

**THE ARTHRITIS SOCIETY - CONSULTATION & THERAPY SERVICE (CTS)**  
**1992 - 1993 ANNUAL SUMMARY OF CLIENTS AND REFERRALS**

**Prepared by Marlene Stephens**

## TABLE OF CONTENTS

1. Introduction .....	1
2. Data Collection and Analysis .....	1
3. Results: .....	1
3a. Clients .....	2
3b. Referrals .....	4
Tables:	
1.0 Service Area .....	7
Client Analysis:	
1.1 Client Locations .....	7
1.2 Sex .....	8
1.3 Age Group .....	8
1.4 Age .....	9
1.5 Marital Status .....	9
1.6 Education Level .....	9
1.7 Primary Language .....	10
1.8 Household Size .....	10
1.9 Employment Status .....	11
1.10 Reasons for Not working .....	11
1.11 Diagnosis - All Clients .....	12
1.12 Diagnosis - Adults .....	13
1.13 Diagnosis - Children .....	14
1.14 Disease Duration (groups) .....	15
1.15 Disease Duration (years) .....	15
1.16 Joint Replacement .....	15
1.17 Type of Joint Replacement .....	15
1.18 Number of Concurrent Conditions .....	16
1.19 Types of Concurrent Conditions .....	16
Referral Analysis	
2.1 Service Type .....	17
2.2 Group Type .....	17
2.3 Referral Source .....	18
2.4 Internal Referral Source .....	18
2.5 Referring Physician Type .....	18
2.6 Diagnosis - All Referrals .....	19
2.7 Diagnosis - Referrals for Adults .....	20
2.8 Diagnosis - Referrals for Children .....	21
2.9 Disease Duration (groups) .....	22
2.10 Disease Duration (years) .....	22
2.11 Wait Time (weeks)- All Referrals .....	23
2.12 Wait Time (weeks)- External Referrals .....	23
2.13 Wait Time (weeks)- Internal Referrals .....	23
2.14 Total Attendance .....	24
2.15 Homecare Service .....	24
2.16 Homecare Attendance .....	24
Appendices:	
A Map of Service Areas .....	25
B Case Data Form .....	26
C Classification of Concurrent Conditions .....	27

## 1. Introduction

The Consultation and Therapy Service of The Arthritis Society (Ontario Division) provides rehabilitation services to adults and children with rheumatic diseases. Services are provided on both an individual and group basis. Service providers include physiotherapists, occupational therapists, and social workers.

This report summarizes client, referral and service data for the fiscal period April 1/92 to March 31/93. At that time, clients required a referral from a physician and service delivery was organized according to four geographical areas. These service areas were designated: 'East' (A); 'Central' (B); 'South West' (D); and 'North' (E) (see Appendix A).

## 2. Data Collection and Analysis

Information regarding clients, referrals and services was recorded by CTS staff on Case Data Forms (see Appendix B). One form was completed for each service provided; thus, if a client received two types of service, there would be two forms. Similarly, if a person was referred for the same type of service several times, that client would have a new Case Data Form (CDF) completed each time (s)he was referred.

Information was recorded when the case was opened and when it was closed. 'Opening' and 'closing' copies of the CDFs were sent to the CTS head office once a month. At this location, the information was entered into a computer file using dBase IV. Each record in this data base contains all the information on one CDF, i.e. the client's demographic and disease characteristics; date and source of referral, and details about type, amount, and provider of CTS service.

Analysis of the data was carried out by staff of the Arthritis Community Research & Evaluation Unit (ACREU). ACREU is a

research partner of CTS. SPSS, a statistical software program, was used for the analysis.

Two units of analysis were used: i) client and ii) referral, and the results are presented accordingly.

## 3. Results

The results presented in this report are for all referrals to CTS in which the first day of service occurred during the period, April 1/92 to March 31/93.

Note that Table 1.0 is the only table that includes results for both clients and referrals. For the remainder of the analyses, data pertaining to clients and referrals are presented separately. Client summaries are found in Tables 1.1 to 1.19, and referral summaries in Tables 2.1 to 2.16. For each of these analyses, the information is summarized as a 'Total' (i.e. all cases throughout the province) and as four subgroups which represent the four CTS service areas.

Note that in most of the tables the number of cases (n) is provided for the Total analysis but not for the areas; however, this information is available upon request. Also, all percentages in the report are for valid cases only, i.e. cases with missing data are excluded. However, the number (n) of missing cases is shown at the bottom of the table in order to identify data collection problems and to assist in the interpretation of results.

Table 1.0 is a summary of the number of clients and referrals grouped according to **service area**. A total of 4,733 **clients** were referred to CTS and began receiving service during the 1992-93 period.

It is important to note that this total does **not** include clients who were receiving service during this time, but whose case was opened prior to April 1/92.

The total number of **referrals** for the 1992-93 period was 5,369; thus some of the clients were referred for more than one type of service or were referred for a specific service more than once.

Factors influencing the geographic variation in numbers of clients and referrals include availability of CTS staff and programs in a particular area, as well as referral patterns and locations of physicians.

### 3a. Clients

#### Residential Locations

Table 1.1 lists the main cities and towns where CTS clients were residing. Those marked with an asterisk are designated as rural according to postal code criteria. Only locations with ten or more clients are included.

#### Demographic Characteristics

Demographic summaries are found in Tables 1.2 to 1.10.

The data in Table 1.2 indicate that CTS clients were predominately **female** and the proportion of **males** was highest in area A.

Data regarding **age** (Tables 1.3 & 1.4) show that clients tended to be middle aged or older with 73.1% age 45 or older and 40.3% in the age 65 or older group. The mean was 56.4 years and there was a large range in ages from 16 months to 96 years. Note that decimals are used for the minimum age in Table 1.4 as ages less than 2 years were recorded in months.

There was little regional variation in the age mean and range; however, the more detailed age group analysis shows some area differences. Area B had a relatively high proportion of clients under age 18; this finding may reflect the availability of pediatric rheumatologists in this region. Area D had the highest percent of elderly clients.

Note in Tables 1.5 & 1.6 that the analysis was restricted to adult clients (age 18 and over). For **marital status**, the relatively high proportion in the widowed group reflects the fact that CTS clients were disproportionately female and elderly compared to the general population. Area A, which had the lowest percentage of widowed, also had the lowest percentages of females and people age 75 or older.

The relatively older age of CTS clients is also a factor regarding **education level** (Table 1.6); 15.5% of adult clients were in the 'elementary or less' category and close to half had not completed high school. Also note in Table 1.6 that there was a considerable number of clients for whom education information was missing; either the staff did not ask the client or the client refused to supply the information.

