

THE ARTHRITIS SOCIETY - CONSULTATION & THERAPY SERVICE (CTS)

1995 - 1996 ANNUAL SUMMARY OF CLIENTS AND REFERRALS

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I. 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 CTS client, referral and service data for the fiscal period April 1/95 to March 31/96. In the 1995-96 period, the CTS was organized into six service areas: 'Eastern' (A); 'Central East' (B); 'Central West' (C); South West (D); 'North East' (E); and 'North West' (F). The service area boundaries (see map in Appendix A) are the same as those of the Ontario District Health Council Planning Regions.

2. Data Collection and Analysis

Information regarding clients, referrals and services was recorded by CTS staff on Client Data Forms (see Appendix B). It is important to note that a modification of the data collection procedure, initiated April 1/95, resulted in some changes in the analysis and reporting of the annual data. Thus, for some of the tables, direct comparison with data in reports of previous years is inappropriate; this will be discussed further in the results section.

In previous years, a separate Client Data Form (CDF) was completed for each service provided. According to the new procedure, if a referral involved more than one type of service (e.g. physiotherapy & social work), and even if the services began on different days, all of the information was recorded on the same CDF. A new CDF was used only if all previous services had ended (i.e. the case was 'closed').

'Opening' and 'closing' copies of the CDFs were sent to the CTS head office in Toronto

where the data were 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 the type, amount and time period of service(s).

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 1/95 to March 31/96.

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 1.20, and referral summaries in Tables 2.1 to 2.20. In most of the tables, the information is summarized as a 'Total' (i.e. all cases throughout the province) and as six subgroups which represent the six service areas.

Wherever appropriate, percentages (%) as well as the number of cases (n) are provided. Note that 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 in order to identify data collection problems and to assist in the interpretation of results. Also note that in the tables involving means (e.g. age, Table 1.4), the numbers reported as 'range' are the minimum and maximum

values.

Table 1.0 is a summary of the number of clients and referrals grouped according to **service area**. A total of 5,349 **clients** were referred to CTS and began receiving service during the 1995-96 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 1/95.

The total number of **referrals** for the 1995-96 period was 5,546; thus, repeat referrals (n=197) represented a small proportion (3.6%) of the total. These repeat referrals involved 187 individuals.

Note that the number of referrals in 1995-96 cannot be compared with the total in previous years. In the current analysis, one referral can involve one or more services; in contrast, prior to April 1/95, each referral represented only one service.

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 and other health professionals.

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.

CTS staff provided service to three clients from outside Ontario. In the 'Eastern' service region (A), two clients were residents of Quebec, and in the 'North West' (F), one person lived in a U.S. location.

Demographic Characteristics

Demographic summaries are found in Tables 1.2 to 1.11.

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 75.0% age 45 or older and 37.6% in the age 65 or older group. The mean was 56.6 years and there was a large range in ages from 17 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 F had the highest proportion of middle aged adults (age 45-64) and the lowest percent of elderly clients age 75 & over. The higher proportion of young clients (under age 18) in areas B and C may reflect the availability of pediatric rheumatologists in these regions.

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 number in the widowed group reflects the fact that CTS clients were disproportionately female and elderly compared to the general population of Ontario¹.

The relatively older age of CTS clients also contributed to the distribution in **education level** seen in Table 1.6; 14.3% of adult clients were in the 'elementary or less' category and 39.1% had not completed high

¹ Statistics Canada Profile of Census Divisions & Census Subdivisions - Part A. Ottawa: Supply & Services Canada, 1992. 1991 Census of Canada Service Number 846-031.

school. In the latter category, area F was the highest (47.8%) and area A the lowest (35.7%). Also note in Table 1.6 that education information was missing for 84 individuals, and the majority of these cases were in area E. Either the staff did not ask the client or the client refused to supply the information. Area E is also disproportionately represented in the missing data for other demographic characteristics.

A small proportion of CTS clients, 10.7%, reported a primary **language** other than English or French (Table 1.7). The substantial geographic variation regarding this group is not unexpected. The highest proportion, 19.7%, is found in the 'Central East' region (B) which includes metropolitan Toronto, a city with a multiculturally diverse population. Also not unexpected is the finding that Francophone clients were located mainly in the 'Eastern' region (A) which is adjacent to Quebec or in the 'North East' (E) area of the province.

Household size information, presented in Table 1.8, indicates that 24.1% 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.

Note, in this table, the inclusion of the category labeled 'congregate living'. Prior to April 1/95, the CDF did not allow for the distinction between a private dwelling and a facility such as a nursing home, convent, penal institution or student residence.

Tables 1.9 to 1.11 summarize **employment** data for clients age 18 to 64. Close to two-thirds of clients in this age group were not working at the time they began receiving service. There was regional variation with area F having the highest proportion of clients unemployed and area A the lowest.

Of the clients who were working full or part time, 18.1 % reported that they were **self-employed** (Table 1.10).

Reasons for not working are shown in Table 1.11. Percentages are not used because individuals could give more than one reason. Of interest, are the number of clients who reported that they were not working because of health problems; 666 individuals stated that they were on either sickleave or short or long term disability. Although the specific medical condition responsible for this employment status was not stated on the CDF, data regarding concurrent disorders provide some indication. Of these 666 clients, 313 did not report any condition other than the primary diagnosis, and 78 reported comorbidity only in the 'arthritis/rheumatism' category.

Disease Characteristics

Summaries of disease related information are found in Tables 1.12 to 1.20.

Primary diagnosis data for clients of all ages are shown in Table 1.12. Then the data for adults and children are presented separately in Tables 1.13 & 1.14. It is important to interpret Table 1.12 with caution regarding the numbers for rheumatoid (RA) and juvenile arthritis (JA). The data in the table represent the diagnostic codes that were recorded on the CDFs; however, analysis revealed inconsistencies regarding how individuals were classified. One client in the RA category was a child and 28 of the JA clients were adults with juvenile onset; similarly, 44 adults coded as RA on the CDF also had their disease onset in childhood.

Table 1.12 shows that CTS was serving clients with a broad range of diseases; however, the majority of clients, 61.2%, had either rheumatoid or osteoarthritis (primary or secondary OA) and another 15.2% had fibrositis or fibromyalgia. Regional

comparisons regarding these top three diagnostic categories indicate small differences in the proportion of OA but considerable variation regarding both RA and fibrositis/fibromyalgia. For combined types of OA, the area percentages range from 24.6% to 29.7%. In contrast, the figures for RA range from a low of 18.7% in area D to a high of 43.5% in area A. There was a similarly broad range for fibrositis/fibromyalgia; however, the geographic distribution was reversed with area A having the lowest percentage, 4.1%, and area D the highest, 28.1%. Area D is also notable in that RA ranked third in the diagnostic categories, and there were more clients with fibrositis or fibromyalgia than with primary OA. When both types of OA are combined, OA was the most frequent diagnosis in two areas: C (27.8%) and D (29.6%).

Table 1.13 which summarizes the **diagnostic categories of adult clients** (n=5194) demonstrates a similar pattern to that of Table 1.12. 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 1.14, **diagnostic categories of children** (n=155), indicates that the majority of this age group, 53.5%, 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 1.15 & 1.16. 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 diagnosis by physician). The 'Total' figures in both tables show considerable variability regarding disease duration. As evident in Table 1.16, the shortest duration is 1 week (.02) and the longest is 85 years.

Of interest, is the number of clients referred to CTS with a relatively short disease duration; 23.4% reported a duration of one year or less. Among the regions, area D had the highest proportion of this group (29.5%) and area F, the lowest (14.9%). For all clients, area D had the lowest mean duration (Table 1.16) and area F the highest.

Duration and age data were used to calculate the time of **disease onset**. The mean onset age was 48.5 years for adult clients (age 17 & over) and 7.5 for children (age 16 & under).

Tables 1.17 & 1.18 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 1.19. The data show that 43.3% of clients reported at least one other health problem besides the one for which they were referred. A relevant factor is the age profile of individuals served by CTS; 37.6% were age 65 or older. Note that the percentages

in this table cannot be summed as the cases in the lower two groups are included in the category "at least 1 other".

