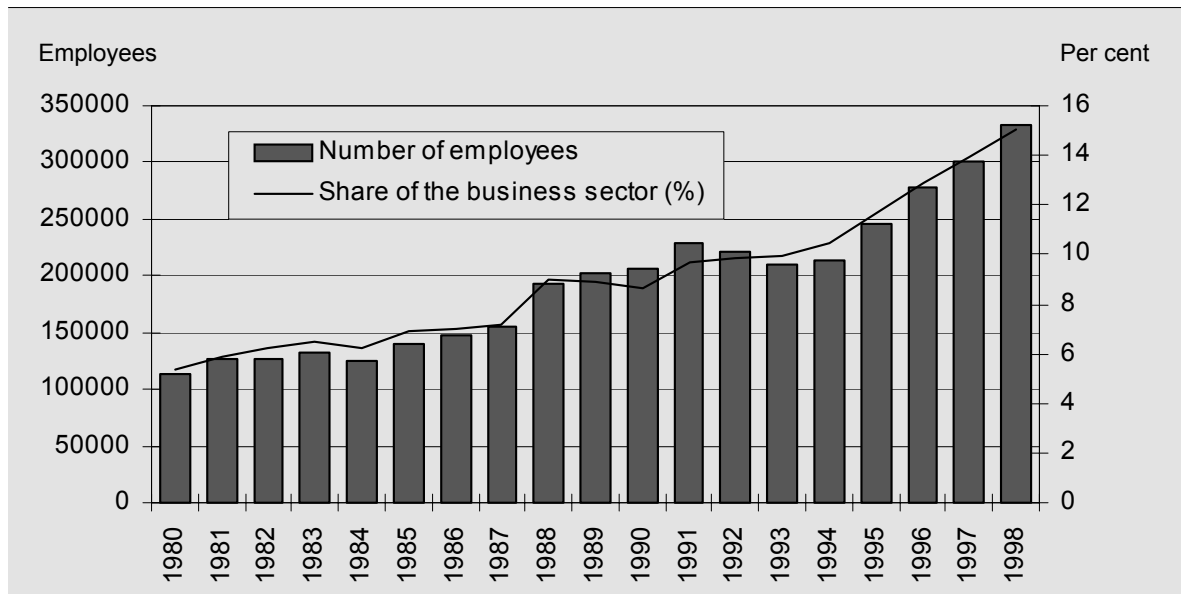


International business

Foreign owned enterprises 1998

Figure 1
Number of employees in foreign owned enterprises and as share of the total business sector 1980 - 1998



Foreign owned enterprises 1998

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Summary

At the end of 1998 there were 3 953 foreign owned enterprises in Sweden that had 333 395 employees. The foreign owned enterprises accounted for about 15 per cent of the total employment in the business sector.

In 1998, 193 206 employees were working in enterprises owned by the EU-countries. USA is still the largest country of origin with 61 089 employees. Finland is now the second largest country of origin, followed by Switzerland, the Netherlands, the United Kingdom and Norway.

About 50 per cent of the increase in number of employees (11 000 out of 32 000) in foreign owned enterprises between 1997 and 1998 took place in the service sector. Half of the total number of employees in foreign owned enterprises, 156 539 employees, were employed in the mining, quarrying and manufacturing industries, and 166 011 were employed in service industries. In the mining, quarrying and manufacturing industries, foreign owned enterprises account for 22 per cent of the total number of employees in these industries, whereas in service industries they account for 13 per cent.

Nearly 60 per cent of the employees were working in the three counties where the largest cities in Sweden are situated. The county most dependent on foreign owned enterprises is Västmanland county, where 26 per cent of the total number of employees in the business sector work in foreign owned enterprises. 64 per cent of the employees in foreign owned enterprises work in enterprises that can be considered large (more than 250 employees) 10 per cent of the employees work in small enterprises (less than 50 employees).

This report provides data on foreign owned enterprises in Sweden. A foreign owned enterprise is defined as an enterprise where foreign owner have voting right exceeding 50 per cent. The total number of employees in foreign owned enterprises is affected both by purchases and sales of enterprises and by the development within the enterprise. In this survey Asea Brown Boveri's (ABB) business activity in Sweden is defined as a foreign owned enterprise, since the business activity is controlled by the parent company in Switzerland (which in turn is owned to 50 per cent by ABB Norden Holding AB).

In previous published data on foreign owned enterprises, data for SAS (Scandinavian Airlines) have been accounted as Danish. From 1996, the SAS data have been divided between Norway, Denmark and Sweden. It means that only 2/3 of SAS are seen as foreign owned.

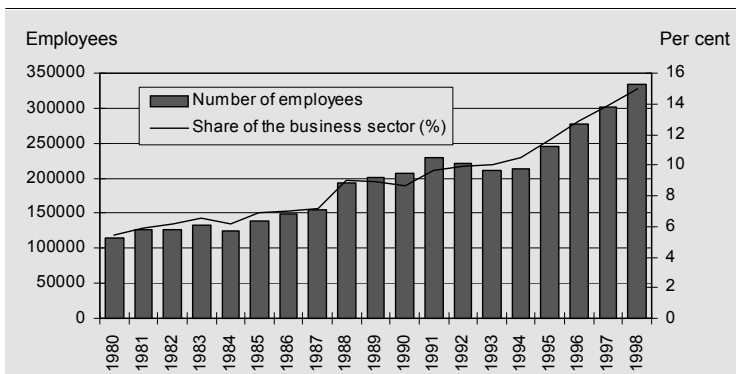
Results of Survey

Large increase in number of foreign-owned enterprises

The number of enterprises in which majority ownership is held by foreign investors continued to increase in 1998 and now stands at 3 953 enterprises, a net increase of 266 compared with 1997. Of the 3 953 foreign-owned enterprises, 742 were 'new' enterprises while 476 disappeared from the survey, either because of a change in ownership structure or because they were no longer active. The net increase of new foreign-owned enterprises between 1996-97 was considerably smaller, i.e. 74 'new' enterprises.

The number of employees working in foreign-owned enterprises also grew during 1998. The increase in employment was 32 326 individuals. In total, 333 395 persons were employed in foreign-owned companies. The share of employment by foreign-owned enterprises in relation to total employment in Sweden also continued to increase and stood at 15 per cent in 1998. This share has doubled since 1980 (see figure 1).

Figure 1
Number of employees in foreign owned enterprises and by share of the business sector 1980 - 1998



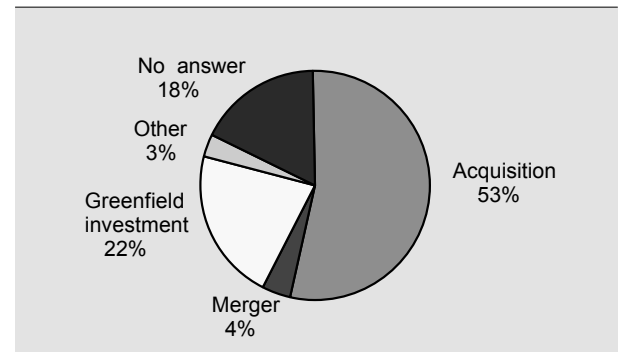
Acquisitions dominate

In the register, 53 per cent of the enterprises have become foreign-owned via acquisitions, making this the most common mode of market entry. The second most common is via greenfield investment (22 per cent - see figure 2). Of the new entries to this survey, 31 per cent became foreign-owned via acquisition and 15 per cent via greenfield investment. 50 per cent of the new entrants to the survey did not reply to this question.

Ownership of foreign-owned enterprises still dominated by EU-countries

EU-countries accounted for 58 per cent of employment in foreign-owned enterprises. At the end of 1998 there were 193 206 employees in enterprises where majority ownership was in the hands of one of the 15 EU-countries

Figure 2
Mode of market entry



Definition of a foreign-owned enterprise

In this survey an enterprise is defined as **foreign-owned** if a foreign owner holds more than half of the voting rights of the enterprise in question. If an enterprise belongs to a Swedish enterprise group where the parent company is foreign-owned this enterprise is also counted as foreign-owned. If there is a chain of ownership in an enterprise group, it is the ultimate owner in this chain, i.e. the origin of the parent company that is not controlled by any other, that determines the country to which all firms in the Swedish enterprise group belong. The nationality of a foreign-owned enterprise in Sweden depends thus on the country of origin of the ultimate beneficiary owner.

(excluding Sweden), up from 175 562 in 1997. Enterprises with majority ownership in Finland and Denmark accounted for 23 per cent of employment in foreign-owned enterprises while non-Nordic countries accounted for the remaining 35 per cent.