Individuals whose **primary language** (Table 1.7) is one other than English or French represented 9.9% of CTS clients. As evidenced in the area comparisons, area B had the highest proportion (19.7%) of these individuals. This is not surprising considering that many of area B's clients were residing in metropolitan Toronto, a city with a multiculturally diverse population. Also not unexpected is the finding that Francophone clients were residing mainly in the 'North' (E) or the 'East' (A) regions of the province.

**Household size** information, presented in Table 1.8, indicates that 25.1% of clients were living alone and area D had the highest proportion of this group. Information regarding living arrangements is useful to service providers considering that clients with musculoskeletal diseases may experience disability and require assistance.

It must be noted that the data in this table may involve bias regarding clients who are not living in a private dwelling; for example, residents of a senior's facility. It is not known how CTS staff were recording this

information. It is possible that these cases are among those designated as missing data.

Tables 1.9 & 1.10 summarize **employment** data for clients age 18 to 64. Note that individuals working full or part time have been grouped together. This was necessary due to a limitation of the CDF. It contained a category, 'self-employed', and for those clients no information was collected regarding full or part-time status.

Close to two-thirds of clients in this age group were not working at the time they received service. There was regional variation with area B having the highest proportion of clients unemployed. **Reasons for not working** are shown in Table 1.10. Percentages are not used because individuals could give more than one reason. Of interest, are the number of clients who were unemployed due to health problems; 528 individuals stated that they were on either sickleave or short or long term disability.

### **Disease Characteristics**

Summaries of disease related information are found in Tables 1.11 to 1.19.

**Primary diagnosis** data for clients of all ages are shown in Table 1.11. Then the data for adults and children are presented separately in Tables 1.12 & 1.13. It is important to interpret Table 1.11 with caution regarding the numbers for rheumatoid and juvenile arthritis. The data in the table represent the diagnostic codes that were recorded on the CDFs; however, analysis revealed inconsistencies regarding how individuals were classified. Some clients in the RA category were children and some clients with JA were adults with juvenile onset; similarly, some adults coded as RA on the CDF also had their disease onset in childhood.

Table 1.11 shows that CTS was serving

clients with a broad range of diseases; however, the majority of clients, more than 60%, had either rheumatoid or osteoarthritis and another 10% had fibrositis or fibromyalgia. Regional differences are notable regarding the top four conditions, specifically the high proportion of RA in area E; the predominance of OA over RA in area D; and in area B, the low proportion of primary OA and the higher proportion of fibrositis/ fibromyalgia. The data also indicate that area A had higher proportions of clients, compared to the other regions, regarding both ankylosing spondylitis and other non articular rheumatism.

The summary of **adults' diagnostic categories**, Table 1.12, shows a similar pattern to that of Table 1.11. Note that cases of pauciarticular and polyarticular onset JA have been combined, and as explained above, some clients with juvenile onset were found in the RA category. Table 1.13, **children's diagnostic categories**, indicates that more than half of these clients had polyarticular or pauciarticular onset JA. Regional differences should be interpreted with caution due to the small number of cases.

Data for **disease duration** are presented in Tables 1.14 & 1.15. This information may involve some inaccuracies as duration was self-reported by the client, and clients may use different criteria regarding time of onset (e.g. first symptoms or physician diagnosis). Of interest, is the number of clients referred to CTS with a relatively short disease duration; 22.2% had a duration of one year or less. Also, the 'Total' figures show considerable variability regarding disease duration.

Tables 1.16 & 1.17 pertain to **joint replacements**. The reported number of clients with joint replacements was small; however, this group may be somewhat under-represented. Joint replacement information may not have been obtained or recorded by CTS staff if it was considered

irrelevant at the time they were providing service. No area comparison is provided for **type of joint replacement** due to the small number of cases. And percentages are excluded in this table because some clients had had more than one replacement, either of the same or different type.

Additional health status information was collected regarding concurrent conditions; up to three other health problems were recorded on the CDF. These data should be interpreted with caution as this information was self-reported by clients, and also, staff may not have recorded a condition if it was not considered pertinent to provision of CTS services.

A summary of the reported number of **concurrent conditions** is found in Table 1.18. Note that these percentages cannot be summed as the two bottom categories are included in the top one ('at least one other'). The finding that more than a third of all CTS clients reported at least one other health problem, besides the one for which they were referred, is not surprising considering that 40% of clients were age 65 or older.

Information about **types of concurrent conditions** is presented in Table 1.19. Percentages are not used because individuals could report more than one condition. The data shown are the number of individuals who reported one or more health problems in a particular category. Note that the specific disease listed on the CDF was coded using the classification scheme shown in Appendix C (e.g. diabetes was coded as 'metabolic/ nutritional/ endocrine'). This scheme is based on one Statistics Canada developed by modifying the ICD-9 coding system (International Classification of Diseases).

### 3 b. Referrals

Summaries of referral and service information are found in Tables 2.1 to 2.16.

Data pertaining to **types of service** are presented in Tables 2.1 & 2.2. A large majority of referrals, 93%, were for a service received on an individual basis. The service clients were referred for most frequently was physiotherapy. Of services provided in a group setting, hydrotherapy was the predominate type. The low number of referrals for the other group services is due to the fact that these groups were relatively new programs. A major factor in the substantial regional variation was the level of availability of specific types of service; for example, there were no CTS social workers located in area E ('North'). Additional factors were referral patterns of physicians and availability of rheumatologists in a given area.

**Referral source** information is summarized in Tables 2.3 & 2.4. 'Regular', 'Homecare', and 'clinic' are considered as 'external' sources; 'internal' sources are CTS staff. Examples of the latter type are an occupational therapist referring a client she was treating to a social worker, or a social worker who was providing service to an individual, referring that person to a CTS support group.

As Table 2.3 shows, the majority of referrals for CTS service came from physicians who had seen a patient in their office ('regular'). Note the area differences regarding referrals from Homecare, which is a community-based agency, and also clinic referrals. The relatively high proportion of clinic referrals in area E ('North') reflects the fact that rheumatologists whose practices were located in other parts of the province, travelled to this area to provide clinics.

The data regarding 'internal' referrals (see Table 2.4), with the highest proportion coming from physiotherapists, reflect the

staff profile of the CTS. Staffing allocation also contributed to the regional differences seen in this table.

In Table 2.5, **physician type**, the data pertain only to 'external' sources of referral. While the majority of these referrals, close to two thirds, came from rheumatologists, and almost a third from family practitioners, these proportions varied substantially across areas. While location of physicians' practices is a factor, another is the referral pattern of particular physicians.

Tables 2.6 to 2.8 list frequencies of referrals according to **diagnosis** of client. In interpreting these data, refer to the cautionary note, found in the 'clients' results section, regarding RA and juvenile arthritis. Summaries of diagnostic categories, using referral as the unit of analysis, are included in order to ascertain if the frequency distributions are similar or different as compared with the analysis using the individual client as the unit of analysis. Comparisons of the percentages in all three diagnostic tables pertaining to referrals (2.6 to 2.8) with those found in the client tables (1.11 to 1.13) indicate minimal differences.