Information about **types of concurrent conditions** is presented in Table 1.20. Note that these percentages can not be summed because individuals could report more than one condition. The data shown are the number of clients who reported one or more health problems in a particular category. It is of interest that 'arthritis/rheumatism' is the most frequent type of concurrent disorder. Note that the specific disease listed on the CDF was coded using the classification scheme presented in Appendix C (e.g. diabetes was coded as 'metabolic/nutritional/endocrine'). This scheme is based on one that 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 2.20. As noted earlier, direct comparison of these tables with those in previous annual reports cannot be made because of a change in the data collection procedure. As the unit of analysis, a 'referral' used to be equivalent to one service; in this report, it can represent one service or multiple services.

Data pertaining to **types of service** and **types of referrals** are presented in Tables 2.1 to 2.3. In these tables, the term 'group' refers to any kind of group service other than hydrotherapy (e.g. support, education). Table 2.1 indicates the number of referrals involving a specific service or combination of services. It is important to note that, currently, information regarding the specific type(s) of service provided is only available after the case is 'closed'. This is in contrast to previous years when the type of service was recorded on the 'opening' copy of the CDF. Thus the data in these three tables

pertain to 5,430 referrals, i.e., those cases that were 'closed at the time of the analysis. As Table 2.1 indicates, the predominant types of referral were 'PT only' and 'OT only'; combined these categories accounted for 78.1% of the closed cases.

A major factor in the substantial regional variation regarding service type was availability (e.g. no social workers in areas E & F). Referral practices of the physicians and other health professionals in a specific area could also contribute to these differences.

Additional summaries of service information are presented in Tables 2.2 and 2.3. Table 2.2 indicates that a large majority of the referrals (88.6%) were for one type of service; however, some referrals involved as many as four. Again, regional variation is clearly evident.

Table 2.3 presents the referral data in a manner which is more comparable to analyses in previous reports. Percentages are not used because a single referral can be represented in more than one service category. The data refer to the number of referrals involving **specific types of service**. The **'plus'** categories are referrals involving that specific service and one or more other types. The specific **'total'** categories (bolded) are all referrals involving that type of service. These five different service totals are summed in the bottom row labelled **'service total'**. Thus, for the whole province, 6,125 services were provided as a result of 5,430 referrals ('closed' cases). Except for the fact that service data were not available for 116 referrals because the cases were still open, these service totals are comparable to the data in previous reports.

Although it is evident that the majority of services were delivered on an individual basis (PT, OT, & SW totals), the number provided in a group setting (hydro & group

totals, n=877) are of interest. The relatively small number of referrals involving 'hydrotherapy' (n=161) and the moderate number for 'group' (n=716) reflect recent changes by CTS in their organization of service delivery. Factors contributing to the substantial regional variability in all of the service totals include staffing allocations and availability of particular programs.

Referral source information is summarized in Tables 2.4 & 2.5. In both, there are some differences compared to previous reports that should be noted. There is no 'internal' source category in Table 2.4 because, for referrals involving more than one service, only information about the initial 'source' is recorded on the CDF. Thus the data in this table may or may not apply to subsequent services. For example, in the case of a referral for PT and SW, the referral for both services may have come from Homecare, or the Homecare referral may have been for PT and then the CTS physiotherapist made a referral for social work.

As Table 2.4 shows, the majority of referrals for CTS service came from physicians or other health professionals who had seen a patient in their usual practice setting ('regular'). The data also indicate substantial regional variation in all types of referral source. Of interest is the number of requests for service that came directly from clients, particularly the percentage of 'self' referrals in the two northern service areas where this category ranks first (E 38.4%, F 38.3%). The disproportionate number of 'clinic' referrals in these areas reflects the fact that rheumatologists who are located in other parts of the province travel there to provide service. Regional variation in 'Homecare' referrals may be influenced by local factors such as the availability of Homecare staff who have received training from the Arthritis Society.

In Table 2.5, **referring professional**, the data pertain to referrals from three sources:

'regular', 'Homecare' and 'clinic' (n=4811). Note that this is the first report in which professionals other than physicians have been included. This difference reflects a change in legislation regarding access to rehabilitation services.

The data indicate that the majority of referrals, 93%, came from physicians, particularly rheumatologists (61.4%) and family practitioners (28.2%). Possible factors contributing to the regional differences in these two categories are location of physicians' practices as well as the referral patterns of individual physicians. Among the professionals who are not physicians, physiotherapists made the most referrals (3%).

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 (1.12 to 1.14) indicate minimal differences.

For all referrals (Table 2.6), the rank order of the three most frequent diagnoses (RA, OA, fibrositis/fibromyalgia) was the same as in the client analysis. Another similarity was the substantial regional variation in both the RA and the fibrositis/fibromyalgia categories. The consistencies between Tables 2.6 & 2.7 were not unexpected considering that adult referrals accounted for 97% of all referrals.

For children age 16 and younger, the diagnostic data for referrals (Table 2.8) and clients (Table 1.14) are very similar as there

is only a difference of 7 in terms of the number of cases in each analysis. The rank order of the conditions is the same in both tables.

Information regarding the time interval between the date the referral was made and the date the client first received service, known as the **wait time**, is presented in Tables 2.9 to 2.13. In examining these data, it is necessary to consider the fact that some referrals involved multiple services, and in these cases, the referral date and the date(s) the second or third service began are unknown. This distinction is important if the data are compared to wait times in previous reports.

Table 2.9 shows that the mean wait time for all referrals is approximately one month (4.84 weeks); however, there are substantial regional differences. The means range from 1.71 weeks in area E to 8.36 in area C. The broad range in wait time from 0 (same day) to 67 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 6.1% of referrals, wait time was 0, and for 74.8%, it was 6 weeks or less.

When the data are grouped according to specific referral sources (Tables 2.10 to 2.13), variation in wait times is evident. The 'self' referral category (Table 2.13) has the shortest mean wait time, 2.07 weeks. The 'regular' category, which accounts for 75% of all referrals, has the longest, 5.59 weeks.

Substantial regional variation in both the mean and the maximum wait time is evident in all of the tables. Area C had the longest wait time in all source categories except 'clinic'; however, there were only 2 'clinic' referrals in this area. For both 'Homecare' and 'self' referrals, the shortest mean wait was in area A.

Information regarding the number of times

service was provided per referral is shown in Tables 2.14 and 2.16 to 2.20. This is referred to as '**attendance**'. Due to the change initiated for the 1995-96 year, i.e. one referral can include more than one type of service, the data in these tables are not comparable to attendance figures for previous years which were based on a single service.

It is important to note that the data in these tables are only available when the case is 'closed'. If the client has received multiple services, this is when the last service has ended. Thus the information in the attendance tables is restricted to the number of cases that were closed by the time the data were analyzed. For this reason, of the 5,546 referrals for service in this annual period, 116 cases were excluded from the attendance analysis.

The first table shows **total attendance** data for all referrals, and then a separate analysis is presented for a subset of referrals - those that pertain to individuals who were **Homecare** clients.

Table 2.14 shows that the mean total attendance per referral was 4.11, and the number of attendances ranged from a single contact to 58. There was some regional variation in total attendance with area A having the highest mean (5.02) and maximum (58). The lowest mean (2.85) was in area E.

As shown in Table 2.15, a small proportion of referrals (5.3%) were for individuals who were seen under **Homecare**. Note the substantial regional variation. The attendance analyses of the 287 referrals made for Homecare clients are presented in Tables 2.16 and 2.17. The data show a mean **Homecare attendance** for this group (4.78) that is slightly higher than the mean for all referrals (4.11 in Table 2.14). **Total attendance** for the **Homecare** group of referrals (Table 2.17) is also presented

because clients sometimes receive a portion of their therapy at a time when they are not Homecare clients. The data show that mean total attendance per referral is greater for clients who have received some Homecare (5.59) as compared with referrals for all clients (4.11).

Attendance data, grouped according to diagnostic category, are provided for three diseases in Tables 2.18 to 2.20. Compared to the mean for all referrals, 4.11 (Table 2.14), the data demonstrate a higher mean attendance for referrals for clients with RA (4.82) and a lower attendance (3.25) for the OA group. Also, within each of the disease groups, the tables show regional variation in mean attendance.