Finland the second largest country of origin

As far as the European Union is concerned, Finland is currently the largest country of origin for foreign-owned enterprises in Sweden, having taken over first place from the Netherlands (in 1998, 44 870 employees in Finnish enterprises, 34 403 employees in Dutch enterprises). Finland is not only the country of origin that has increased the most among EU-countries, but also the country (for the second year running) that has increased the most in total. The number of employees in Finnish-owned enterprises increased by 33 per cent compared with 1997, making Finland the second largest country of origin after the USA. The increase to a large degree can be explained by the merger between two paper and pulp enterprise groups – Sweden's Stora Kopparbergs Bergslags AB and Finland's ENSO OY. The Nordic influence has also increased somewhat since the last survey – in 1998 32 per cent of employment in foreign-owned enterprises were from the Nordic countries. However, this figure is lower than the 34 per cent share of all employment in all foreign-owned enterprises in 1990.

Foreign ownership concentrated to a small number of countries

Foreign ownership of enterprises in Sweden is concentrated to only a few countries. The nine largest countries of origin account for 95 per cent of total employment in all foreign-owned enterprises, which is the same as in the previous two years (see figure 3). In 1998, the USA was still the largest country of origin with 61 089 employees. The share of the number of employees in enterprises owned by American investors has thus continued to increase. In second place comes Finland, which has overtaken both the Netherlands and Switzerland. Finnish-owned enterprises employed 44 870 persons in 1998. In third place was Switzerland with 34 802 employees and in fourth the Netherlands with 34 403. The share of employment in both these countries has decreased somewhat since 1997. After the countries mentioned above follow, in order: the United Kingdom, Norway,

Denmark, France and Germany. Finland saw the largest increase in employment, with 11 185 new employees (see figure 4). After Finland followed the USA (approx. 10 000) and France and Norway (with increases of around 3 400 employees each).

Employment largest in service sector

In 1998, the service sector employed 166 011 individuals, an increase of 16 764 employees. Thus, of the total increase in employment in foreign-owned enterprises, the service sector accounted for just over half. Of total employment in foreign-owned enterprises around half were employed in the manufacturing sector – in the mining, quarrying and manufacturing industry there were 156 539 employees. The remaining employees in foreign-owned enterprises were associated mainly with the construction industry.

Figure 3

Foreign owned enterprises 1998, 1997 and 1990 by country of origin

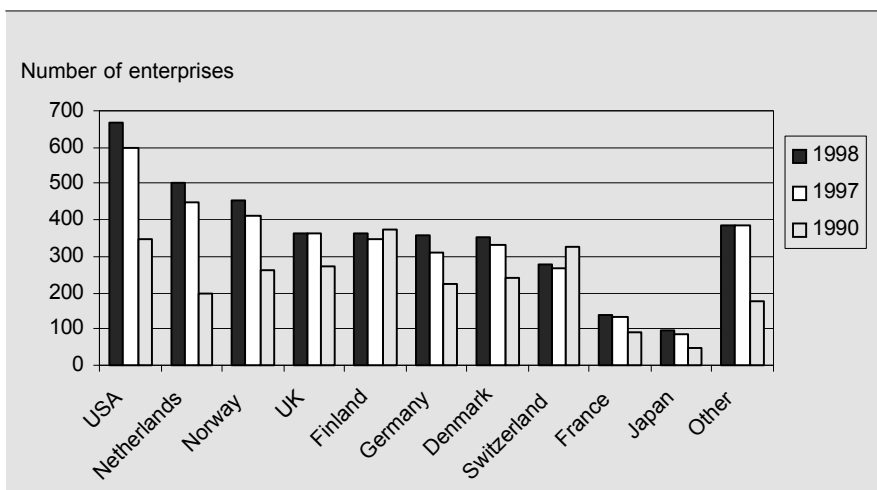
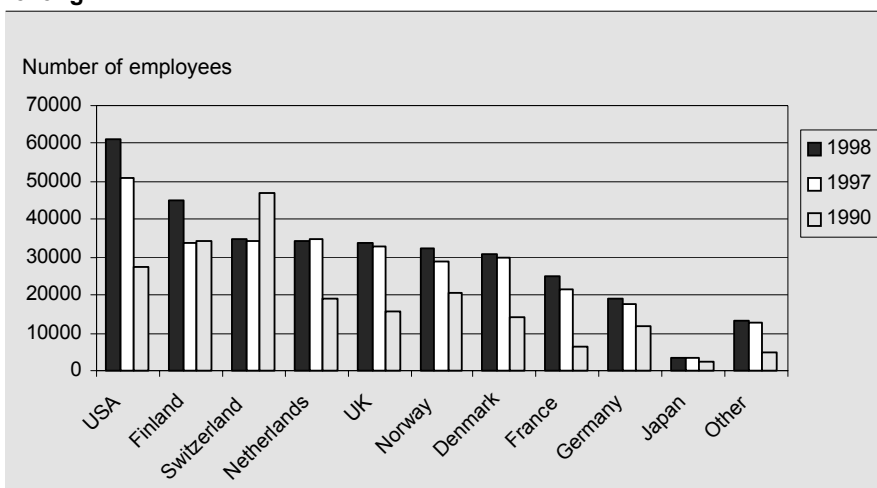


Figure 4

Employees in foreign owned enterprises 1998, 1997 and 1990 by country of origin



Of foreign-owned enterprises 72 per cent belonged to the service sector and 23 per cent to the mining, quarrying and manufacturing industry, which was unchanged from the previous year. Most of the foreign-owned enterprises (1 224 enterprises) were in wholesale trading.

The group of enterprises in the service sector that employed the most persons were those associated with wholesale trading (48 258 employees). Research and development and other business activities as well as transports followed this industry.

In the manufacturing industry most employees were involved in the manufacture of fabricated metal products, machinery and equipment (65 999 employees). As in 1997, machinery, which is part of this industry, was the largest employer with 29 295 employees (an increase of 104 persons). Thereafter followed chemicals and petroleum products, rubber and plastic industries with 26 596

employees. The electrical and optical equipment industry employed 21 571 persons. The industry that has grown the most since 1997 is the pulp and paper industry where the number of employees has increased by 8 912 persons.

The 166 011 employees in foreign-owned enterprises in the service sector in 1998 accounted for around 13 per cent of total employment in the service sector in Sweden. This is an increase of 2 per cent on the previous year. The largest share of employment by foreign-owned enterprises was in the wholesale trading industry (27 per cent). Within wholesale trading, foreign enterprises dominated employment in fuel trading (78 per cent of all employment) and wholesale of electrical and optical equipment (59 per cent of all employment). After wholesale trading followed data consultancy, where 20 per cent of all employees were employed by foreign-owned enterprises, research and development and other business activities (16 per cent) and hotels and restaurants (15 per cent). The smallest share was in real estate, with only 1 per cent of employment in foreign owned enterprises in relation to total employment in the service sector.

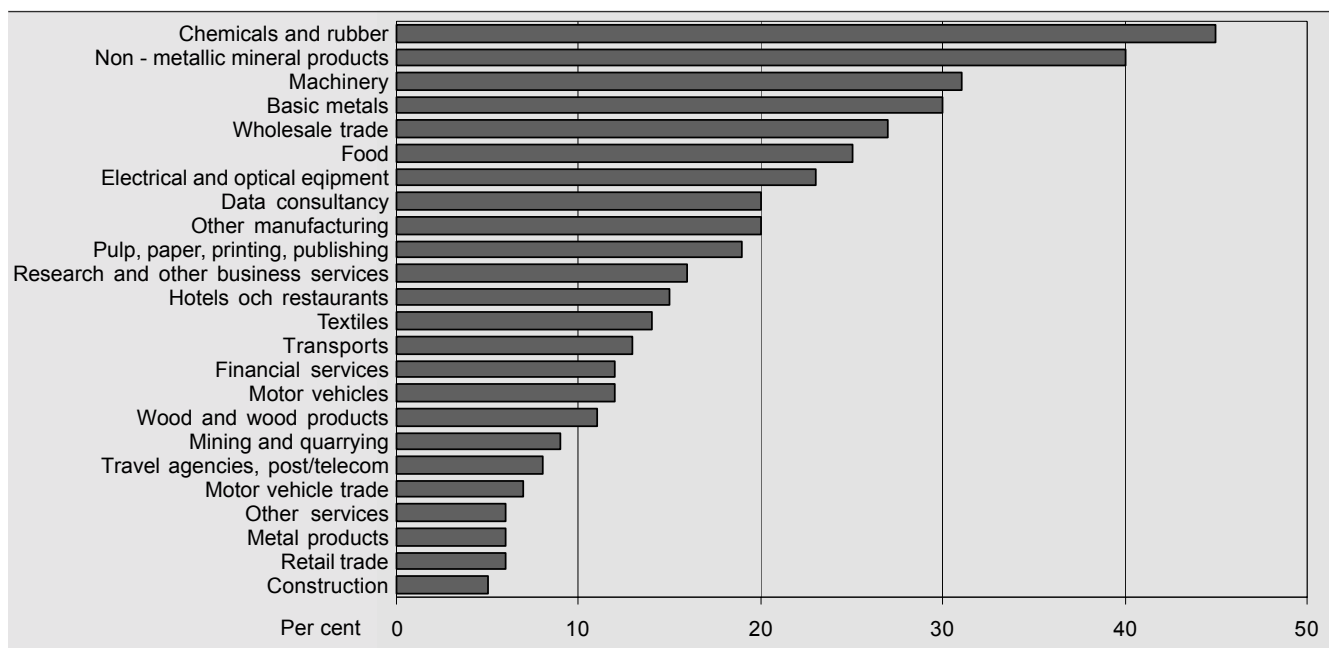
In the mining, quarrying and manufacturing industry there were 156 500 employees working for foreign-owned enterprises, which accounts for 22 per cent of total employment in this sector. Chemicals and petroleum products, rubber and plastic industries had the largest share of employment in foreign-owned