Similarly, the data shown in Tables 2.9 & 2.10 for **disease duration**, based on referrals, show distribution patterns that are comparable to the same analysis for clients.

Information regarding the time interval between the date the referral is made and the date the client first receives service, known as the **wait time**, is presented in Tables 2.11 to 2.13. Table 2.11, which is the summary for referrals from all sources, shows a 'Total' mean wait time of close to 5 weeks. According to the area comparisons, area B had the longest average wait period and area E the shortest. The broad range in wait time from 0 (same day) to 76.4 weeks must be interpreted with caution. Very long wait periods could be due to the fact that a client was not available when CTS staff was able to provide service. For 4.7% of

referrals, wait time was 0, and for 75%, it was 6 weeks or less.

The data in Table 2.12, which is restricted to referrals from 'external' sources ('regular', 'Homecare', & 'clinic'), are very similar to that in Table 2.11. This is expected because 'external' cases represent 96.5% of all referrals. However, when 'internal' referrals, i.e. those made by CTS staff, were analyzed separately (see Table 2.13), a longer mean wait time (over 7 weeks) and a narrower range (maximum wait is 38 weeks) were found for this group. Area differences were still apparent with area E having the shortest wait period and area D, the longest.

Information regarding the number of times service was provided per referral is shown in Tables 2.14 & 2.16. This is referred to as 'attendance'. Additional relevant information pertains to whether or not the referral was for an individual who was also a Homecare client (see Table 2.15). CTS service visits made under the auspices of Homecare were recorded separately; however, these attendances are also subsumed under the 'Total Attendance'.

It is important to note that the data in these three tables are only available when the case is closed (i.e. the service has been completed); thus the information presented in the tables is restricted to the number of cases that were closed by the time the data were analyzed. Of the 5,369 referrals for service in this annual period, 5,038 cases were available for attendance analysis.

**Total Attendance** results are shown in Table 2.14. The mean number of attendances per referral was 4.61, and the number of attendances ranged from a single contact to 66. The mean number of attendances was similar for three areas, with area A being the exception in that it was higher. Area D was the lowest in terms of the maximum number of attendances.

As shown in Table 2.15, a small proportion

of referrals (5.2%) were for individuals who were seen under **Homecare**, and Area D had a very small proportion compared to the other regions.

A separate analysis of the 264 referrals made for Homecare clients is shown in Table 2.16. It is evident that the mean number of **Homecare attendances (6.33)** was higher than the mean for all attendances (4.61 in Table 2.14). Area variation in Homecare attendance is shown in both the means and the ranges in Table 2.16.



**Table 1.0 Service Area**

	CLIENTS		REFERRALS	
	n	%	n	%
Area A	1300	27.5	1374	25.6
Area B	1213	25.6	1580	29.4
Area D	1535	32.4	1691	31.5
Area E	685	14.5	724	13.5
<b>Total</b>	<b>4733</b>	<b>100.0</b>	<b>5369</b>	<b>100.0</b>

**Table 1.1 Client Locations**

	Area A		Area B
	n		n
Ottawa	305	Metro Toronto	520
Kingston	217	Hamilton	182
Peterborough	156	Mississauga	77
Belleville	50	Brampton/Bramalea	65
Trenton	25	Burlington	49
Carleton Place	17	St. Catharines/Thorold	36
Cornwall	17	Oakville	24
Napanee	16	Thornhill	22
Brockville	15	Stoney Creek	20
Pembroke	14	Markham/Unionville	18
Cobourg	12	Barrie	17
Lindsay	12	Brantford	16
Picton*	12	Richmond Hill	13
Smiths Falls	12	Niagara Falls	12
Arnprior	10	Welland	12
Gananoque	10	Woodbridge	12
Hastings*	10		
Lakefield*	10		
Perth	10		

**Table 1.1 Client Locations (continued)**

Area D		Area E	
	n		n
London	615	Sudbury	103
Kitchener/Waterloo	164	Sault St. Marie	78
Cambridge	65	Thunder Bay	64
Chatham	56	Timmins	60
Windsor	53	North Bay	48
Guelph	49	Huntsville*	30
Woodstock	45	Kenora	25
St. Thomas	28	Parry Sound	14
Owen Sound	25	Hanmer/Val Therese	13
Stratford	23	Midland	12
Tillsonburg	20	Chelmsford*	10
Ingersoll	18	Gravenhurst	10
Blenheim*	10	Kapuskasing	10
New Hamburg*	10		

**Table 1.2 Sex**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
female	3795	80.2	74.4	82.9	82.8	80.6
male	938	19.8	25.6	17.1	17.2	19.4

**Table 1.3 Age Group**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
under 18	225	4.8	3.2	10.5	1.9	4.1
18 - 29	239	5.0	5.8	4.7	4.8	4.8
30 - 44	809	17.1	15.6	15.9	18.4	19.1
45 - 64	1552	32.8	37.5	30.3	30.7	33.1
65 - 74	1009	21.3	23.4	18.8	21.2	22.2
75 & over	899	19.0	14.6	19.9	23.1	16.6

**Table 1.4 Age**

	<b>TOTAL</b>	<b>AREA A</b>	<b>AREA B</b>	<b>AREA D</b>	<b>AREA E</b>
mean	56.4	56.1	53.9	58.8	56.0
range	1.3 - 96	1.5 - 91	1.3 - 96	1.6 - 95	1.4 - 92

**Table 1.5 Marital Status (age 18 and over)**

	<b>TOTAL</b>		<b>AREA A</b>	<b>AREA B</b>	<b>AREA D</b>	<b>AREA E</b>
	<b>n</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
married/common law	2716	60.3	66.7	56.9	56.7	61.9
widowed	991	22.0	17.0	22.4	25.7	22.4
separated/divorced	411	9.1	6.8	10.2	10.0	9.6
never married	387	8.6	9.5	10.5	7.6	6.1
missing (n)	(3)		(1)	(1)	(1)	(0)

**Table 1.6 Education Level (age 18 and over)**

	<b>TOTAL</b>		<b>AREA A</b>	<b>AREA B</b>	<b>AREA D</b>	<b>AREA E</b>
	<b>n</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>	<b>%</b>
elementary or less	662	15.5	9.9	19.3	15.7	19.4
some high school	1331	31.1	34.8	27.6	31.0	30.3
high school grad.	1025	24.0	26.1	23.3	23.9	21.2
some college	307	7.2	5.9	8.0	7.4	7.8
some university	181	4.2	3.7	5.1	4.4	3.4
college grad.	369	8.6	8.4	6.3	9.5	11.0
university grad.	303	7.1	7.4	8.5	6.2	6.1
post graduate	98	2.3	3.8	1.9	1.9	0.8
missing (n)	(232)		(51)	(47)	(95)	(39)