Table 1.0 Service Area

	CLIENTS		REFERRALS	
	n	%	n	%
Area A	1162	21.7	1215	21.9
Area B	1443	27.0	1510	27.2
Area C	848	15.9	868	15.7
Area D	1258	23.5	1293	23.3
Area E	423	7.9	438	7.9
Area F	215	4.0	222	4.0
Total	5349	100.0	5546	100.0

Table 1.1 Client Locations

Area A	n	Area B	n
Ottawa	423	Toronto	710
Kingston	153	Mississauga	132
Belleville	90	Peterborough	114
Cornwall	32	Brampton/Bramalea	100
Trenton	24	Thornhill	41
Brockville	23	Markham/Unionville	30
Smiths Falls	19	Ajax	26
Bancroft*	15	Richmond Hill	22
Picton*	15	Whitby/Oshawa	22
Kemptville*	14	Lindsay	21
Napanee	14	Pickering	17
Perth	14	Woodbridge	17
Renfrew	14	Lakefield*	12
Carleton Place	12	Midland	11
Gananoque	11		

Table 1.1 Client Locations

Area C		Area D	
	n		n
Hamilton	174	London	573
Kitchener/Waterloo	157	Windsor	130
St. Catharines/Thorold	100	Chatham	96
Burlington	75	Woodstock	32
Guelph	52	St. Thomas	31
Cambridge	47	Kincardine	20
Niagara Falls	26	Tillsonburg	17
Welland	26	Stratford	16
Oakville	20	Blenheim*	15
Stoney Creek	15	Goderich	15
		Owen Sound	13
		Amherstburg	12
		Dresden*	11
		Leamington	11

Area E		Area F	
	n		n
Sudbury	86	Thunder Bay	115
Sault St. Marie	78	Kenora	53
Timmins	50	Keewatin*	16
Parry Sound	15		
North Bay	14		
Lively	11		

Table 1.2 Sex

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
female	4420 (82.6)	904 (77.8)	1179 (81.7)	728 (85.8)	1065 (84.7)	359 (84.9)	185 (86.0)
male	929 (17.4)	258 (22.2)	264 (18.3)	120 (14.2)	193 (15.3)	64 (15.1)	30 (14.0)

Table 1.3 Age Group

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
< 18	166 (3.1)	17 (1.5)	76 (5.3)	35 (4.1)	20 (1.6)	11 (2.6)	7 (3.3)
18-29	211 (3.9)	51 (4.4)	66 (4.6)	32 (3.8)	49 (3.9)	7 (1.7)	6 (2.8)
30-44	959 (17.9)	207 (17.8)	232 (16.1)	155 (18.3)	252 (20.0)	74 (17.5)	39 (18.1)
45-64	2001 (37.4)	435 (37.4)	500 (34.7)	322 (38.0)	487 (38.7)	162 (38.3)	95 (44.2)
65-74	1101 (20.6)	275 (23.7)	282 (19.5)	176 (20.8)	232 (18.4)	91 (21.5)	45 (20.9)
75 & over	911 (17.0)	177 (15.2)	287 (19.9)	128 (15.1)	218 (17.3)	78 (18.4)	23 (10.7)

Table 1.4 Age

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	56.6	57.1	56.4	55.5	56.6	57.9	55.8
range	1.4 - 96	1.4 - 94	1.7 - 95	2 - 96	2 - 94	5 - 92	2 - 95

Table 1.5 Marital Status (age 18 & over)

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
married/ com. law	3101 (59.9)	676 (59.1)	777 (56.8)	505 (62.1)	752 (60.8)	256 (62.3)	135 (64.9)
widowed	1039 (20.1)	228 (19.9)	299 (21.9)	157 (19.3)	225(18.2)	88 (21.4)	42 (20.2)
divorced/ separated	561 (10.8)	123 (10.8)	147 (10.8)	79 (9.7)	153 (12.4)	45 (10.9)	14 (6.7)
never married	478 (9.2)	116 (10.1)	144 (10.5)	72 (8.9)	107 (8.6)	22 (5.4)	17 (8.2)
missing	4	2	0	0	1	1	0

Table 1.6 Education Level (age 18 & over)

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
element. or less	731 (14.3)	140 (12.4)	205 (15.1)	98 (12.3)	170 (13.8)	79 (21.4)	39 (18.8)
some high sch.	1265 (24.8)	264 (23.3)	304 (22.3)	238 (29.9)	316 (25.7)	83 (22.4)	60 (29.0)
high sch. graduate	1426 (28.0)	314 (27.7)	379 (27.8)	230 (28.9)	346 (28.1)	102 (27.6)	55 (26.6)
some college	395 (7.7)	83 (7.3)	136 (10.0)	43 (5.4)	95 (7.7)	25 (6.8)	13 (6.3)
college graduate	540 (10.6)	138 (12.2)	116 (8.5)	91 (11.4)	136 (11.1)	39 (10.5)	20 (9.7)
some university	204 (4.0)	49 (4.3)	53 (3.9)	22 (2.8)	62 (5.0)	10 (2.7)	8 (3.9)
university graduate	406 (8.0)	102 (9.0)	125 (9.2)	61 (7.7)	82 (6.7)	29 (7.8)	7 (3.4)
post graduate	132 (2.6)	43 (3.8)	44 (3.2)	14 (1.8)	23 (1.9)	3 (0.8)	5 (2.4)
missing	84	12	5	16	8	42	1

Table 1.7 Primary Language

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
English	4516 (85.2)	977 (84.2)	1137 (78.8)	757 (89.6)	1150 (91.7)	300 (78.7)	195 (90.7)
French	213 (4.0)	106 (9.1)	22 (1.5)	9 (1.1)	14 (1.1)	59 (15.5)	3 (1.4)
Italian	102 (1.9)	7 (0.6)	54 (3.7)	25 (3.0)	9 (0.7)	6 (1.6)	1 (0.5)
German	49 (0.9)	11 (0.9)	16 (1.1)	11 (1.3)	6 (0.5)	3 (0.8)	2 (0.9)
Portuguese	35 (0.7)	3 (0.3)	11 (0.8)	5 (0.6)	15 (1.2)	0 (0.0)	1 (0.5)
Polish	32 (0.6)	4 (0.3)	13 (0.9)	5 (0.6)	9 (0.7)	0 (0.0)	1 (0.5)
Chinese	21 (0.4)	2 (0.2)	17 (1.2)	1 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)
other lang.	331 (6.2)	51 (4.4)	173 (12.0)	32 (3.8)	50 (4.0)	13 (3.4)	12 (5.6)
missing	50	1	0	3	4	42	0

Table 1.8 Household Size

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
lives alone	1277 (24.1)	263 (22.7)	346 (24.0)	187 (22.1)	341 (27.2)	93 (24.5)	47 (21.9)
with 1 other	2175 (41.0)	512 (44.1)	508 (35.2)	351 (41.4)	528 (42.1)	171 (45.0)	105 (48.8)
with 2 people	734 (13.8)	153 (13.2)	230 (16.0)	128 (15.1)	142 (11.3)	51 (13.4)	30 (14.0)
with 3 people	630 (11.9)	143 (12.3)	192 (13.3)	93 (11.0)	140 (11.2)	42 (11.1)	20 (9.3)
with 4 people	256 (4.8)	47 (4.0)	84 (5.8)	52 (6.1)	51 (4.1)	14 (3.7)	8 (3.7)
with 5 or more	131 (2.5)	18 (1.6)	56 (3.9)	21 (2.5)	31 (2.5)	1 (0.3)	4 (1.9)
congregate living	98 (1.8)	25 (2.2)	26 (1.8)	16 (1.9)	22 (1.8)	8 (2.1)	1 (0.5)
missing	48	1	1	0	3	43	0

Table 1.9 Employment Status (age 18- 64)

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
full time	742 (23.6)	221 (31.9)	176 (22.1)	109 (21.4)	178 (22.6)	35 (16.7)	23 (16.4)
part time	349 (11.1)	75 (10.8)	81 (10.2)	64 (12.6)	93 (11.8)	24 (11.4)	12 (8.6)
not working	2047 (65.2)	397 (57.3)	541 (67.8)	336 (66.0)	517 (65.6)	151 (71.9)	105 (75.0)
missing	33	0	0	0	0	33	0

Table 1.10 Self-Employment Status* (age 18- 64)