enterprises. In this industry 45 per cent of all employees worked for foreign-owned enterprises. In the same industry foreign-owned enterprises dominated employment within the manufacture of refined petroleum products and the manufacture of basic chemicals (91 per cent and 64 per cent, respectively, of employment in each industry). Other areas where there was considerable foreign influence were in the manufacture of other non-metallic mineral products (40 per cent), the manufacture of machinery (31 per cent) and the basic metal industry (30 per cent). The least share was in the manufacture of fabricated metal products except machinery and equipment, where only 6 per cent were employed by foreign-owned enterprises.

The countries of origin that had the greatest presence in manufacturing activities were Austria and Italy with 89 per cent and 67 per cent, respectively. Other countries of origin with considerable manufacturing activities were Finland, Norway, the Netherlands and Belgium/Luxembourg. Countries with a low level of activity in the manufacturing industry were Japan and Denmark (25 per cent and 26 per cent, respectively) as well as France (29 per cent). Japanese-owned enterprises were primarily involved in wholesale trading (45 per cent of employees in Japanese enterprises were active in wholesale trading) while Danish and French enterprises were to a large extent involved in the group 'other business activities' (60 per cent and 63 per cent, respectively).

Figure 5

Number of employees in foreign owned enterprises as a percentage of all employees in the industry in Sweden 1998



Most employment in a few enterprises

Of the 3 953 foreign-owned enterprises active in Sweden, 73 per cent were defined as small (< 50 employees). These enterprises, however, only employed 10 per cent of employees working in foreign-owned enterprises. Instead, most employment occurred in large foreign-owned enterprises. Only 7 per cent of foreign-owned enterprises were defined as large (> 250 employees), but their share of employment in all foreign-owned enterprises was 64 per cent. Medium-sized enterprises (50-249 employees) comprised 20 per cent of foreign-owned enterprises and their share of employment was 26 per cent. In respect to the whole of the Swedish business sector, foreign-owned enterprises were most influential in employment terms in company sizes 250-499 employees (30 per cent) and 50-249 employees (22 per cent).

The employees of larger foreign-owned enterprises were mainly active in the manufacturing sector while smaller foreign-owned enterprises had most of their employees in the service sector. Of the foreign-owned enterprises with at least 250 employees, 70 per cent of employees were involved in mining and manufacturing, while for the smallest enterprises (< 50 employees) the comparable figure was only 4 per cent. The latter enterprises had most employees in wholesale trading, i.e. 27 per cent of employees worked in this industry.

Larger counties dominate

Almost 60 per cent of employees in foreign-owned enterprises were situated in the larger counties (the counties of Stockholm, Skåne and Västra Götaland). In these three counties there were 196 412 employees, of which almost half were based in Stockholm.

Although most employees were based in the county of Stockholm, the area with the greatest dependency on foreign-owned enterprises was the county of Västmanland. This, to a large extent, is because Asea Brown Boveri (ABB) is based there. Of the total number of employees based in Västmanland, 26 per cent were employed in enterprises that were foreign owned. Other areas where foreign-owned enterprises had a relatively large influence were in the county of Värmland (24 per cent) as well as the counties of Blekinge (20 per cent) and Dalarna (19 per cent).

In almost all counties a large share of employment was found in foreign-owned enterprises involved in the mining, quarrying and manufacturing industry. In the counties of Stockholm, Norrland and Jämtland most employment in foreign-owned enterprises was within the service sector.

Tables



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Table 1

Employees in foreign owned enterprises by industry and country of origin 1998

Country of origin ¹⁾	Total 1998		Whereof					
	Number of employees	Share of employees (%)	Mining, Manufacturing		Wholesale trade		Other industries	
			Number of employees	Share of employees (%)	Number of employees	Share of employees (%)	Number of employees	Share of employees (%)
Nordic countries	108 133	100	52 168	48	11 617	11	44 348	41
Finland	44 870	100	27 818	62	2 941	7	14 111	31
Denmark	30 950	100	8 194	27	4 096	13	18 660	60
Norway	32 288	100	16 156	50	4 580	14	11 552	36
EU15 (excl. Swe, Fin, Den)	117 386	100	48 369	41	18 197	16	50 820	43
Netherlands	34 403	100	16 544	48	6 224	18	11 635	34
UK	33 907	100	13 274	39	2 329	7	18 304	54
France	25 169	100	7 282	29	2 052	8	15 835	63
Germany	18 967	100	7 998	42	7 098	38	3 871	20
Austria	2 054	100	1 837	90	149	7	68	3
Belgium / Luxembourg	1 921	100	869	45	232	12	820	43
Italy	766	100	513	67	85	11	168	22
Other EU	199	100	52	26	28	14	119	60
Central and Eastern Europe	106	100	-	-	34	32	72	68
NAFTA	62 463	100	29 378	47	12 950	21	20 135	32
USA	61 089	100	28 257	46	12 823	21	20 009	33
Asia	9 512	100	4 006	42	3 309	35	2 197	23
Japan	3 568	100	896	25	1 593	45	1 079	30
Other countries	35 795	100	22 618	63	2 151	6	11 026	31
Switzerland	34 802	100	22 077	63	1 963	6	10 762	31
TOTAL	333 395	100	156 539	47	48 258	14	128 598	39
Whereof								
EU15 (excl. Swe)	193 206	100	84 381	44	25 234	13	83 591	43

1) Regions**Nordic countries:** Denmark, Finland, Norway, Iceland**EU15:** Denmark, Finland, Belgium, Netherlands, Luxembourg, Germany, Austria, UK, Ireland, France, Spain, Portugal, Italy, Greece.**Central and Eastern Europe:** Bulgaria, Croatia, Lithuania, Poland, Russia, Slovakia, Czech Republic, Hungary**NAFTA:** USA, Canada, Mexico**Asia:** Cyprus, United Arab Emirates, Hong Kong, India, Indonesia, Israel, Japan, China, Kuwait, Malaysia, Pakistan, Saudi Arabia, Singapore, South Korea, Syrian Arab Republic, Taiwan, Thailand, Turkey

Table 2

Foreign owned enterprises and employees by country of origin 1998 and 1997

Country of origin ¹⁾	1998			1997		
	Number of enterprises	Number of employees	Share of employees (%)	Number of enterprises	Number of employees	Share of employees (%)
TOTAL	3 953	333 395	100	3 687	301 069	100
Whereof						
EU15	2 350	193 206	58	2 085	175 562	58
Nordic countries	1 167	108 133	32	1 095	92 584	31
NAFTA	698	62 463	19	611	51 968	17
Asia	191	9 512	3	181	7 978	3
USA	667	61 089	18	599	51 138	17
Finland	362	44 870	14	348	33 685	11
Switzerland	276	34 802	11	267	34 425	11
Netherlands	502	34 403	10	448	34 905	12
UK	365	33 907	10	363	32 865	11
Norway	452	32 288	10	412	28 856	10
Denmark	351	30 950	9	333	30 020	10
France	140	25 169	8	134	21 732	7
Germany	360	18 967	6	311	17 467	6
Japan	95	3 568	1	85	3 415	1
Cyprus	36	2 529	1	38	2 419	1
Austria	35	2 054	1	31	2 003	1
Belgium / Luxembourg	95	1 921	1	77	1 740	1
Singapore	4	1 485	0	7	794	0
Canada	31	1 374	0	12	830	0
Saudi Arabia	27	1 246	0	29	1 035	0
Italy	19	766	0	23	841	0
Kuwait	3	420	0	3	325	0
Australia	4	339	0	5	337	0
Liechtenstein	6	217	0	8	229	0
Panama	8	166	0	6	110	0
Bermuda	8	112	0	7	191	0
Spain	5	112	0	6	127	0
Central and Eastern Europe	23	106	0	22	121	0
Ireland	7	75	0	9	161	0
South Korea	5	36	0	6	120	0
Taiwan	3	24	0	..	..	..
Czech Republic	4	22	0	5	30	0
Hong Kong	3	14	0	3	11	0
Netherlands Antilles	..	..	..	11	555	0
South Africa	..	..	..	4	79	0
Other countries	42	337	0	38	242	0
Country not specified	15	27	0	37	261	0
TOTAL	3 953	333 395	100	3 687	301 069	100

1) Regions

Nordic countries: Denmark, Finland, Norway, Iceland

EU15: Denmark, Finland, Belgium, Netherlands, Luxembourg, Germany, Austria, UK, Ireland, France, Spain, Portugal, Italy, Greece. Note that Denmark and Finland are included in the Nordic countries and EU15.