**Table 1.7 Primary Language**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
English	4059	86.1	87.7	79.6	92.6	80.1
French	188	4.0	6.6	0.7	0.8	11.9
Italian	85	1.8	0.5	3.9	1.0	2.2
Portuguese	39	0.8	0.4	2.0	0.7	0.0
German	36	0.8	0.7	1.0	0.8	0.3
Polish	27	0.6	0.3	1.1	0.3	0.7
Chinese	12	0.3	0.2	0.7	0.1	0.0
other language	266	5.6	3.6	11.0	3.6	4.7
missing (n)	(21)		(5)	(8)	(2)	(6)

**Table 1.8 Household Size**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
lives alone	1159	25.1	21.0	24.0	29.9	24.2
with 1 person	1878	40.7	46.9	32.1	41.4	42.2
with 2 people	638	13.8	14.7	15.3	12.3	12.9
with 3 people	581	12.6	11.1	16.1	10.3	14.1
with 4 people	242	5.2	4.0	8.3	4.1	4.7
with 5 or more	120	2.6	2.2	4.1	2.0	2.0
missing (n)	(115)		(26)	(24)	(46)	(19)

**Table 1.9 Employment Status (age 18 - 64)**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
full or part time	939	36.4	44.7	24.7	40.6	29.5
not working	1642	63.6	55.3	75.3	59.4	70.5
missing (n)	(19)		(5)	(1)	(2)	(11)

**Table 1.10 Reasons for Not Working (age 18 - 64)**

	TOTAL
	n
long term disability	413
short term disability	41
sick leave	74
looking for work	57
laidoff	24
homemaker	584
retired	297
student	86
volunteer	22
maternity	4
other reason	205

Table 1.11 Diagnosis - All Clients

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
rheumatoid arthritis	1727	36.5	38.0	39.8	28.7	45.3
OA primary	1008	21.3	23.9	8.2	30.9	18.1
fibrositis/myalgia	480	10.1	7.0	12.9	11.6	8.0
OA secondary	212	4.5	1.8	11.6	1.3	4.2
other diagnosis	178	3.8	2.9	3.0	5.8	2.2
psoriatic arthritis	168	3.6	3.9	3.6	3.4	3.2
anky. spondylitis	140	3.0	5.5	2.6	1.7	1.6
polyarthritis	118	2.5	3.0	2.0	2.4	2.6
degenerative disc	114	2.4	1.5	1.9	3.2	3.2
other nonartic. rheum	112	2.4	4.1	0.2	2.4	2.8
unspecified arthritis	74	1.6	0.9	1.0	2.5	1.6
JA pauciarticular	67	1.4	1.2	3.6	0.3	0.6
SLE systemic	67	1.4	1.3	1.2	1.6	1.8
JA polyarticular	61	1.3	0.8	2.7	0.5	1.3
scleroderma	41	0.9	0.7	1.8	0.4	0.6
polymyaglia rheum.	35	0.7	1.0	0.7	0.7	0.4
osteoporosis	26	0.5	0.5	1.1	0.3	0.3
JA systemic	23	0.5	0.3	0.7	0.5	0.4
arth. - bowel disease	20	0.4	0.2	0.2	0.7	0.4
mixed connective	19	0.4	0.4	0.3	0.3	0.9
polymyositis	13	0.3	0.0	0.6	0.3	0.1
gout	10	0.2	0.3	0.2	0.2	0.1
arthritis - infection	8	0.2	0.3	0.0	0.2	0.1
dermatomyositis	4	0.1	0.2	0.1	0.1	0.0
pseudogout	3	0.1	0.0	0.1	0.1	0.0
SLE discoid	1	0.0	0.0	0.0	0.1	0.0
Lyme	1	0.0	0.1	0.0	0.0	0.0
missing (n)	(3)		(1)	(2)	(0)	(0)

Table 1.12 Diagnosis - Adults (over 16 years)

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
rheumatoid arthritis	1721	38.1	39.2	44.2	28.9	46.7
OA primary	1008	22.3	24.7	9.1	31.4	18.8
fibrositis/myalgia	467	10.3	7.1	13.6	11.8	7.7
OA secondary	212	4.7	1.8	12.8	1.3	4.4
other diagnosis	158	3.5	2.8	2.2	5.6	2.1
psoriatic arthritis	157	3.5	4.0	3.1	3.4	3.2
anky. spondylitis	130	2.9	5.4	2.4	1.7	1.7
polyarthritis	114	2.5	3.1	1.9	2.5	2.6
degenerative disc	114	2.5	1.6	2.1	3.2	3.3
other nonarticular rheum	106	2.3	3.9	0.2	2.5	2.7
unspecified arthritis	66	1.5	0.8	0.7	2.5	1.5
SLE systemic	66	1.5	1.3	1.3	1.5	1.8
scleroderma	37	0.8	0.6	1.8	0.4	0.5
polymyalgia rheum	35	0.8	1.0	0.8	0.7	0.5
osteoporosis	26	0.6	0.6	1.2	0.3	0.3
arth. - bowel disease	19	0.4	0.2	0.3	0.7	0.5
JA pauci or polyarth.	19	0.4	0.4	0.9	0.3	0.0
mixed connective	17	0.4	0.4	0.3	0.2	0.9
polymyositis	13	0.3	0.0	0.6	0.3	0.2
JA systemic	11	0.2	0.2	0.2	0.3	0.5
gout	10	0.2	0.3	0.2	0.2	0.2
arthritis - infection	8	0.2	0.3	0.0	0.2	0.2
pseudogout	3	0.1	0.0	0.1	0.1	0.0
dermatomyositis	2	0.0	0.2	0.0	0.0	0.0
SLE discoid	1	0.0	0.0	0.0	0.1	0.0
Lyme	1	0.0	0.1	0.0	0.0	0.0
missing (n)	(3)		(1)	(2)	(0)	(0)

**Table 1.13 Diagnosis - Children (age 16 and under)**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
JA polyartic or RA	58	27.8	26.3	24.2	33.3	41.7
JA pauciarticular	57	27.3	31.6	30.8	14.8	16.7
other diagnosis	20	9.6	7.9	10.0	14.8	4.2
fibrositis/myalgia	13	6.2	2.6	6.7	0.0	16.7
JA systemic	12	5.7	5.3	5.8	11.1	0.0
psoriatic arthritis	11	5.3	0.0	7.5	3.7	4.2
anky. spondylitis	10	4.8	7.9	5.0	3.7	0.0
unspecified arthritis	8	3.8	5.3	3.3	3.7	4.2
other nonartic rheum	6	2.9	10.5	0.8	0.0	4.2
polyarthritis	4	1.9	0.0	2.5	0.0	4.2
scleroderma	4	1.9	2.6	1.7	0.0	4.2
dermatomyositis	2	1.0	0.0	0.8	3.7	0.0
mixed connective	2	1.0	0.0	0.8	3.7	0.0
arth. - bowel disease	1	0.5	0.0	0.0	3.7	0.0
SLE systemic	1	0.5	0.0	0.0	3.7	0.0
missing (n)	(0)		(0)	(0)	(0)	(0)