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
yes	198 (18.1)	56 (18.9)	47 (18.3)	34 (19.7)	48 (17.7)	7 (11.9)	6 (17.1)
no	893 (81.9)	240 (81.1)	210 (81.7)	139 (80.3)	223 (82.3)	52 (88.1)	29 (82.9)

* data for cases working full or part time (n=1091)

Table 1.11 Reasons for Not Working (age 18-64)

	TOTAL		TOTAL
	n		n
long term dsability	525	homemaker	684
short term disability	54	retired	433
sick leave	87	student	93
laid off	36	maternity	8
looking for work	29	other reason	337
volunteer	32		

Table 1.12 Diagnosis - All Clients

	Total	Area A	Area B	Area C	Area D	Area E	Area F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
rheumatoid arthritis	1783 (33.4)	503 (43.5)	553 (38.4)	233 (27.5)	235 (18.7)	172 (40.7)	87 (40.5)
OA primary	1411 (26.4)	316 (27.3)	364 (25.3)	230 (27.2)	344 (27.4)	107 (25.3)	50 (23.2)
fibrositis/fibromyalgia	809 (15.2)	47 (4.1)	157 (10.9)	172 (20.3)	352 (28.1)	40 (9.5)	41 (19.1)
other diagnosis	196 (3.7)	33 (2.9)	44 (3.1)	33 (3.9)	71 (5.7)	7 (1.7)	8 (3.7)
psoriatic arthritis	162 (3.0)	47 (4.1)	52 (3.6)	23 (2.7)	22 (1.8)	10 (2.4)	8 (3.7)
ankylosing spondylitis	137 (2.6)	48 (4.1)	48 (3.3)	16 (1.9)	16 (1.3)	5 (1.2)	4 (1.9)
degenerative disc	110 (2.1)	10 (0.9)	20 (1.4)	18 (2.1)	44 (3.5)	18 (4.3)	0 (0.0)
polyarthritis	106 (2.0)	24 (2.1)	27 (1.9)	26 (3.1)	25 (2.0)	4 (0.9)	0 (0.0)
other nonartic. rheum.	98 (1.8)	22 (1.9)	11 (0.8)	11 (1.3)	43 (3.4)	10 (2.4)	1 (0.5)
SLE systemic	86 (1.6)	16 (1.4)	39 (2.7)	10 (1.2)	12 (1.0)	7 (1.7)	2 (0.9)
unspecified arthritis	83 (1.6)	11 (1.0)	18 (1.3)	19 (2.2)	17 (1.4)	15 (3.5)	3 (1.4)
OA secondary	73 (1.4)	28 (2.4)	6 (0.4)	5 (0.6)	27 (2.2)	4 (0.9)	3 (1.4)
JA polyarticular	65 (1.2)	15 (1.3)	16 (1.1)	14 (1.7)	8 (0.6)	6 (1.4)	6 (2.8)
JA pauciarticular	43 (0.8)	2 (0.2)	23 (1.6)	9 (1.1)	7 (0.6)	1 (0.2)	1 (0.5)
scleroderma	40 (0.7)	8 (0.7)	17 (1.2)	6 (0.7)	5 (0.4)	3 (0.7)	1 (0.5)
osteoporosis	29 (0.5)	2 (0.2)	12 (0.8)	9 (1.1)	3 (0.2)	3 (0.7)	0 (0.0)
polymyalgia rheumat	29 (0.5)	7 (0.6)	11 (0.8)	4 (0.5)	3 (0.2)	4 (0.9)	0 (0.0)
JA systemic	13 (0.2)	2 (0.2)	4 (0.3)	4 (0.5)	2 (0.2)	1 (0.2)	0 (0.0)
arthritis- bowel disease	12 (0.2)	5 (0.4)	3 (0.2)	0 (0.0)	3 (0.2)	1 (0.2)	0 (0.0)
arthritis- infection	11 (0.2)	3 (0.3)	4 (0.3)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
mixed connective	11 (0.2)	3 (0.3)	2 (0.1)	2 (0.2)	2 (0.2)	2 (0.5)	0 (0.0)
dermatomyositis	9 (0.2)	2 (0.2)	3 (0.2)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
polymyositis	7 (0.1)	1 (0.1)	2 (0.1)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
pseudogout	7 (0.1)	1 (0.1)	4 (0.3)	0 (0.0)	1 (0.1)	1 (0.2)	0 (0.0)
gout	6 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	3 (0.2)	2 (0.5)	0 (0.0)
missing	13	5	3	1	4	0	0

Table 1.13 Diagnosis - Adult Clients (age 17 & over)

	Total	Area A	Area B	Area C	Area D	Area E	Area F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
rheumatoid arthritis	1782 (34.4)	503 (44.0)	553 (40.5)	232 (28.5)	235 (19.0)	172 (41.5)	87 (41.8)
OA primary	1411 (27.2)	316 (27.7)	364 (26.6)	230 (28.3)	344 (27.8)	107 (25.8)	50 (24.0)
fibrositis/fibromyalgia	801 (15.5)	47 (4.1)	151 (11.0)	171 (21.0)	351 (28.4)	40 (9.7)	41 (19.7)
other diagnosis	173 (3.3)	31 (2.7)	26 (1.9)	31 (3.8)	71 (5.7)	7 (1.7)	7 (3.4)
psoriatic arthritis	157 (3.0)	45 (3.9)	50 (3.7)	23 (2.8)	21 (1.7)	10 (2.4)	8 (3.8)
ankylosing spondylitis	130 (2.5)	46 (4.0)	45 (3.3)	16 (2.0)	16 (1.3)	4 (1.0)	3 (1.4)
degenerative disc	110 (2.1)	10 (0.9)	20 (1.5)	18 (2.2)	44 (3.6)	18 (4.3)	0 (0.0)
polyarthritis	104 (2.0)	24 (2.1)	27 (2.0)	25 (3.1)	24 (1.9)	4 (1.0)	0 (0.0)
other nonartic. rheum	96 (1.9)	22 (1.9)	11 (0.8)	11 (1.4)	43 (3.5)	8 (1.9)	1 (0.5)
SLE systemic	84 (1.6)	16 (1.4)	38 (2.8)	9 (1.1)	12 (1.0)	7 (1.7)	2 (1.0)
unspecified arthritis	75 (1.4)	10 (0.9)	15 (1.1)	17 (2.1)	15 (1.2)	15 (3.6)	3 (1.4)
OA secondary	73 (1.4)	28 (2.5)	6 (0.4)	5 (0.6)	27 (2.2)	4 (1.0)	3 (1.4)
scleroderma	40 (0.8)	8 (0.7)	17 (1.2)	6 (0.7)	5 (0.4)	3 (0.7)	1 (0.5)
osteoporosis	29 (0.6)	2 (0.2)	12 (0.9)	9 (1.1)	3 (0.2)	3 (0.7)	0 (0.0)
polymyalgia rheumat	29 (0.6)	7 (0.6)	11 (0.8)	4 (0.5)	3 (0.2)	4 (1.0)	0 (0.0)
JA pauci or polyartic	26 (0.5)	11 (1.0)	5 (0.4)	3 (0.4)	3 (0.2)	2 (0.5)	2 (1.0)
arthrit.- bowel disease	11 (0.2)	5 (0.4)	2 (0.1)	0 (0.0)	3 (0.2)	1 (0.2)	0 (0.0)
arthritis- infection	10 (0.2)	3 (0.3)	3 (0.2)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
mixed connective	10 (0.2)	2 (0.2)	2 (0.1)	2 (0.2)	2 (0.2)	2 (0.5)	0 (0.0)
dermatomyositis	8 (0.2)	2 (0.2)	3 (0.2)	0 (0.0)	3 (0.2)	0 (0.0)	0 (0.0)
polymyositis	7 (0.1)	1 (0.1)	2 (0.1)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
pseudogout	7 (0.1)	1 (0.1)	4 (0.3)	0 (0.0)	1 (0.1)	1 (0.2)	0 (0.0)
gout	6 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	3 (0.2)	2 (0.5)	0 (0.0)
JA systemic	2 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
missing	13	5	3	1	4	0	0

Table 1.14 Diagnosis - Child Clients (age 16 & under)