Central and Eastern Europe: Bulgaria, Croatia, Lithuania, Poland, Russia, Slovakia, Czech Republic, Hungary

NAFTA: USA, Canada, Mexico

Asia: Cyprus, United Arab Emirates, Hong Kong, India, Indonesia, Israel, Japan, China, Kuwait, Malaysia, Pakistan, Saudi Arabia, Singapore, South Korea, Syrian Arab Republic, Taiwan, Thailand, Turkey

Note .. The information is not available

Table 2 (continues)

Foreign owned enterprises and employees by country of origin 1990

Country of origin ¹⁾	1990	Number of employees	Share of employees (%)
	Number of enterprises		
TOTAL	2 563	203 752	100
Whereof			
EU15	1 476	104 223	51
Nordic countries	882	68 900	34
NAFTA	359	27 750	14
Asia	52	2 519	1
USA	350	27 379	13
Finland	372	34 372	17
Switzerland	328	47 008	23
Netherlands	199	19 185	9
UK	271	15 607	8
Norway	264	20 503	10
Denmark	241	14 024	7
France	92	6 258	3
Germany	222	11 906	6
Japan	49	2 510	1
Cyprus	..	..	..
Austria	15	259	0
Belgium / Luxembourg	33	1 509	1
Singapore	..	..	..
Canada	9	371	0
Saudi Arabia	..	..	..
Italy	23	866	0
Kuwait	..	..	..
Australia	7	254	0
Liechtenstein	..	..	..
Panama	..	..	..
Bermuda	..	..	..
Spain	3	25	0
Central and Eastern Europe	..	..	..
Ireland	4	204	0
South Korea	..	..	..
Taiwan	..	..	..
Czech Republic	..	..	..
Hong Kong	..	..	..
Netherlands Antilles	..	..	..
South Africa	..	..	..
Other countries	23	373	0
Country not specified	66	1 392	1
TOTAL	2 563	203 752	100

1) Regions

Nordic countries: Denmark, Finland, Norway, Iceland

EU15: Denmark, Finland, Belgium, Netherlands, Luxembourg, Germany, Austria, UK, Ireland, France, Spain, Portugal, Italy, Greece. Note that Denmark and Finland are included in the Nordic countries and EU15.

Central and Eastern Europe: Bulgaria, Croatia, Lithuania, Poland, Russia, Slovakia, Czech Republic, Hungary

NAFTA: USA, Canada, Mexico

Asia: Cyprus, United Arab Emirates, Hong Kong, India, Indonesia, Israel, Japan, China, Kuwait, Malaysia, Pakistan, Saudi Arabia, Singapore, South Korea, Syrian Arab Republic, Taiwan, Thailand, Turkey

Note .. The information is not available

Table 3
Foreign owned enterprises by industry 1998

Industry	NACE Rev. 1	1998				
		Number of enter- prises	Number of em- ployees	Share of enterprises of all foreign- owned enter- prises ¹⁾	Number of enterprises in the busi- ness sector ²⁾	Foreign owned enterprises of all in the industry in Sweden (%) ³⁾
Agriculture, forestry, fishing electricity, gas, water supply	01-05 40-41	57	2 099	1	157 884	0
Mining, manufacturing	10-37	892	156 539	23	51 033	2
Whereof						
Mining and quarrying	10-14	16	867	0	601	3
Food, beverages and tobacco	15-16	47	16 509	1	2 903	2
Textiles	17-19	15	2 327	0	3 687	0
Wood and wood products	20	22	4 128	1	5 542	0
Pulp, paper	21-22	126	17 780	3	8 635	1
Chemicals, rubber, plastic prod.	23-25	146	26 596	4	2 325	6
Non- metallic mineral products	26	33	6 820	1	1 459	2
Basic metal industries	27	33	9 553	1	342	10
Machinery and equipment	28-35	419	65 999	11	20 540	2
Whereof						
Fabricated metal products	28	71	4 881	2	9 469	1
Machinery	29	161	29 295	4	4 865	3
Electrical and optical equipment	30-33	134	21 571	3	4 262	3
Transports	34-35	53	10 252	1	1 944	3
Other manufacturing	36-37	35	5 960	1	4 999	1
Construction	45	91	8 739	2	50 341	0
Services	50-99	2 843	166 011	72	393 566	1
Whereof						
Sales of motor vehicles	50	79	4 038	2	18 531	0
Wholesale trade	51	1 224	48 258	31	42 216	3
Retail trade	52	102	10 667	3	58 691	0
Hotels and restaurants	55	80	11 599	2	19 950	0
Transports	60-62	85	15 111	2	26 783	0
Travel agencies, post/telecom	63-64	139	10 264	4	4 876	3
Financial services	65-67	136	9 620	3	4 664	3
Real estate	70	186	383	5	40 924	0
Data consultancy	71-72	169	12 501	4	22 606	1
Research and development and other business services	73-74	532	35 329	13	94 443	1
Other services	75-99	111	8 241	3	59 882	0
Not classified by industry	0	70	7	2	132 286	0
TOTAL	01-99	3 953	333 395	100	785 110	1

1) The share of enterprises refers to foreign owned enterprises in the industry in proportion to the total number of foreign owned enterprises.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of foreign owned enterprises refers to foreign owned enterprises in the industry in proportion to the total number of enterprises in the industry in Sweden.

Table 4A
Foreign owned enterprises and employees by industry 1998

Industry	NACE Rev. 1	1998		Share of employees of all in foreign owned enterprises ¹⁾	Number of employees in the busi- ness sector ²⁾	Employees of all in the industry in Sweden (%) ³⁾
		Number of enterprises	Number of employees			
Agriculture, forestry, fishing electricity, gas, water supply	01-05 40-41	57	2 099	1	58 380	4
Mining, manufacturing	10-37	892	156 539	47	721 953	22
Whereof						
Mining and quarrying	10-14	16	867	0	9 128	9
Food, beverages and tobacco	15-16	47	16 509	5	65 250	25
Textiles	17-19	15	2 327	1	16 280	14
Wood and wood products	20	22	4 128	1	36 798	11
Pulp, paper	21-22	126	17 780	5	96 105	19
Chemicals, rubber, plastic prod.	23-25	146	26 596	8	58 886	45
Non- metallic mineral products	26	33	6 820	2	17 003	40
Basic metal industries	27	33	9 553	3	32 075	30
Machinery and equipment	28-35	419	65 999	20	360 670	18
Whereof						
Fabricated metal products	28	71	4 881	1	84 111	6
Machinery	29	161	29 295	9	95 508	31
Electrical and optical equipment	30-33	134	21 571	6	93 275	23
Transports	34-35	53	10 252	3	87 776	12
Other manufacturing	36-37	35	5 960	2	29 758	20
Construction	45	91	8 739	2	165 461	5
Services	50-99	2 843	166 011	50	1 273 872	13
Whereof						
Sales of motor vehicles	50	79	4 038	1	58 595	7
Wholesale trade	51	1 224	48 258	14	175 717	27
Retail trade	52	102	10 667	3	185 796	6
Hotels and restaurants	55	80	11 599	4	77 158	15
Transports	60-62	85	15 111	5	114 450	13
Travel agencies, post/telecom	63-64	139	10 264	3	123 945	8
Financial services	65-67	136	9 620	3	79 867	12
Real estate	70	186	383	0	49 882	1
Data consultancy	71-72	169	12 501	4	63 832	20
Research and development and other business services	73-74	532	35 329	11	217 565	16
Other services	75-99	111	8 241	2	127 065	6
Not classified by industry	0	70	7	0	925	1
TOTAL	01-99	3 953	333 395	100	2 220 591	15

1) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in foreign owned enterprises.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in the industry in Sweden.