**Table 1.14 Disease Duration (groups)**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
less than 1 year	490	10.5	8.7	9.3	12.5	11.6
1 year	546	11.7	13.8	10.8	11.1	10.7
2-5 years	1244	26.7	27.7	27.4	26.9	23.2
6-10 years	1011	21.7	20.3	20.3	24.3	20.7
more than 10 years	1373	29.4	29.5	32.2	25.2	33.9
missing (n)	(69)		(27)	(16)	(23)	(3)

**Table 1.15 Disease Duration (years)**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	9.48	9.44	10.16	8.51	10.52
range	0.03 -73	0.08-73	0.08-70	0.03-70	0.04-68
missing (n)	(69)	(27)	(16)	(23)	(3)

**Table 1.16 Joint Replacement**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
no	4660	98.5	98.8	98.7	98.0	98.5
yes	73	1.5	1.2	1.3	2.0	1.5

**Table 1.17 Type of Joint Replacement**

	TOTAL n
hip	43
knee	25
shoulder	2
elbow	3
hand/wrist	1
other joint	6

**Table 1.18 Number of Concurrent Conditions**

	TOTAL	AREA A	AREA B	AREA D	AREA E
	%	%	%	%	%
at least one other	39.4	31.3	44.7	43.3	37.1
2 or more	9.5	7.5	12.4	8.6	10.2
3 or more	2.8	1.5	3.7	3.0	3.4

**Table 1.19 Types of Concurrent Conditions**

	TOTAL	AREA A	AREA B	AREA D	AREA E
	n	n	n	n	n
no other condition	2866	893	671	871	431
other arth/rheum.	387	58	99	203	27
stroke/circul/vascul.	378	82	113	115	68
metabol/endocr/nutri.	283	60	101	86	36
heart	268	62	98	72	36
digestive	185	45	55	36	49
other condition	169	55	40	61	13
respiratory	149	33	47	34	35
other MSD	107	21	24	57	5
back/neck	100	20	20	50	10
skin/allergies	98	20	23	32	23
sensory	88	17	35	18	18
nervous system	70	18	26	19	7
neoplasms	49	10	21	14	4
urinary/kidney	42	7	19	10	6
injuries/trauma	10	5	1	2	2

**Table 2.1 Service Type**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
PT	3865	72.0	81.7	56.5	81.7	64.9
OT	894	16.7	8.6	29.2	8.2	24.3
social work	236	4.4	1.7	9.6	3.5	0.0
hydro groups	302	5.6	8.0	3.0	5.0	8.3
other groups	72	1.3	0.0	1.6	1.7	2.5

**Table 2.2 Group Type**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
hydro	302	80.7	100.0	64.9	75.0	76.9
disease specific	29	7.8	0.0	1.4	25.0	0.0
education	18	4.8	0.0	0.0	0.0	23.1
support	18	4.8	0.0	24.3	0.0	0.0
relaxation	7	1.9	0.0	9.5	0.0	0.0

**Table 2.3 Referral Source**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
regular	4591	85.6	86.2	82.2	95.0	69.8
Homecare	295	5.5	7.4	5.3	1.9	10.8
clinic	292	5.4	3.6	6.1	0.6	18.8
internal referral	186	3.5	2.8	6.4	2.5	0.6
missing (n)	(5)		(1)	(1)	(1)	(2)

**Table 2.4 Internal Referral Source**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
PT	132	71.0	89.5	57.4	83.7	100
OT	31	16.7	7.9	23.8	9.3	0.0
social work	23	12.4	2.6	18.8	7.0	0.0

**Table 2.5 Referring Physician Type**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
rheumatologist	3358	64.9	75.7	78.1	53.5	44.0
GP	1590	30.7	21.1	17.5	42.7	48.6
orthopedic	80	1.5	1.9	1.4	1.0	2.5
internist	69	1.3	0.3	1.1	1.3	3.9
other specialist	76	1.5	1.0	2.0	1.6	1.0
missing (n)	(5)		(0)	(0)	(5)	(0)

**Table 2.6 Diagnosis - All Referrals**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
rheumatoid arthritis	2044	38.1	39.8	42.7	29.2	45.6
OA primary	1086	20.2	23.1	8.6	29.8	18.0
fibrositis/myalgia	547	10.2	6.7	12.0	12.3	7.9
OA secondary	237	4.4	1.7	10.3	1.2	4.3
other diagnosis	194	3.6	2.8	2.7	5.7	2.1
psoriatic arthritis	189	3.5	3.9	3.6	3.4	3.2
anky. spondylitis	150	2.8	5.3	2.2	1.8	1.5
polyarthritis	134	2.5	3.0	2.0	2.5	2.6
degenerative disc	117	2.2	1.5	1.5	3.0	3.0
other nonarticular rheum	115	2.1	3.9	0.2	2.3	2.8
SLE systemic	85	1.6	1.2	1.4	1.8	2.1
unspecified arthritis	81	1.5	0.9	1.0	2.5	1.5
JA pauciarticular	78	1.5	1.4	3.2	0.3	0.6
JA polyarticular	74	1.4	0.8	2.7	0.6	1.4
scleroderma	53	1.0	0.7	2.1	0.4	0.6
polymyalgia rheum.	39	0.7	1.0	0.6	0.7	0.6
osteoporosis	29	0.5	0.5	1.0	0.2	0.3
JA systemic	27	0.5	0.4	0.6	0.4	0.6
mixed connective	22	0.4	0.4	0.4	0.2	0.8
arth. - bowel disease	20	0.4	0.2	0.2	0.7	0.4
polymyositis	14	0.3	0.0	0.5	0.3	0.1
gout	11	0.2	0.3	0.2	0.2	0.1
arthritis - infection	8	0.1	0.3	0.0	0.2	0.1
dermatomyositis	6	0.1	0.1	0.2	0.1	0.0
pseudogout	3	0.1	0.0	0.1	0.1	0.0
SLE discoid	1	0.0	0.0	0.0	0.1	0.0
Lyme	1	0.0	0.1	0.0	0.0	0.0
missing (n)	(4)		(1)	(3)	(0)	(0)