	Total	Area A	Area B	Area C	Area D	Area E	Area F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
JA polyartic. or RA	43 (27.7)	4 (26.7)	12 (16.4)	13 (39.4)	5 (27.8)	5 (55.6)	4 (57.1)
JA pauciarticular	40 (25.8)	2 (13.3)	22 (30.1)	8 (24.2)	7 (38.9)	0 (0.0)	1 (14.3)
other diagnosis	23 (14.8)	2 (13.3)	18 (24.7)	2 (6.1)	0 (0.0)	0 (0.0)	1 (14.3)
JA systemic	11 (7.1)	1 (6.7)	4 (5.5)	4 (12.1)	1 (5.6)	1 (11.1)	0 (0.0)
unspecified arthritis	8 (5.2)	1 (6.7)	3 (4.1)	2 (6.1)	2 (11.1)	0 (0.0)	0 (0.0)
fibrositis/fibromyalgia	8 (5.2)	0 (0.0)	6 (8.2)	1 (3.0)	1 (5.6)	0 (0.0)	0 (0.0)
ankylosing spondylitis	7 (4.5)	2 (13.3)	3 (4.1)	0 (0.0)	0 (0.0)	1 (11.1)	1 (14.3)
psoriatic arthritis	5 (3.2)	2 (13.3)	2 (2.7)	0 (0.0)	1 (5.6)	0 (0.0)	0 (0.0)
other nonartic. rheum	2 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (22.2)	0 (0.0)
SLE systemic	2 (1.3)	0 (0.0)	1 (1.4)	1 (3.0)	0 (0.0)	0 (0.0)	0 (0.0)
polyarthritis	2 (1.3)	0 (0.0)	0 (0.0)	1 (3.0)	1 (5.6)	0 (0.0)	0 (0.0)
arthrit.- bowel disease	1 (0.6)	0 (0.0)	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
dermatomyositis	1 (0.6)	0 (0.0)	0 (0.0)	1 (3.0)	0 (0.0)	0 (0.0)	0 (0.0)
arthritis-infection	1 (0.6)	0 (0.0)	1 (1.4)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
mixed connective	1 (0.6)	1 (6.7)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table 1.15 Disease Duration (groups)

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
< 1 year	645 (12.2)	164 (14.2)	129 (9.0)	92 (10.9)	204 (16.9)	41 (9.7)	15 (7.0)
1 year	593 (11.2)	168 (14.6)	141 (9.9)	79 (9.4)	152 (12.6)	36 (8.5)	17 (7.9)
2 - 5 yrs	1463 (27.7)	278 (24.1)	388 (27.1)	254 (30.1)	355 (29.4)	127 (30.0)	61 (28.4)
6 -10 yrs	1026 (19.5)	194 (16.8)	283 (19.8)	177 (21.0)	235 (19.5)	87 (20.6)	50 (23.3)
> 10 yrs	1546 (29.3)	348 (30.2)	490 (34.2)	242 (28.7)	362 (21.7)	132 (31.2)	72 (33.5)
missing	76	10	12	4	50	0	0

Table 1.16 Disease Duration (years)

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	9.12	9.07	10.22	9.31	7.37	9.55	10.37
range	.02 - 85	.02 - 70	.08 - 85	.08 - 69	.04 - 52	.04 - 50	.25 - 52
missing	76	10	12	4	50	0	0

Table 1.17 Joint Replacement

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
no	5269 (98.5)	1135 (97.7)	1430 (99.1)	838 (98.8)	1240 (98.6)	422 (99.8)	204 (94.9)
yes	80 (1.5)	27 (2.3)	13 (0.9)	10 (1.2)	18 (1.4)	1 (0.2)	11 (5.1)

Table 1.18 Type of Joint Replacement

	TOTAL
	n
hip	47
knee	34
shoulder	4
elbow	1
hand/wrist	1
other joint	6

Table 1.19 Number of Concurrent Conditions

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
no other condition	3035 (56.7)	699 (60.2)	747 (51.8)	507 (59.8)	690 (54.8)	267 (63.1)	125 (58.1)
at least 1 other	2314 (43.3)	463 (39.8)	696 (48.2)	341 (40.2)	568 (45.2)	156 (36.9)	90 (41.9)
2 or more	858 (16.0)	168 (14.5)	273 (18.9)	127 (15.0)	199 (15.8)	61 (14.4)	30 (14.0)
3 or more	254 (4.7)	55 (4.7)	74 (5.1)	34 (4.0)	60 (4.8)	22 (5.2)	9 (4.2)

Table 1.20 Types of Concurrent Conditions

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	- n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
no other condition	3035 (56.7)	699 (60.2)	747 (51.8)	507 (59.8)	690 (54.8)	267 (63.1)	125 (58.1)
other arth/rheu	617 (11.5)	120 (10.3)	173 (12.0)	89 (10.5)	195 (15.5)	20 (4.7)	20 (9.3)
stroke/ circ/vasc.	522 (9.8)	95 (8.2)	156 (10.8)	69 (8.1)	120 (9.5)	60 (14.2)	22 (10.2)
metabol/ endo/nutr	435 (8.1)	73 (6.3)	143 (9.9)	63 (7.4)	104 (8.3)	33 (7.8)	19 (8.8)
heart	371 (6.9)	88 (7.6)	113 (7.8)	59 (7.0)	71 (5.6)	29 (6.9)	11 (5.1)
respirat.	263 (4.9)	50 (4.3)	85 (5.9)	31 (3.7)	67 (5.3)	21 (5.0)	9 (4.2)
digestive	215 (4.0)	49 (4.2)	66 (4.6)	39 (4.6)	35 (2.8)	16 (3.8)	10 (4.7)
other condition	179 (3.3)	37 (3.2)	59 (4.1)	37 (4.4)	30 (2.4)	12 (2.8)	4 (1.9)
sensory	131 (2.4)	24 (2.1)	47 (3.3)	23 (2.7)	24 (1.9)	8 (1.9)	5 (2.3)
back/ neck	115 (2.1)	30 (2.6)	33 (2.3)	7 (0.8)	35 (2.8)	3 (0.7)	7 (3.3)
skin/ allergies	104 (1.9)	30 (2.6)	31 (2.1)	10 (1.2)	22 (1.7)	3 (0.7)	8 (3.7)
nervous	94 (1.8)	23 (2.0)	31 (2.1)	16 (1.9)	16 (1.3)	7 (1.7)	1 (0.5)
neo-plasms	79 (1.5)	11 (0.9)	25 (1.7)	20 (2.4)	16 (1.3)	2 (0.5)	5 (2.3)
urinary/ kidney	70 (1.3)	16 (1.4)	14 (1.0)	9 (1.1)	21 (1.7)	8 (1.9)	2 (0.9)
other MSD	30 (0.6)	5 (0.4)	8 (0.6)	1 (0.1)	14 (1.1)	1 (0.2)	1 (0.5)
injury/ trauma	1 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table 2.1 Service Referral Type*

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
PT	3311 (61.0)	842 (70.2)	788 (53.3)	514 (60.7)	869 (68.0)	196 (44.7)	102 (54.0)
OT	929 (17.1)	146 (12.2)	369 (24.9)	127 (15.0)	75 (5.9)	212 (48.4)	0 (0.0)
group	359 (6.6)	81 (6.8)	28 (1.9)	24 (2.8)	157 (12.3)	20 (4.6)	49 (25.9)
PT & grp	246 (4.5)	10 (0.8)	105 (7.1)	114 (13.5)	14 (1.1)	0 (0.0)	3 (1.6)
soc.work	109 (2.0)	15 (1.3)	42 (2.8)	19 (2.2)	33 (2.6)	0 (0.0)	0 (0.0)
hydro	105 (1.9)	0 (0.0)	0 (0.0)	4 (0.5)	66 (5.2)	9 (2.1)	26 (13.8)
PT & OT	105 (1.9)	53 (4.4)	35 (2.4)	14 (1.7)	3 (0.2)	0 (0.0)	0 (0.0)
PT & SW	67 (1.2)	26 (2.2)	20 (1.4)	10 (1.2)	11 (0.9)	0 (0.0)	0 (0.0)
SW & grp	40 (0.7)	2 (0.2)	22 (1.5)	11 (1.3)	5 (0.4)	0 (0.0)	0 (0.0)
PT & hydro	33 (0.6)	0 (0.0)	0 (0.0)	2 (0.2)	21 (1.6)	1 (0.2)	9 (4.8)
OT & SW	29 (0.5)	7 (0.6)	17 (1.1)	5 (0.6)	0 (0.0)	0 (0.0)	0 (0.0)
PT SW grp	17 (0.3)	4 (0.3)	12 (0.8)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
PT OT SW	16 (0.3)	4 (0.3)	10 (0.7)	2 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)
PT OT grp	12 (0.2)	1 (0.1)	11 (0.7)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
OT group	11 (0.2)	1 (0.1)	8 (0.5)	0 (0.0)	2 (0.2)	0 (0.0)	0 (0.0)
hydro grp	10 (0.2)	0 (0.0)	0 (0.0)	0 (0.0)	10 (0.8)	0 (0.0)	0 (0.0)
OT SW grp	9 (0.2)	3 (0.3)	5 (0.3)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
PT OT SW group	9 (0.2)	4 (0.3)	5 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
OT & hydro	6 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	6 (0.5)	0 (0.0)	0 (0.0)
PT OT hyd	2 (0.0)	0 (0.0)	2 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
SW hyd grp	2 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (0.2)	0 (0.0)	0 (0.0)
SW hydro	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
PT SW hyd	1 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
PT hyd grp	1 (0.0)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)