Table 4B

Foreign owned enterprises and employees by industry 1997

Industry	NACE Rev. 1	1997		Share of employees of all in foreign owned enterprises ¹⁾	Number of employees in the busi- ness sector ²⁾	Employees of all in the industry in Sweden (%) ³⁾
		Number of enterprises	Number of employees			
Agriculture, forestry, fishing electricity, gas, water supply	01-05 40-41	48	1 780	1	58 378	3
Mining, manufacturing	10-37	835	142 358	47	717 913	20
Whereof						
Mining and quarrying	10-14	13	729	0	9 672	8
Food, beverages and tobacco	15-16	46	17 153	6	65 349	26
Textiles	17-19	19	2 340	1	15 692	15
Wood and wood products	20	22	3 232	1	36 389	9
Pulp, paper	21-22	108	8 868	3	97 962	9
Chemicals, rubber, plastic prod.	23-25	134	26 076	9	56 637	46
Non- metallic mineral products	26	37	7 522	2	17 598	43
Basic metal industries	27	33	9 988	3	32 439	31
Machinery and equipment	28-35	388	62 163	21	357 534	17
Whereof						
Fabricated metal products	28	70	4 647	2	85 119	5
Machinery	29	148	29 191	10	95 209	31
Electrical and optical equipment	30-33	125	19 479	6	90 478	22
Transports	34-35	45	8 846	3	86 728	10
Other manufacturing	36-37	35	4 287	1	28 641	15
Construction	45	94	7 680	3	163 528	5
Services	50-99	2 660	149 247	50	1 228 183	12
Whereof						
Sales of motor vehicles	50	74	3 654	1	57 011	6
Wholesale trade	51	1 214	44 672	15	171 782	26
Retail trade	52	87	8 617	3	185 548	5
Hotels and restaurants	55	68	8 780	3	73 090	12
Transports	60-62	83	13 066	4	113 828	11
Travel agencies, post/telecom	63-64	133	8 704	3	122 772	7
Financial services	65-67	123	10 193	3	80 842	13
Real estate	70	140	272	0	49 995	1
Data consultancy	71-72	156	10 980	4	53 443	21
Research and development and other business services	73-74	484	32 782	11	202 621	16
Other services	75-99	98	7 527	3	117 251	6
Not classified by industry	0	50	4	0	259	2
TOTAL	01-99	3 687	301 069	100	2 168 261	14

1) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in foreign owned enterprises.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in the industry in Sweden.

Table 4C

Foreign owned enterprises and employees by industry 1990

Industry	NACE Rev. 1	1990		Share of employees of all in foreign owned enterprises ¹⁾	Number of employees in the busi- ness sector ²⁾	Employees of all in the industry in Sweden (%) ³⁾
		Number of enterprises	Number of employees			
Agriculture, forestry, fishing electricity, gas, water supply	01-05 40-41	13	136	0	43 022	0
Mining, manufacturing	10-37	664	124 046	60	870 290	14
Whereof						
Mining and quarrying	10-14	5	404	0	12 614	3
Food, beverages and tobacco	15-16	46	13 331	7	72 375	18
Textiles	17-19	21	1 561	1	26 511	6
Wood and wood products	20	20	936	0	50 255	2
Pulp, paper	21-22	64	9 487	5	117 439	8
Chemicals, rubber, plastic prod.	23-25	108	17 289	8	68 391	25
Non- metallic mineral products	26	31	7 734	4	23 686	33
Basic metal industries	27	13	2 744	1	40 657	7
Machinery and equipment	28-35	325	68 782	33	430 864	16
Whereof						
Fabricated metal products	28	94	7 816	4	114 490	7
Machinery	29	124	26 299	13	110 949	24
Electrical and optical equipment	30-33	75	29 577	14	96 628	31
Transports	34-35	32	5 090	2	108 797	5
Other manufacturing	36-37	31	1 778	1	27 498	6
Construction	45	76	7 281	4	230 351	3
Services	50-99	1 771	72 196	36	1 210 161	6
Whereof						
Sales of motor vehicles	50	58	2 538	1	64 958	4
Wholesale trade	51	1 024	36 319	18	185 545	20
Retail trade	52	71	3 747	2	206 798	2
Hotels and restaurants	55	11	1 761	1	76 930	2
Transports	60-62	66	7 287	5	132 117	6
Travel agencies, post/telecom	63-64	83	3 324	2	147 716	2
Financial services	65-67	76	2 005	1	81 962	2
Real estate	70	45	191	0	42 160	0
Data consultancy	71-72	86	3 128	2	32 506	10
Research and development and other business services	73-74	218	10 818	5	164 659	7
Other services	75-99	32	1 077	1	74 810	1
Not classified by industry	0	40	93	0	5 571	2
TOTAL	01-99	2 563	203 752	100	2 386 284	9

1) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in foreign owned enterprises.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in the industry in Sweden.

Table 5

Foreign owned enterprises and employees 1998 by industry less aggregated than table 4A

Industry	NACE Rev. 1	1998		Share of employees of all in foreign owned enterprises ¹⁾	Number of employees in the busi- ness sector ²⁾	Employees of all in the industry in Sweden (%) ³⁾
		Number of enter- prises	Number of employees			
Agriculture, forestry, fishing electricity, gas, water supply	01-05 40-41	57	2 099	1	58 380	4
Mining, manufacturing	10-37	892	156 539	47	721 953	22
Whereof						
Mining and quarrying	10-14	16	867	0	9 128	9
Food, beverages and tobacco	15-16	47	16 509	5	65 250	25
Whereof						
Food and beverages	15	47	16 509	5	64 131	26
Food	15.1-15.6	20	6 180	2	33 290	19
Other food products	15.8	24	7 389	2	23 868	31
Textiles	17-19	15	2 327	1	16 280	14
Whereof						
Made up textile articles	17.4	2	88	0	3 257	3
Other textiles	17.5	10	1 903	1	3 280	58
Wood and wood products	20	22	4 128	1	36 798	11
Pulp, paper and paper products	21	38	13 901	4	44 289	31
Publishing, printing	22	88	3 879	1	51 816	7
chemicals, petroleum, rubber and plastic products	23-25	146	26 596	8	58 886	45
Whereof						
Refined petroleum products	23.2	7	1 678	1	1 851	91
Chemicals	24	85	18 681	6	32 785	57
Basic chemicals etc.	24.1-24.3	54	10 309	3	16 095	64
Pharmaceutical products	24.41-24.42	11	6 279	2	12 057	52
Rubber and plastic products	25	53	6 230	2	24 105	26
Non- metallic mineral products	26	33	6 820	2	17 003	40
Basic metal industries	27	33	9 553	3	32 075	30
Machinery and equipment	28-35	419	65 999	20	360 670	18
Whereof						
Fabricated metal products	28	71	4 881	1	84 111	6
Machinery	29	161	29 295	9	95 508	31
Office machinery	30	6	715	0	3 271	22
Other electrical machinery	31	55	8 457	3	21 760	39
Radio, television, communication equipment	32	11	3 830	1	42 901	9
Instruments	33	62	8 569	3	25 343	34
Motor vehicles	34	38	7 984	2	67 816	12
Other transport equipment	35	15	2 268	1	19 960	11
Other manufacturing	36-37	35	5 960	2	29 758	20
Whereof						
Furniture	36.1	19	4 626	1	23 484	20

1)The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in foreign owned enterprises.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in the industry in Sweden.