**Table 2.7 Diagnosis - Referrals for Adults (over 16 years)**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
rheumatoid arthritis	2038	39.7	41.0	46.7	29.4	47.1
OA primary	1086	21.2	23.8	9.4	30.3	18.6
fibrositis/myalgia	534	10.4	6.8	12.6	12.5	7.6
OA secondary	237	4.6	1.7	11.2	1.3	4.4
psoriatic arthritis	177	3.4	4.0	3.2	3.4	3.2
other diagnosis	174	3.4	2.7	2.1	5.6	2.0
anky. spondylitis	140	2.7	5.3	2.0	1.8	1.6
polyarthritis	130	2.5	3.1	1.9	2.6	2.6
degenerative disc	117	2.3	1.6	1.7	3.0	3.2
other nonarticular rheum	109	2.1	3.7	0.1	2.3	2.7
SLE systemic	83	1.6	1.3	1.5	1.7	2.1
unspecified arthritis	73	1.4	0.8	0.8	2.5	1.4
scleroderma	49	1.0	0.7	2.1	0.4	0.4
polymyalgia rheum	39	0.8	1.1	0.6	0.7	0.6
osteoporosis	29	0.6	0.5	1.1	0.2	0.3
JA pauci or polyarth	25	0.5	0.5	1.0	0.3	0.0
mixed connective	20	0.4	0.4	0.4	0.2	0.9
arth. - bowel disease	19	0.4	0.2	0.2	0.6	0.4
polymyositis	14	0.3	0.0	0.6	0.3	0.1
JA systemic	13	0.3	0.2	0.2	0.2	0.4
gout	11	0.2	0.3	0.2	0.2	0.1
arthritis - infection	8	0.2	0.3	0.0	0.2	0.1
dermatomyositis	4	0.1	0.2	0.1	0.0	0.0
pseudogout	3	0.1	0.0	0.1	0.1	0.0
SLE discoid	1	0.0	0.0	0.0	0.1	0.0
Lyme	1	0.0	0.1	0.0	0.0	0.0
missing (n)	(4)		(1)	(3)	(0)	(0)

**Table 2.8 Diagnosis - Referrals for Children (age 16 and under)**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
JA polyartic or RA	69	29.9	24.4	28.4	33.3	42.3
JA pauciarticular	64	27.7	34.1	30.6	16.7	15.4
other diagnosis	20	8.7	7.3	9.0	13.3	3.8
JA systemic	14	6.1	7.3	5.2	10.0	3.8
fibrositis/myalgia	13	5.6	2.4	6.0	0.0	15.4
psoriatic arthritis	12	5.2	0.0	7.5	3.3	3.8
anky spondylitis	10	4.3	7.3	4.5	3.3	0.0
unspecified arthritis	8	3.5	4.9	3.0	3.3	3.8
other nonartic rheum	6	2.6	9.8	0.7	0.0	3.8
polyarthritis	4	1.7	0.0	2.2	0.0	3.8
scleroderma	4	1.7	2.4	1.5	0.0	3.8
SLE systemic	2	0.9	0.0	0.0	6.7	0.0
dermatomyositis	2	0.9	0.0	0.7	3.3	0.0
mixed connective	2	0.9	0.0	0.7	3.3	0.0
arth. - bowel disease	1	0.4	0.0	0.0	3.3	0.0
missing (n)	(0)		(0)	(0)	(0)	(0)

**Table 2.9 Disease Duration (groups)**

	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
less than 1 year	546	10.3	8.8	9.0	12.2	11.7
1 year	631	11.9	14.1	11.2	11.2	11.0
2-5 years	1393	26.3	26.9	26.3	27.0	23.4
6-10 years	1155	21.8	20.4	21.0	24.3	20.2
more than 10 years	1573	29.7	29.8	32.5	25.3	33.7
missing (n)	(71)		(27)	(16)	(25)	(3)

**Table 2.10 Disease Duration (years)**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	9.52	9.50	10.15	8.54	10.42
range	0.03 -73	0.08-73	0.08-70	0.03-70	0.04-68
missing (n)	(71)	(27)	(16)	(25)	(3)



**Table 2.11 Wait Time (weeks) - All Referrals**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	4.88	4.75	6.34	4.69	2.43
range	0.0 -76.4	0.0-55.7	0.0-76.4	0.0-62.6	0.0-73.9
missing (n)	(1)	(0)	(1)	(0)	(0)

**Table 2.12 Wait Time (weeks) - External Referral**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	4.80	4.71	6.28	4.57	2.43
range	0.0 -76.4	0.0-55.7	0.0-76.4	0.0-62.6	0.0-73.9
missing (n)	(0)	(0)	(0)	(0)	(0)

**Table 2.13 Wait Time (weeks) - Internal Referral**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	7.39	6.19	7.28	9.14	2.55
range	0.0 -37.9	0.0-20.1	0.0-35.6	1.9-37.9	0.0-8.0
missing (n)	(1)	(0)	(1)	(0)	(0)

**Table 2.14 Total Attendance**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	4.61	5.39	4.30	4.41	4.28
range	1 - 66	1 - 66	1 - 45	1 - 34	1 - 56