* data not available for 116 referrals (cases not closed at time of analysis)

Table 2.2 Referral Type*

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
1 type of service	4813 (88.6)	1084 (90.4)	1227 (83.0)	688 (81.2)	1200 (93.9)	437 (99.8)	177 (93.7)
2 types of service	548 (10.1)	99 (8.3)	207(14.0)	156 (18.4)	73 (5.7)	1 (0.2)	12 (6.3)
3 types of service	60 (1.1)	12 (1.0)	40 (2.7)	3 (0.4)	5 (0.4)	0 (0.0)	0 (0.0)
4 types of service	9 (0.2)	4 (0.3)	5 (0.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

* data not available for 116 referrals (cases not closed at time of analysis)

Table 2.3 Service Totals*

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n	n	n	n	n	n	n
PT only	3311	842	788	514	869	196	102
PT plus	509	102	200	143	51	1	12
PT total	3820	944	988	657	920	197	114
OT only	929	146	369	127	75	212	0
OT plus	199	73	93	21	12	0	0
OT total	1128	219	462	148	87	212	0
SW only	109	15	42	19	33	0	0
SW plus	191	50	91	28	22	0	0
SW total	300	65	133	47	55	0	0
group only	359	81	28	24	157	20	49
group plus	357	25	168	126	35	0	3
group total	716	106	196	150	192	20	52
hydro only	105	0	0	4	66	9	26
hydro plus	56	0	2	3	41	1	9
hydro total	161	0	2	7	107	10	35
service total	6125	1334	1781	1009	1361	439	201

* data not available for 116 referrals (cases not closed at time of analysis)

Table 2.4 Referral Source

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
regular	4180 (75.4)	853 (70.3)	1166 (77.3)	794 (91.5)	1154 (89.4)	129 (29.5)	84 (37.8)
self	730 (13.2)	194 (16.0)	157 (10.4)	58 (6.7)	68 (5.3)	168 (38.4)	85 (38.3)
Home care	402 (7.3)	115 (9.5)	115 (7.6)	14 (1.6)	69 (5.3)	84 (19.2)	5 (2.3)
clinic	229 (4.1)	51 (4.2)	71 (4.7)	2 (0.2)	0 (0.0)	57 (13.0)	48 (21.6)
missing	5	2	1	0	2	0	0

Table 2.5 Referring Professional*

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
MD - rheum.	2949 (61.4)	652 (64.0)	943 (70.0)	513 (63.3)	655 (53.6)	104 (38.5)	82 (59.9)
MD - GP	1357(28.2)	245 (24.1)	299 (22.2)	239 (29.5)	465 (38.0)	87 (32.2)	22 (16.1)
MD -other specialty	65 (1.4)	24 (2.4)	22 (1.6)	8 (1.0)	7 (0.6)	1 (0.4)	3 (2.2)
MD - orthoped.	62 (1.3)	31 (3.0)	12 (0.9)	4 (0.5)	8 (0.7)	5 (1.9)	2 (1.5)
MD - internist	35 (0.7)	8 (0.8)	5 (0.4)	2 (0.2)	4 (0.3)	15 (5.6)	1 (0.7)
PT	144 (3.0)	25 (2.5)	30 (2.2)	18 (2.2)	38 (3.1)	19 (7.0)	14 (10.2)
OT	74 (1.5)	5 (0.5)	23 (1.7)	13 (1.6)	15 (1.2)	10 (3.7)	8 (5.8)
other profession	63 (1.3)	12 (1.2)	6 (0.4)	5 (0.6)	22 (1.8)	17 (6.3)	1 (0.7)
RN	45 (0.9)	14 (1.4)	2 (0.1)	7 (0.9)	6 (0.5)	12 (4.4)	4 (2.9)
SW	12 (0.2)	2 (0.2)	6 (0.4)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
missing	5	1	4	0	0	0	0

* cases missing referral source and 'self' referral cases are excluded

Table 2.6 Diagnosis - All Referrals

	Total	Area A	Area B	Area C	Area D	Area E	Area F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
rheumatoid arthritis	1878 (33.9)	530 (43.8)	592 (39.3)	244 (28.1)	244 (18.9)	180 (41.1)	88 (39.6)
OA primary	1450 (26.2)	328 (27.1)	373 (24.8)	234 (27.0)	354 (27.5)	108 (24.7)	53 (23.9)
fibrositis/fibromyalgia	837 (15.1)	48 (4.0)	164 (10.9)	176 (20.3)	365 (28.3)	41 (9.4)	43 (19.4)
other diagnosis	202 (3.7)	36 (3.0)	46 (3.1)	33 (3.8)	71 (5.5)	7 (1.6)	9 (4.1)
psoriatic arthritis	169 (3.1)	51 (4.2)	53 (3.5)	23 (2.7)	23 (1.8)	11 (2.5)	8 (3.6)
ankylosing spondylitis	143 (2.6)	52 (4.3)	49 (3.3)	16 (1.8)	17 (1.3)	5 (1.1)	4 (1.8)
polyarthritis	112 (2.0)	25 (2.1)	30 (2.0)	26 (3.0)	25 (1.9)	6 (1.4)	0 (0.0)
degenerative disc	110 (2.0)	10 (0.8)	20 (1.3)	18 (2.1)	44 (3.4)	18 (4.1)	0 (0.0)
other nonartic. rheum	99 (1.8)	22 (1.8)	12 (0.8)	11 (1.3)	43 (3.3)	10 (2.3)	1 (0.5)
SLE systemic	87 (1.6)	17 (1.4)	39 (2.6)	10 (1.2)	12 (0.9)	7 (1.6)	2 (0.9)
unspecified arthritis	87 (1.6)	11 (0.9)	19 (1.3)	19 (2.2)	18 (1.4)	17 (3.9)	3 (1.4)
OA secondary	73 (1.3)	28 (2.3)	6 (0.4)	5 (0.6)	27 (2.1)	4 (0.9)	3 (1.4)
JA polyarticular	66 (1.2)	15 (1.2)	17 (1.1)	14 (1.6)	8 (0.6)	6 (1.4)	6 (2.7)
JA pauciarticular	44 (0.8)	2 (0.2)	24 (1.6)	9 (1.0)	7 (0.5)	1 (0.2)	1 (0.5)
scleroderma	41 (0.7)	8 (0.7)	18 (1.2)	6 (0.7)	5 (0.4)	3 (0.7)	1 (0.5)
osteoporosis	29 (0.5)	2 (0.2)	12 (0.8)	9 (1.0)	3 (0.2)	3 (0.7)	0 (0.0)
polymyalgia rheumat	29 (0.5)	7 (0.6)	11 (0.7)	4 (0.5)	3 (0.2)	4 (0.9)	0 (0.0)
JA systemic	14 (0.3)	2 (0.2)	4 (0.3)	5 (0.6)	2 (0.2)	1 (0.2)	0 (0.0)
arthrit. - bowel disease	12 (0.2)	5 (0.4)	3 (0.2)	0 (0.0)	3 (0.2)	1 (0.2)	0 (0.0)
arthritis- infection	11 (0.2)	3 (0.2)	4 (0.3)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
mixed connective	11 (0.2)	3 (0.2)	2 (0.1)	2 (0.2)	2 (0.2)	2 (0.5)	0 (0.0)
dermatomyositis	9 (0.2)	2 (0.2)	3 (0.2)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
polymyositis	7 (0.1)	1 (0.1)	2 (0.1)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
pseudogout	7 (0.1)	1 (0.1)	4 (0.3)	0 (0.0)	1 (0.1)	1 (0.2)	0 (0.0)
gout	6 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	3 (0.2)	2 (0.5)	0 (0.0)
missing	13	5	3	1	4	0	0