Table 5 (continues)

Foreign owned enterprises and employees 1998 by industry, less aggregated than table 4A

Industry	NACE Rev. 1	1998				
		Number of enter- prises	Number of employees	Share of employees of all in foreign owned enter- prises (%) ¹⁾	Number of employees in the busi- ness sector ²⁾	Employees of all in the industry in Sweden (%) ³⁾
Construction	45	91	8 739	2	165 461	5
Service sector	50-99	2 843	166 011	50	1 273 872	13
Whereof						
Sales of motor vehicles	50	79	4 038	1	58 595	7
Wholesale trade	51	1224	48 258	14	175 717	27
Whereof						
Electrical household appliances, radio and television goods	51.43	94	4 438	1	10 193	44
Pharmaceutical goods	51.46	92	4 175	1	7 078	59
Other household goods	51.47	80	3 447	1	13 764	25
Solid, liquid and gaseous fuels	51.51	52	4 469	1	5 739	78
Wood, construction materials and sanitary equipment	51.53	68	2 532	1	13 617	19
Office machinery and equipment	51.64	103	9 542	3	23 273	41
Other machinery	51.65	292	8 918	3	26 196	34
Retail trade	52	102	10 667	3	185 796	6
Hotels and restaurants	55	80	11 599	3	77 158	15
Transports	60-62	85	15 111	5	114 450	13
Travel agencies post/telecom	63-64	139	10 264	3	123 945	8
Whereof						
Supporting, transport activities and of travel agencies	63.1-63.4	117	8 524	3	43 196	20
Travel agencies	63.3	42	4 435	1	9 108	49
Financial services	65-67	136	9 620	3	79 867	12
Real estate	70	186	383	0	49 882	1
Data consultancy	71-72	169	12 501	4	63 832	20
Research and development and other business services	73-74	532	35 329	11	217 565	16
Whereof						
Law and business firms, holding companies	74.11-74.15	227	4 008	1	59 166	7
Architectural and engineering- activities, testing and analysis	74.2-74.3	112	6 226	2	55 046	11
Advertising	74.4	97	2 311	1	18 203	13
Industrial cleaning	74.7	10	9 456	3	27 124	35
Other business activities	74.8	57	8 488	3	29 390	29
Other services	75-99	111	8 241	2	127 065	6
Not classified by industry	0	70	7	0	925	1
TOTAL	01-99	3 953	333 395	100	2 220 591	15

1)The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in foreign owned enterprises.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of employees refers to employees in foreign owned enterprises in the industry in proportion to the total number of employees in the industry in Sweden.

Table 6

Foreign owned enterprises and employees by size of enterprise 1998, 1997 and 1990

Size of enterprise/ Number of employees ¹⁾	1998				1997			
	Number of enterprises	Number of employees	Share of employees (%)	Share of employees in the business sector (%)	Number of enterprises	Number of employees	Share of employees (%)	Share of employees in the business sector (%)
0	782	0	0	0	723	0	0	0
1-9	930	4 117	1	1	899	3 940	1	1
10-49	1 186	28 304	9	6	1 119	27 235	9	6
50-249	786	87 353	26	22	706	80 095	27	20
250-499	135	45 539	14	30	122	42 532	14	29
500-	134	168 082	50	21	118	147 267	49	19
TOTAL	3 953	333 395	100	15	3 687	301 069	100	14

Size of enterprise/ Number of employees ¹⁾	1990			
	Number of enterprises	Number of employees	Share of employees (%)	Share of employees in the business sector (%)
0	352	0	0	0
1-9	752	3 325	2	1
10-49	797	18 952	9	4
50-249	479	53 158	26	13
250-499	96	32 976	16	18
500-	87	95 340	47	10
TOTAL	2 563	203 752	100	9

1) The size-class 0 - 49 is regarded as small enterprises, 50 - 249 as medium-sized enterprises and 250- employees as large enterprises.

Table 7

Employees in foreign owned enterprises by size of enterprise and industry 1998

Size of enterprise/ Number of employees	Total 1998		Whereof					
	Number of employees	Share of employees (%)	Mining, Manufacturing		Wholesale trade		Other industries	
			Number of employees	Share of employees (%)	Number of employees	Share of employees (%)	Number of employees	Share of employees (%)
0	-	-	-	-	-	-	-	-
1-9	4 117	100	519	13	1 768	43	1 830	44
10-49	28 304	100	5 855	21	11 384	40	11 065	39
50-249	87 353	100	41 051	47	18 367	21	27 935	32
250-499	45 539	100	24 038	53	6 057	13	15 444	34
500-	168 082	100	85 076	51	10 682	6	72 324	43
TOTAL	333 395	100	156 539	47	48 258	14	128 598	39

Table 8

Employees in foreign owned enterprises by county and municipality in Sweden and by country of origin 1998

County / Municipality	Total 1998		Whereof					
	Number of employees	Share of employees (%)	Nordic countries		EU15 (excl. Fin, Den)		Other countries	
			Number of employees	Share of employees (%)	Number of employees	Share of employees (%)	Number of employees	Share of employees (%)
County								
01 Stockholm	95 516	100	24 465	26	34 233	36	36 818	38
14 Västra Götaland	53 861	100	19 538	36	17 794	33	16 529	31
12 Skåne	47 035	100	16 490	35	19 671	42	10 874	23
19 Västmanland	16 551	100	3 053	18	3 470	21	10 028	61
17 Värmland	14 948	100	7 868	53	5 685	38	1 395	9
05 Östergötland	14 284	100	5 064	36	4 606	32	4 614	32
20 Dalarna	11 881	100	5 151	43	3 157	27	3 573	30
06 Jönköping	9 347	100	3 054	33	2 913	31	3 380	36
18 Örebro	8 848	100	3 409	39	3 134	35	2 305	26
22 Västernorrland	7 602	100	2 484	33	3 550	47	1 568	20
08 Kalmar	7 011	100	2 069	30	2 827	40	2 115	30
10 Blekinge	6 935	100	1 868	27	1 925	28	3 142	45
03 Uppsala	6 887	100	2 098	30	1 974	29	2 815	41
04 Södermanland	6 729	100	912	14	3 978	59	1 839	27
07 Kronoberg	6 570	100	1 596	24	2 913	44	2 061	32
21 Gävleborg	5 970	100	3 203	54	1 492	25	1 275	21
13 Halland	5 325	100	2 173	41	1 654	31	1 498	28
24 Västerbotten	3 430	100	1 475	43	992	29	963	28
25 Norrbotten	2 504	100	1 231	49	734	29	539	22
23 Jämtland	1 663	100	548	33	607	36	508	31
09 Gotland	498	100	384	77	77	16	37	7
TOTAL	333 395	100	108 133	32	117 386	35	107 876	32
Municipality								
Stockholm	55 066	100	13 025	24	18 327	33	23 714	43
Gothenburg	19 704	100	6 736	34	6 832	35	6 136	31
Malmö	13 847	100	5 298	38	4 917	36	3 632	26
Other municipalities	244 778	100	83 074	34	87 310	36	74 394	30
TOTAL	333 395	100	108 133	32	117 386	35	107 876	32

Table 9

Employees in foreign owned enterprises by county and municipality in Sweden and by industry 1998

County / Municipality	Total 1998		Whereof						
	Number of employees	Share of employees (%)	Mining, Manufacturing ¹⁾		Wholesale trade ¹⁾		Other industries ¹⁾		
			Number of employees	Share of employees (%)	Number of employees	Share of employees (%)	Number of employees	Share of employees (%)	
County									
01	Stockholm	95 516	100	17 877	19	23 913	25	53 726	56
14	Västra Götaland	53 861	100	27 325	51	7 416	14	19 120	35
12	Skåne	47 035	100	25 603	54	5 967	13	15 465	33
19	Västmanland	16 551	100	10 585	64	706	4	5 260	32
17	Värmland	14 948	100	11 414	76	372	3	3 162	21
05	Östergötland	14 284	100	9 189	64	839	6	4 256	30
20	Dalarna	11 881	100	8 543	72	451	4	2 887	24
06	Jönköping	9 347	100	6 370	68	883	10	2 094	22
18	Örebro	8 848	100	5 820	66	492	5	2 536	29
22	Västernorrland	7 602	100	3 656	48	421	6	3 525	46
08	Kalmar	7 011	100	5 711	82	157	2	1 143	16
10	Blekinge	6 935	100	4 726	68	156	2	2 053	30
03	Uppsala	6 887	100	3 820	56	353	5	2 714	39
04	Södermanland	6 729	100	4 939	73	415	6	1 375	21
07	Kronoberg	6 570	100	3 625	55	1 237	19	1 708	26
21	Gävleborg	5 970	100	3 383	57	270	4	2 317	39
13	Halland	5 325	100	2 847	54	809	15	1 669	31
24	Västerbotten	3 430	100	1 444	42	284	8	1 702	50
25	Norrbottn	2 504	100	529	21	240	10	1 735	69
23	Jämtland	1 663	100	206	12	94	6	1 363	82
09	Gotland	498	100	293	59	22	4	183	37
TOTAL		333 395	100	157 905	47	45 497	14	129 993	39
Municipality									
	Stockholm	55 066	100	7 988	15	13 123	24	33 955	62
	Gothenburg	19 704	100	4 257	22	4 629	23	10 818	55
	Malmö	13 847	100	4 021	29	3 072	22	6 754	49
	Other municipalities	244 778	100	141 639	58	24 673	10	78 466	32
TOTAL		333 395	100	157 905	47	45 497	14	129 993	39

1) The number of employees is calculated by the industry of the establishment and not the industry of the enterprise as in table 1.