**Table 2.15 Homecare Service**

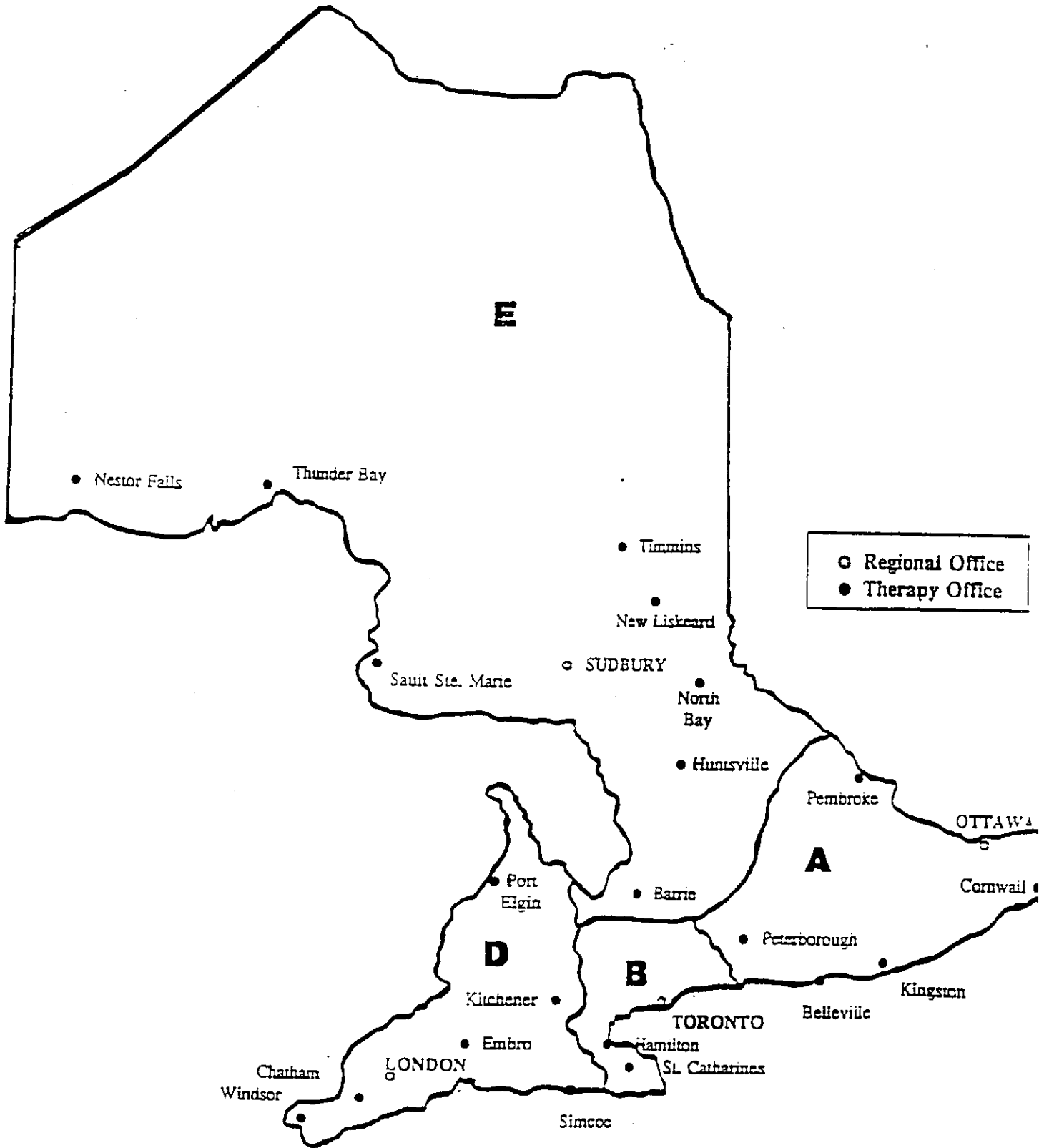
	TOTAL		AREA A	AREA B	AREA D	AREA E
	n	%	%	%	%	%
yes	264	5.2	7.7	6.3	0.6	9.5
no	4772	94.8	92.3	93.7	99.4	90.5
missing (n)	(2)		(1)	(0)	(1)	(0)

**Table 2.16 Homecare Attendance**

	TOTAL	AREA A	AREA B	AREA D	AREA E
mean	6.33	8.61	5.00	9.33	4.28
range	1 - 60	1 - 60	1 - 14	2 - 34	1 - 26

APPENDIX A

Ontario Division  
**CONSULTATION AND THERAPY SERVICE  
BY SERVICE AREA**



APPENDIX B

CASE DATA

Serial No.	R
Service Area	
Group I.D.	

Service 

PT	GROUP	SW	OT
----	-------	----	----

Client Name \_\_\_\_\_ Health Card # \_\_\_\_\_  
First Last  
 Address \_\_\_\_\_  
Street City Postal Code

Date of Birth 

Day	Month	Year

 Age \_\_\_\_\_  home \_\_\_\_\_  
 bus. \_\_\_\_\_

Gender 

M	F
---	---

 If under 18 years of age: parent or guardian \_\_\_\_\_

Marital Status 

M	W	Sep	D	CL	NM
---	---	-----	---	----	----

 Seen before by CTS? 

Y	N
---	---

Primary Diagnosis (see ICD codes) 

--

 Confirmed  Suspected  If Other (specify) \_\_\_\_\_

Disease Duration(yrs) \_\_\_\_\_

Referring Physician \_\_\_\_\_ 

RHEUM	GP	INT	ORTH	OTHER
-------	----	-----	------	-------

Address \_\_\_\_\_  
Street City Postal Code

Referral Source 

Reg	HC	Clinic	Self
-----	----	--------	------

PT	OT	SW
----	----	----

  
Inter-Office

Consultant/Family Physician \_\_\_\_\_

Address \_\_\_\_\_  
Street City Postal Code

Date of Referral 

Day	Month	Year

 Date of Opening 

Day	Month	Year

Employment Status:  Employed Fulltime  Part-time  Self-employed

Occupation \_\_\_\_\_

If not working for pay (check one or more):  Homemaker  Student  Retired/Voluntarily Not Working  
 Unemployed and Looking for Work  Volunteer Work  Maternity Leave  Temporarily Laid Off  
 Sick Leave  LTD  STD  Other (specify) \_\_\_\_\_

Highest Level of Education Achieved:  Elementary (or less)  Some High School  High School Graduate  
 Some College  Some University  College Graduate  University Graduate  Post-Graduate Degree

Total # Years \_\_\_\_\_  
 Primary Language:  English  French  Other (specify) \_\_\_\_\_

Concurrent Disorders/Precautions \_\_\_\_\_

Household Size: Spouse 

Y	N
---	---

 Children(##) \_\_\_\_\_ Other Relative(##) \_\_\_\_\_ Non-Relative(##) \_\_\_\_\_ Total(## incl. client) \_\_\_\_\_

\_\_\_\_\_  
 Therapist's Signature

COMPLETE BELOW THIS LINE ON CLOSURE

Date of Last Visit	<table border="1"><tr><td></td><td></td><td></td></tr><tr><td>Day</td><td>Month</td><td>Year</td></tr></table>				Day	Month	Year	Home Care	<table border="1"><tr><td>Y</td><td>N</td></tr></table>	Y	N	Total Attendances	<table border="1"><tr><td></td></tr></table>	
Day	Month	Year												
Y	N													
Date of Closure	<table border="1"><tr><td></td><td></td><td></td></tr><tr><td>Day</td><td>Month</td><td>Year</td></tr></table>				Day	Month	Year	Total HC Att.	<table border="1"><tr><td></td></tr></table>		No Shows	<table border="1"><tr><td></td></tr></table>		
Day	Month	Year												

## APPENDIX C

### CLASSIFICATION OF CONCURRENT CONDITIONS

#### 1: OTHER ARTHRITIS AND RHEUMATISM

Acromioplasty	Kyphosis
Amyloidosis	Lyme Disease
Ankylosing Spondylitis	Metatarsalgia
Erysipelas Infection	Myofascial Pain Syndrome
Arthritis - Unspecified	Osgoode Slatter
Arthropathies	Osteoarthritis
Atlanto-Axial Subluxation	Osteochondritis Osteoporosis
Baker's Cyst	Patellofemoral Disease
Bursitis	Plantar Fasciitis
Charcot	Polymyalgia Rheumatica
Chondrocalcinosis	Polymyositis
Chondromalacia	Pseudogout
Crohn's Disease	Psoriatic Arthritis
Congenital Hip Dislocation	Raynaud's Disease
Connective Tissue Disease	Rheumatism
Crest	Rheumatoid Arthritis
Degenerative Disc Disease	Reiter's Syndrome
Dermatomyositis	Scleroderma
Discoid Lupus (SLE)	Sjogren's Syndrome
Dislocated Patella	Spurs
Enthesis	Subluxation cervical spine
Feltys Syndrome	Systemic Lupus
Fibromyalgia	Temporal Arthritis
Fibrositis	Tendinitis/Tendonitis
FMS	Tenosynovitis
Frozen Shoulder	Torn Knee Cartilage
Generalized Other Arthritis	Tuberculosis (joint)
Gout	Tuberculosis Spondylitis
Hand Reconstruction	Vasculitis
JA	Wegener's Granulomatosis
JRA	