Table 2.7 Diagnosis - Referrals for Adult Clients (age 17 & over)

	Total	Area A	Area B	Area C	Area D	Area E	Area F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
rheumatoid arthritis	1877 (34.9)	530 (44.4)	592 (41.4)	243 (29.2)	244 (19.2)	180 (42.0)	88 (40.9)
OA primary	1450 (27.0)	328 (27.5)	373 (26.1)	234 (28.1)	354 (27.9)	108 (25.2)	53 (24.7)
fibrositis/fibromyalgia	829 (15.4)	48 (4.0)	158 (11.0)	175 (21.0)	364 (28.7)	41 (9.6)	43 (20.0)
other diagnosis	178 (3.3)	34 (2.8)	27 (1.9)	31 (3.7)	71 (5.6)	7 (1.6)	8 (3.7)
psoriatic arthritis	163 (3.0)	48 (4.0)	51 (3.6)	23 (2.8)	22 (1.7)	11 (2.6)	8 (3.7)
ankylosing spondylitis	135 (2.5)	50 (4.2)	45 (3.1)	16 (1.9)	17 (1.3)	4 (0.9)	3 (1.4)
degenerative disc	110 (2.0)	10 (0.8)	20 (1.4)	18 (2.2)	44 (3.5)	18 (4.2)	0 (0.0)
polyarthritis	110 (2.0)	25 (2.1)	30 (2.1)	25 (3.0)	24 (1.9)	6 (1.4)	0 (0.0)
other nonartic. rheum	97 (1.8)	22 (1.8)	12 (0.8)	11 (1.3)	43 (3.4)	8 (1.9)	1 (0.5)
SLE systemic	85 (1.6)	17 (1.4)	38 (2.7)	9 (1.1)	12 (0.9)	7 (1.6)	2 (0.9)
unspecified arthritis	78 (1.5)	10 (0.8)	16 (1.1)	17 (2.0)	15 (1.2)	17 (4.0)	3 (1.4)
OA secondary	73 (1.4)	28 (2.3)	6 (0.4)	5 (0.6)	27 (2.1)	4 (0.9)	3 (1.4)
scleroderma	41 (0.8)	8 (0.7)	18 (1.3)	6 (0.7)	5 (0.4)	3 (0.7)	1 (0.5)
osteoporosis	29 (0.5)	2 (0.2)	12 (0.8)	9 (1.1)	3 (0.2)	3 (0.7)	0 (0.0)
polymyalgia rheumat.	29 (0.5)	7 (0.6)	11 (0.8)	4 (0.5)	3 (0.2)	4 (0.9)	0 (0.0)
JA pauci or polyartic.	26 (0.5)	11 (0.9)	5 (0.3)	3 (0.4)	3 (0.2)	2 (0.5)	2 (0.9)
arthrit.- bowel disease	11 (0.2)	5 (0.4)	2 (0.1)	0 (0.0)	3 (0.2)	1 (0.2)	0 (0.0)
arthritis- infection	10 (0.2)	3 (0.3)	3 (0.2)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
mixed connective	10 (0.2)	2 (0.2)	2 (0.1)	2 (0.2)	2 (0.2)	2 (0.5)	0 (0.0)
dermatomyositis	8 (0.1)	2 (0.2)	3 (0.2)	0 (0.0)	3 (0.2)	0 (0.0)	0 (0.0)
polymyositis	7 (0.1)	1 (0.1)	2 (0.1)	1 (0.1)	3 (0.2)	0 (0.0)	0 (0.0)
pseudogout	7 (0.1)	1 (0.1)	4 (0.3)	0 (0.0)	1 (0.1)	1 (0.2)	0 (0.0)
gout	6 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	3 (0.2)	2 (0.5)	0 (0.0)
JA systemic	2 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)	1 (0.1)	0 (0.0)	0 (0.0)
missing	13	5	3	1	4	0	0

Table 2.8 Diagnosis - Referrals for Child Clients (age 16 & under)

	Total	Area A	Area B	Area C	Area D	Area E	Area F
	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	n (%)
JA polyartic. or RA	44 (27.2)	4 (25.0)	13 (16.9)	13 (38.2)	5 (26.3)	5 (55.6)	4 (57.1)
JA pauciarticular	41 (25.3)	2 (12.5)	23 (29.9)	8 (23.5)	7 (36.8)	0 (0.0)	1 (14.3)
other diagnosis	24 (14.8)	2 (12.5)	19 (24.7)	2 (5.9)	0 (0.0)	0 (0.0)	1 (14.3)
JA systemic	12 (7.4)	1 (6.3)	4 (5.2)	5 (14.7)	1 (5.3)	1 (11.1)	0 (0.0)
unspecified arthritis	9 (5.6)	1 (6.3)	3 (3.9)	2 (5.9)	3 (15.8)	0 (0.0)	0 (0.0)
fibrositis/fibromyalgia	8 (4.9)	0 (0.0)	6 (7.8)	1 (2.9)	1 (5.3)	0 (0.0)	0 (0.0)
ankylosing spondylitis	8 (4.9)	2 (12.5)	4 (5.2)	0 (0.0)	0 (0.0)	1 (11.1)	1 (14.3)
psoriatic arthritis	6 (3.7)	3 (18.8)	2 (2.6)	0 (0.0)	1 (5.3)	0 (0.0)	0 (0.0)
other nonartic. rheum	2 (1.2)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	2 (22.2)	0 (0.0)
SLE systemic	2 (1.2)	0 (0.0)	1 (1.3)	1 (2.9)	0 (0.0)	0 (0.0)	0 (0.0)
polyarthritis	2 (1.2)	0 (0.0)	0 (0.0)	1 (2.9)	1 (5.3)	0 (0.0)	0 (0.0)
arthrit.- bowel disease	1 (0.6)	0 (0.0)	1 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
dermatomyositis	1 (0.6)	0 (0.0)	0 (0.0)	1 (2.9)	0 (0.0)	0 (0.0)	0 (0.0)
arthritis-infection	1 (0.6)	0 (0.0)	1 (1.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
mixed connective	1 (0.6)	1 (6.3)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

Table 2.9 Wait Time* (weeks) - All Referrals

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	4.84	2.63	4.64	8.36	5.78	1.71	5.22
range	0.0 - 67.0	0.0 - 54.0	0.0 - 63.0	0.0 - 67.0	0.0 - 57.1	0.0 - 19.3	0.0 - 61.0
missing	1	0	1	0	0	0	0

*for multiple service referrals, wait time is based on open date for first service

Table 2.10 Wait Time* (weeks) - Regular Referral Source

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	5.59	3.03	5.24	8.63	6.02	2.22	6.94
range	0.0 - 67.0	0.0 - 54.0	0.0 - 63.0	0.0 - 67.0	0.0 - 57.1	0.0 - 13.6	0.0 - 61.0
missing	1	0	1	0	0	0	0

Table 2.11 Wait Time* (weeks) - Referrals from Homecare

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	3.09	1.89	3.18	7.68	5.11	2.23	2.64
range	0.0 - 30.0	0.0 - 30.0	0.0 - 22.9	2.6 - 20.7	0.1 - 17.8	0.0 - 10.3	0.4 - 4.4

Table 2.12 Wait Time* (weeks) - Referrals from Clinic

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	3.21	2.49	2.56	0.0	NA	0.15	8.71
range	0.0 - 31.0	0.3 - 10.7	0.0 - 26.1	0.0 - 0.0	NA	0.0 - 4.6	0.1 - 31.0