Table 10

Establishments in foreign owned enterprises by county and municipality in Sweden 1998

County / Municipality	Total 1998			
	Number of establishments	Share of establishments (%) ¹⁾	Number of establishments in the business-sector ²⁾	Share of establishments in the business sector (%) ³⁾
County				
01 Stockholm	2 989	30	166 656	2
14 Västra Götaland	1 691	17	135 623	1
12 Skåne	1 400	14	98 907	1
19 Västmanland	270	3	19 089	1
17 Värmland	383	4	29 263	1
05 Östergötland	378	4	31 387	1
20 Dalarna	283	3	31 095	1
06 Jönköping	289	3	33 887	1
18 Örebro	326	3	21 506	2
22 Västernorrland	287	3	24 404	1
08 Kalmar	151	1	23 880	1
10 Blekinge	120	1	12 299	1
03 Uppsala	189	2	24 784	1
04 Södermanland	187	2	18 976	1
07 Kronoberg	174	2	21 012	1
21 Gävleborg	245	2	25 059	1
13 Halland	213	2	26 835	1
24 Västerbotten	207	2	29 530	1
25 Norrbotten	174	2	23 861	1
23 Jämtland	85	1	17 605	0
09 Gotland	29	0	6 556	0
TOTAL	10 070	100	822 214	1
Municipality				
Stockholm	1 836	18	82 808	2
Gothenburg	844	8	38 989	2
Malmö	603	6	20 246	3
Other municipalities	6 787	67	680 171	1
TOTAL	10 070	100	822 214	1

1)The share of establishments refers to establishments in foreign owned enterprises in the county in proportion to the total number of foreign owned establishments.

2) Business sector: Enterprises, enterprises interest organisations etc., branch offices to foreign owned enterprises, banking, other financing institutes, insurance institutes and unregistered firms.

3) The share of foreign owned establishments in proportion to the total number of establishments in the county.

Table 11

Foreign owned enterprises and employees by county and municipality 1998 and 1997

County / Municipality	1998				1997			
	Number of establishments	Number of employees	Share of employees (%)	Share of employees in the business sector (%)	Number of establishments	Number of employees	Share of employees (%)	Share of employees in the business sector (%)
County								
01 Stockholm	2 989	95 516	29	17	2 793	87 941	29	16
14 Västra Götaland ¹⁾	1 691	53 861	16	14	1 577	48 095	16	13
12 Skåne ²⁾	1 400	47 035	14	18	1 322	43 305	14	17
19 Västmanland	270	16 551	5	26	259	16 017	5	25
17 Värmland	383	14 948	4	24	360	12 122	4	20
05 Östergötland	378	14 284	4	14	351	13 411	5	13
20 Dalarna	283	11 881	4	19	220	9 145	3	15
06 Jönköping ¹⁾	289	9 347	3	11	287	8 646	3	10
18 Örebro	326	8 848	3	14	301	8 163	3	13
22 Västernorrland	287	7 602	2	13	265	6 667	2	12
08 Kalmar	151	7 011	2	13	146	6 689	2	12
10 Blekinge	120	6 935	2	20	119	6 532	2	20
03 Uppsala	189	6 887	2	13	157	5 409	2	11
04 Södermanland	187	6 729	2	13	168	6 655	2	13
07 Kronoberg	174	6 570	2	13	153	6 196	2	13
21 Gävleborg	245	5 970	2	9	216	4 457	1	7
13 Halland	213	5 325	2	10	201	4 560	2	8
24 Västerbotten	207	3 430	1	6	187	2 979	1	6
25 Norrbotten	174	2 504	1	5	164	2 525	1	5
23 Jämtland	85	1 663	0	6	81	1 207	0	5
09 Gotland	29	498	0	5	29	348	0	3
15 Älvsborg	-	-	-	-	-	-	-	-
16 Skaraborg	-	-	-	-	-	-	-	-
11 Kristianstad	-	-	-	-	-	-	-	-
TOTAL	10 070	333 395	100	15	9 356	301 069	100	14
Municipality								
Stockholm	1 836	55 066	17	16	1 713	50 018	17	18
Göteborg	844	19 704	6	12	811	18 266	6	14
Malmö	603	13 847	4	17	567	12 679	4	9
Other municipalities	6 787	244 778	73	15	6 265	220 106	73	14
TOTAL	10 070	333 395	100	15	9 356	301 069	100	14

1) From 1998 all the municipalities (except Mullsjö and Habo) in the county of Älvsborg, Skaraborg along with the county of Gothenburg- and Bohus have formed a new county with the name the county of Västra Götaland. The municipalities Mullsjö and Habo are found in the county of Jönköping from 1998. For the years 1990 and 1997 the accountancy is however made according to the former county division.

2) The county of Skåne is from 1997 a union of the county of Kristianstad and Malmöhus.

Table 11 (continues)

Foreign owned enterprises and employees by county and municipality 1990

County / Municipality	1990			
	Number of establishments	Number of employees	Share of employees (%)	Share of employees in the business-sector (%)
County				
01 Stockholm	1 665	54 626	27	10
14 Västra Götaland ¹⁾	739	18 596	9	8
12 Skåne ²⁾	762	25 045	12	12
19 Västmanland	187	14 807	7	20
05 Östergötland	193	11 684	6	11
17 Värmland	128	7 560	4	11
20 Dalarna	110	4 736	2	6
06 Jönköping ¹⁾	177	5 856	3	7
18 Örebro	146	4 246	2	6
08 Kalmar	74	4 459	2	7
22 Västernorrland	214	5 382	3	8
04 Södermanland	102	6 267	3	10
10 Blekinge	47	2 769	1	7
07 Kronoberg	93	5 355	3	10
03 Uppsala	92	2 528	1	5
13 Halland	120	3 774	2	7
21 Gävleborg	118	3 734	2	5
24 Västerbotten	136	2 433	1	4
25 Norrbotten	108	1 479	1	2
23 Jämtland	41	492	0	2
09 Gotland	14	197	0	2
15 Älvsborg	175	7 612	4	7
16 Skaraborg	89	6 405	3	9
11 Kristianstad	104	3 709	2	6
TOTAL	5 633	203 752	100	9
Municipality				
Stockholm	1 158	27 714	14	8
Gothenburg	604	11 166	5	7
Malmö	424	9 109	4	10
Other municipalities	3 447	155 763	76	9
TOTAL	5 633	203 752	100	9

1) From 1998 all the municipalities (except Mullsjö and Habo) in the county of Älvsborg, Skaraborg along with the county of Gothenburg- and Bohus have formed a new county with the name the county of Västra Götaland. The municipalities Mullsjö and Habo are found in the county of Jönköping from 1998. For the years 1990 and 1997 the accountancy is however made according to the former county division.

2) The county of Skåne is from 1997 a union of the county of Kristianstad and Malmöhus.

Facts on Survey

This section presents the methodological and quality aspects of the survey. The survey is described in respect to the scope, method of selection, some important definitions, sources, publication and quality.

Background and Objective

Reports on foreign-owned enterprises have been published in statistical reports since 1987. Starting in 1994, the category 'Foreign-owned enterprises' was included in the statistical specification 'International business', with NUTEK as the responsible government authority. In connection with this the scope of the report was broadened.

As of 1st January, 2001, the Swedish Institute for Growth Policy Studies, **ITPS** is responsible government authority for official statistics on International business. The surveys include foreign owned enterprises in Sweden, Swedish enterprise groups having subsidiaries abroad and the structure of the total business sector according to the degree of internationalisation.

The Swedish private business sector is to a large and increasing degree internationalised. Since the end of the 1980's, the term 'globalisation' has been used to describe the process of new and more complex relationships between trade and direct investment, as well as the increased interdependence between a company's, or companies', activities in different countries. The aim of these statistical reports on foreign-owned enterprises is mainly to examine and analyse the extent and changes in foreign ownership over time.

Extent of survey

The survey is directed towards all companies that according to our records or via other sources fit the definition of foreign-owned enterprises described below. The survey of foreign-owned enterprises is voluntary. Records of foreign-owned enterprises are available from the year 1980 onwards.

The survey contained questions about the country of origin of a foreign-owned enterprise and the ownership shares of both direct investors as that of the parent company. The home nation of the parent company determined which country a foreign-owned enterprise belonged. In this Statistical Report only operating enterprises are analysed, i.e. enterprises that are

registered at the Swedish Patent and Registration Office and at the Tax-authority. An operating enterprise should also be registered as employer or for VAT. There are also questions about mode of market entry. Number of employees is based on the Business Register at Statistics Sweden. If there is no information about the country of origin of an enterprise the enterprise in question is classed as 'unspecified country'.