## **2: BACK & NECK DISORDERS INCLUDING TRAUMA**

Arachnoiditis  
C 1-2 Instability  
CDDD  
Compression # Back  
Compression Fractures  
Discs - damaged/removed  
D.I.S.H. Disease  
Dorsopathies  
Foraminectomy  
Friedrichs Ataxia  
Fusion (Back and Spine)  
Laminectomy  
Motor Vehicle Accident (MVA)

Neck Disorders  
Rye Neck  
Sciatica  
Scoliosis  
Spastic Torticollis  
Spinal cord decompression  
Spinal cord injury  
Spinal Stenosis  
Spondylolisthesis  
Stenosis L5  
Trauma - Back  
Whiplash

## **3: OTHER MSD INCLUDING TRAUMA (Excluding #1 and #2)**

Calcium on Shoulder  
Chondropathies  
Dislocated Shoulder  
Fusion(wrist & ankle joints)  
Hip Pin Plate  
Iliotibial Band Syndrome  
Musculoskeletal Deformities

Osteomyelitis  
Osteopathies  
Osteosclerosis  
Patellectomy  
Rotator Cuff  
Tennis Elbow  
Trauma - excluding back

## **4: HEART**

Acute Rheumatic Fever  
Angina  
Angioderma  
Aorta Repair  
Aortic Valve Replacement  
Atrial Fibrillation  
Arrhythmia  
Bypass Surgery  
Cardiac Embolism  
Cardiac Murmurs  
Cardio Myopathy

Congestive Heart Failure  
Coronary Artery Disease  
Ischaemic Heart Disease  
Mitral Valve Prolapse  
Myocardial Infarction  
Pacemaker  
Palpitation  
Pulmonary Circulation  
Rheumatic Heart Disease  
Tachycardia  
Transient Ischemic Attack

## 5: STROKE, CIRCULATORY, VASCULAR

Acquired Factor 8 Deficiency

Anemia

Aneurysm

Arteries, Diseases

Arteriosclerotic heart disease/arteriosclerosis

Blood Disease

Capillaries Diseases

Cerebral Vascular Accident/Stroke

Cerebrovascular Disease

Cholesterol

Hemiplegia

High Blood Pressure

Hypermobility

Hypertension

Intermittent Claudication

Lymphatic Disease

Mitral Stenosis

Necrosis

Peripheral Vascular Disease

Phlebitis

Syncope

Thrombocytopenia

Vasculitis

Veins, Diseases

Vertebral Artery Compromise

## 6: RESPIRATORY

Asthma

Bronchitis

Bronchiectasis

Congestive obstructive pulmonary disease

Emphysema

Histoplasmosis

Pleurisy

Pneumonia

Pseudomonas

Pulmonary Edema

Pulmonary Fibrosis

Respiratory Failure

Shortness of Breath

Silicosis

## 7: NEOPLASMS/CARCINOMA

Cancer

Hodgkins Disease

Lumpectomy

Leukemia

Lipoma

Mastectomy

Melanoma

Meningioma

Myeloma

Wharton's Tumor

## **8: DIGESTIVE**

Anorexia Nervosa  
Bowel Disease  
Bowel Surgery  
Bowel Syndrome  
Celiac Disease  
Colitis  
Colostomy  
Diverticulitis  
Esophagus Reflex Disorder

Gastrectomy  
GI Bleed  
Hiatus Hernia  
Intestinal Infection  
Irritable Bowel Syndrome  
Pancreatitis  
Pyloric Stenosis  
Spastic Bowel Syndrome  
Ulcerative Colitis

## **9: GENITO/URINARY & KIDNEY**

Bladder  
Cirrhosis  
Cystitis  
Cystocele  
Genitourinary System, disease  
Hepatitis  
Hysterectomy

Nephritis  
Nephrotic Syndrome  
Ovarian Cysts  
Prolapsed Uterus  
Pyelonephrosis  
Renal Failure  
Urinary - Problems/diseases

## **10: INJURIES & TRAUMA (excluding #2 and #3)**

## **11: METABOLIC, NUTRITIONAL & ENDOCRINE**

Abnormal Glucose Test  
Diabetes  
Dwarfism  
Goiter

Hypoglycemia  
Hypothyroid  
Paget's Disease  
Thyroid Disease



## **12: NERVOUS SYSTEM**

Ataxia  
Balance Disturbance  
Coordination Problems  
Foot Drop  
Guillain Barre Syndrome  
Intercostal Neuralgia  
Multiple Sclerosis  
Myopathy  
Nervous System, diseases  
Neuralgia  
Neurological Condition  
Neuropathy  
Neuro Surgery

Parkinson's Disease  
Paralysis  
Parathesia  
Paraplegia from Polio  
Peripheral Neuropathy  
Plexopathy  
Poliomyelitis  
Post Polio  
Sclerosis  
Seizures  
Shingles  
Thoracic Outlet Syndrome  
TIC Douloureaux

## **13: SENSORY**

Adnexa Oculi  
Blind  
Corneal Perforation  
Deaf  
Dry Eyes  
Ear Problem  
Glaucoma

Iritis  
Meniere's Disease  
Retinitis  
Retinoid Pigmentosa  
Tunnel Vision  
Uveitis  
Vertigo

## **14: SKIN ALLERGIES**

Allergies  
Alopecia  
Eczema  
Foot Ulcers  
Hay Fever

Psoriasis  
Rosarea  
Skin Disease  
Skin Lesions

## 15: OTHER TYPES OF DISORDERS

Alopecia Universalis  
Alzheimer's Disease  
Amputee/Amputation  
Anxiety Disorders  
Bipolar Disorders  
Cellulitis  
Cerebral Palsy  
Cognitive Impairment  
Congenital Disorders  
Dementia  
Depression  
Dizziness  
Down's Syndrome  
Endometriosis  
Fever  
Grave's Disease  
Head Injury

Hemachromatosis  
Hyperactivity  
Hypothermia  
Lithium Toxicity  
Meningitis  
Mental Disorders  
Mental Retardation  
Migraine  
Myasthenia Gravis  
Obesity  
Sarcoid/Sarcoidosis  
Schizophrenia  
Septic  
Spina Bifida  
Suicidal  
Tremors  
Underweight