What is a foreign-owned enterprise?

By 'foreign-owned' it is meant those enterprises where more than half of the voting rights are held by one foreign owner, which is the definition used by the OECD. This means that in those enterprises where up to 50 per cent of voting rights are held by non-Swedes are still considered Swedish enterprises. There can be a large difference between the ownership of a number of shares in a company and the possibility to influence the business activities of a company that has more than one shareholder. A foreign investor with more than 50 per cent of the voting rights in an enterprise has an undeniably powerful influence over the business activities of an enterprise. In those cases where the share of the voting rights is smaller it is more difficult to judge how strong the influence of that particular shareholder is or actually carries out in practice.

Before 1996, the accounts of the airline company SAS were rendered entirely in Denmark. Since SAS is a Scandinavian company and the three governments in Denmark, Norway and Sweden each have equal say in the business activities of the company the home nation of SAS has been redefined. One third of the employees and number of companies are accounted for in Norway and another third in Denmark. The accounts of the remaining third are rendered in Sweden and thus are not included in the statistics covering foreign-owned enterprises. Adjustments have been made for the year 1990 in this Statistical Report.

Statistical units

In most of the tables the enterprises themselves are used as accounting units. This is not valid for the regional tables, where the establishment (actual place of work) is the accounting unit. Thus, the totals for each industry in the regional tables are not the same as those where actual enterprises are used as the accounting units. In the survey, the branches of foreign-owned enterprises are also included. This accounts for around 7 per cent of all enterprises, but only 2 per cent of all employees in foreign-owned enterprises.

The Survey

This annual survey covers all foreign-owned enterprises since 1996. All foreign-owned enterprises that have been recorded have been surveyed. Up to and including 1995, the ownership of foreign-owned enterprises is updated via intermittent surveys, which are sent out to just under half of the enterprises in the records, as well as all new entries.

From the reference year, 1996, surveys were sent out to both the Swedish parent companies, which also supplies information about subsidiaries in Sweden, as well as the subsidiaries themselves. The branch offices received a simplified questionnaire.

Records about the number of employees in 1998 encompass all enterprises and subsidiaries and are gathered from the records of Statistics Sweden's Business Register.

In recent years, attempts have been made to improve the coverage of foreign-owned enterprises. By checking against the list of enterprises registered at the enterprise group register at MM Partner as well as other sources (e.g. newspapers and various databases) new information about foreign-owned enterprises can be gathered. Those companies that are added to the survey need not be *new* foreign-owned enterprises – they could have been foreign-owned previously, but were not recorded as such. Thus, an increase in the number of foreign-owned enterprises in a certain year is not only the result of acquisition or a greenfield investment.

Quality

The results of a statistical survey are affected by a number of erroneous sources, such as unfilled forms/questions, errors in sample surveys, an under or overcoverage as well as various errors in measurement.

Non-response

Those that did not fill out a survey are recorded as 'non-response'. In the most recent survey, 85 per cent of the parent companies, 82 per cent of the subsidiaries and 83 per cent of the branch offices returned acceptable forms. The percentage of non-response on the basic questions about ownership was between 15-18 per cent. For those enterprises that did not fill out the form this year but were included in

the survey previous year, these records were used in this statistical survey. For other enterprises records have been updated using annual accounts or by direct contact with the enterprise.

In the survey for 1998, there are 742 new entries into the survey of which 20 started operations in 1998 and are therefore recorded as foreign-owned operating enterprises. However, in the same survey 476 enterprises have left the survey. Of these, 350 have become non-operating and the rest are no longer foreign-owned. The net increase corresponded to 266 enterprises.

Of the new additions, 31 per cent have become foreign-owned by acquisition and 15 per cent are greenfield investment. 4 per cent of the new additions became foreign-owned in other ways. The percentage of non-response to this question was 50 per cent.

Random errors

Since this survey encompasses all foreign-owned enterprises there are no random errors.

Undercoverage and overcoverage

Undercoverage means that enterprises that should have been included in the population are missing whereas overcoverage is the opposite. Undercoverage thus arises when foreign-owned enterprises that should have been in our list of foreign-owned enterprises are not there. Undercoverage is difficult to measure since changed ownership structures are no longer registered at any authority. Records about new enterprises are thus based on information from a variety of public sources.

Overcoverage is when enterprises are listed as being foreign-owned, but are not in practice. This mainly concerns enterprises that were previously foreign-owned, but have been acquired by domestic investors. A certain amount of overcoverage can arise due to the non-answering of the survey forms. However, this has only a very small impact on the final result.

Definitions

Statistical unit = Enterprise or Establishment

Number of employees = Number of persons employed at the end of the year, i.e not the full time equivalent during the financial year.

Country of origin = UBO (Ultimate beneficiary owner)

List of Activities

The classification by activities has been made according to the Swedish Standard Classification of Economic Activities (SNI) which is based on the statistical classification of economic activities in the European Union, NACE Rev.1.

01-05,40-41	Agriculture, forestry, fishing, electricity, gas and water supply	34	Manufacture of motor vehicles, trailers and semi-trailers
10-37	Mining, quarrying and manufacturing	35	Manufacture of other transport equipments
10-14	Mining and quarrying	36-37	Other manufacturing industry
15-16	Manufacture of food, beverage and tobacco	36.1	Manufacture of furniture
15	Manufacture of food and beverages	33.20	Man. of instr. and appliances for measuring, checking, testing, navigating and other purposes, except ind. process control equipment
15.1-15.6	Processing and preserving of meat, fish, vegetable and animal oils, dairy and grain mill		Construction
15.8	Manufacture of other food products	45	Service sector
17-19	Textile, wearing apparel and leather industries	50-99	Sales and maintenance of motor vehicles, retail sale of fuel
17.4	Manufacture of made-up textile articles	50	Wholesale trade and commission trade except of motor vehicles
17.5	Manufacture of other textiles	51	Wholesale of electrical household appliances and radio and television goods
20	Manufacture of wood and wood products		Wholesale of pharmaceutical goods
21	Manufacture of pulp, paper and paper prod.	51.43	Wholesale of other household goods
22	Manufacture of publishing, printing and reproducing industries	51.46	Wholesale of solid, liquid and gaseous fuels and related products
23-25	Manufacture of chemicals and petroleum products, rubber and plastic industries	51.47	Wholesale of wood, construction materials and sanitary equipment
23.2	Manufacture of refined petroleum products	51.51	Wholesale of office machinery and equipment
24	Manufacture of chemicals and chemical products	51.53	Wholesale of other machinery for use in industry, trade and navigation
24.1-24.3	Manufacture of basic chemicals, pesticides, paints, varnishes and similar coatings, printing ink and mastics	51.64	Retail trade
		51.65	Hotels and restaurants
24.41-24.42	Manufacture of pharmaceutical products and preparations	52	Land, sea and air transportation
		55	Travel agencies, forwarding agencies, post and telecommunications
25	Manufacture of rubber and plastic products	60-62	Supporting and auxiliary transport activities, activities of travel agencies
26	Manufacture of other non-metallic mineral products	63-64	Telecommunications
27	Basic metal industries	63.1-63.4	Financial intermediation
28-35	Manufacture of fabricated products, machinery and equipment	64.20	Real estate activities
		65-67	Renting companies, dataconsultancy
28	Manufacture of fabricated metal products except machinery and equipment	70	Renting of office machinery and equipment including computers
29	Manufacture of machinery and equipment	71-72	Hardware consultancy
30-33	Manufacture of electrical and optical equip.	71.33	Software consultancy and supply
30	Manufacture of office machinery and computers	72.10	Data processing
30.01	Manufacture of office machinery	72.20	Data base activities
30.02	Manufacture of computers and other information processing equipment	72.30	Maintenance and repair of office, accounting and computing machinery
		72.40	Other computer related activities
31	Manufacture of electrical machinery and apparatus n.e.c	72.50	Research and development, other business activities
31.30	Manufacture of insulated wire and cable	72.60	Law and business consultancy firms, holding companies
32	Manufacture of radio, television and communication equipment and apparatus	73-74	Architectural and engineering activities, technical testing and analysis
32.10	Manufacture of electronic valves and tubes and other electronic components	74.11-74.15	Advertising
32.20	Manufacture of television and radio transm. and app. for line telephony and telegraphy	74.2-74.3	Industrial cleaning
32.30	Man. of TV and radio receivers, sound or video rec. or reprodu. app. and ass. goods	74.4	Other business activities n.e.c
		74.7	Other service activities
33	Manufacture of medical, precision and optical instruments, watches and clocks	74.8	
		75-99	
33.30	Manufacture of industrial process control equipment		