Table 2.13 Wait Time* (weeks) - Self Referrals

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	2.07	1.33	2.25	5.24	2.67	1.59	1.70
range	0.0 - 54.0	0.0 - 54.0	0.0 - 45.0	0.0 - 26.7	0.0 - 16.4	0.0 - 19.3	0.0 - 30.0

Table 2.14 Total Attendance*

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	4.11	5.02	3.74	4.07	4.06	2.85	4.52
range	1 - 58	1 - 58	1 - 31	1 - 38	1 - 30	1 - 30	1 - 30

* data not available for 116 referrals (cases not closed at time of analysis)

Table 2.15 Homecare Service*

	TOTAL n (%)	AREA A n (%)	AREA B n (%)	AREA C n (%)	AREA D n (%)	AREA E n (%)	AREA F n (%)
yes	287 (5.3)	120 (10.0)	115 (7.8)	4 (0.5)	9 (0.7)	39 (8.9)	0 (0.0)
no	5143 (94.7)	1079 (90.0)	1364 (92.2)	843 (99.5)	1269 (99.3)	399 (91.1)	189 (100.0)

* data not available for 116 referrals (cases not closed at time of analysis)

Table 2.16 Homecare Attendance

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	4.78	5.88	4.29	3.75	4.78	2.97	NA
range	1 - 30	1 - 27	1 - 20	1 - 8	1 - 13	1 - 30	NA

Table 2.17 Total Attendance for Homecare Cases

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	5.59	6.88	5.10	3.75	5.00	3.44	NA
range	1 - 31	1 - 27	1 - 31	1 - 8	1 - 13	1 - 30	NA

Table 2.18 Total Attendance* - Rheumatoid Arthritis Referrals

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	4.82	6.22	4.31	4.56	4.53	2.95	5.37
range	1 - 58	1 - 58	1 - 31	1 - 28	1 - 30	1 - 26	1 - 30

* data not available for 55 RA referrals (cases not closed at time of analysis)

Table 2.19 Total Attendance* - Osteoarthritis (primary & secondary) Referrals

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	3.25	3.43	2.91	3.24	3.42	2.58	4.90
range	1 - 22	1 - 20	1 - 19	1 - 16	1 - 21	1 - 13	1 - 22

* data not available for 13 OA referrals (cases not closed at time of analysis)

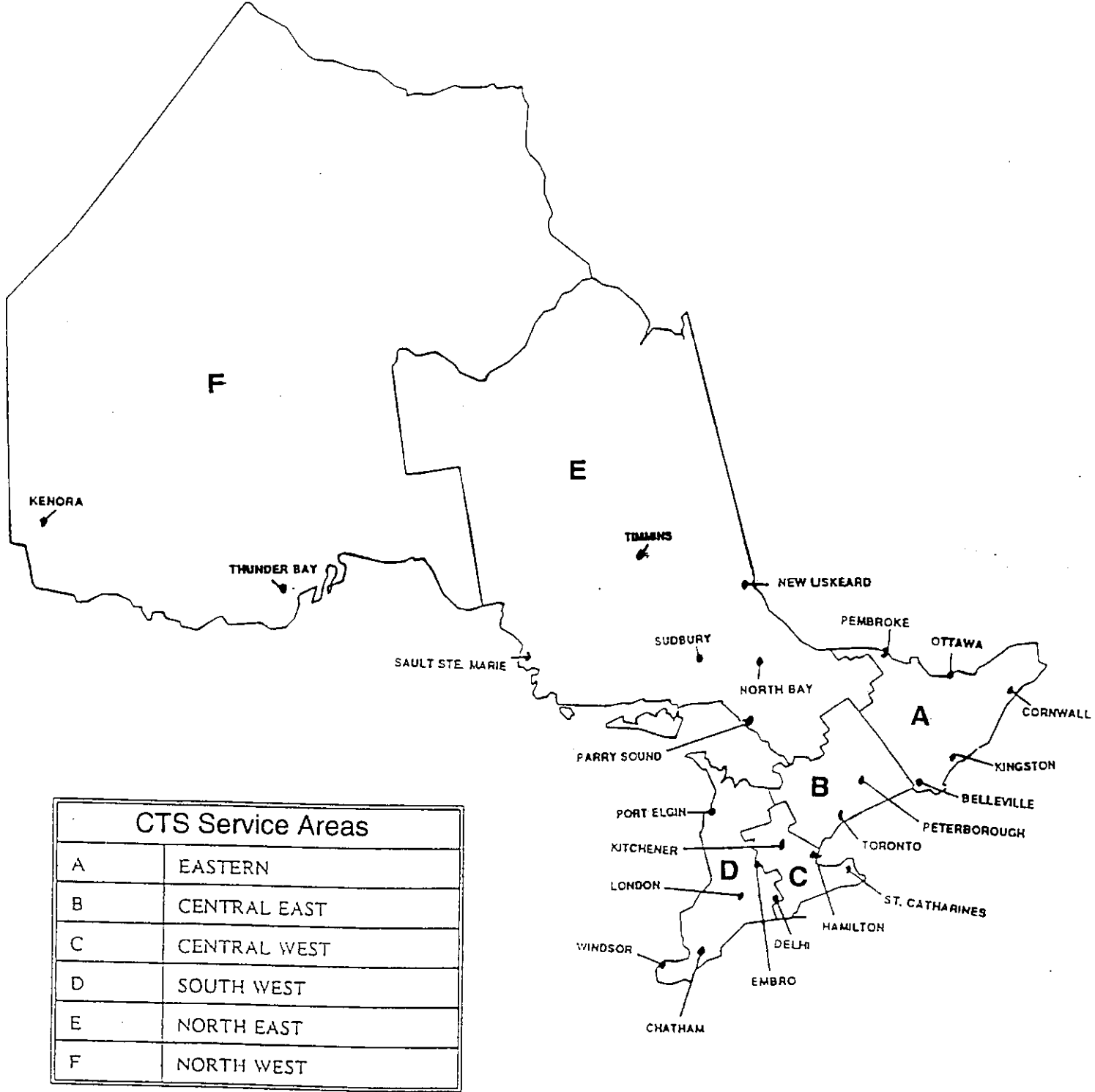
Table 2.20 Total Attendance* - Fibrositis/Fibromyalgia Referrals

	TOTAL	AREA A	AREA B	AREA C	AREA D	AREA E	AREA F
mean	4.24	5.57	4.43	3.87	4.57	2.46	2.44
range	1 - 24	1 - 24	1 - 18	1 - 20	1 - 20	1 - 10	1 - 14

* data not available for 8 fibro. referrals (cases not closed at time of analysis)

APPENDIX A

CONSULTATION AND THERAPY SERVICE OFFICE LOCATIONS



APPENDIX B

CLIENT DATA FORM

HEALTH CARD # _____ Service Area

CLIENT NAME Mr./Mrs. _____ Miss/Ms. _____
First Last

ADDRESS: _____
Street City Postal Code

DATE OF BIRTH

Day	Month	Year

 AGE: _____ GENDER

M	F
---	---

 MARITAL STATUS

M	W	SEP	D	CL	NM
---	---	-----	---	----	----

HOME () _____ BUS () _____ If Under 18: Parent/Guardian: _____
Father / Mother

PRIMARY DIAGNOSIS (see ICD codes)

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 Confirmed Suspected If other (specify) _____ Duration: (yrs) _____

REFERRING PROFESSIONAL _____ ()

Address _____
Street City Postal code

TYPE

RHEUM	GP	INT	ORTH	OTHER MD	PT	OT	SW	RN	OTHER HP
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 SOURCE

Reg	HCP/MSA	Clinic	Self
-----	---------	--------	------

 Previous Client

Y	N
---	---

CONSULTANT/FAMILY PHYSICIAN: _____ ()

Address _____
Street City Postal code

REFERRAL DATE

DAY	MONTH	YEAR

 OPENED DATE

DAY	MONTH	YEAR

 CLOSED DATE

DAY	MONTH	YEAR

Employment Status: Fulltime Part Time
 Self-employed Yes No
 If not working for pay (check one or more):
 Homemaker Student Retired/Not Working
 Volunteer Work Looking for work Maternity Leave
 Laid Off Sick Leave LTD
 STD Other (specify) _____
 Occupation _____

Highest Level of Education:
 Elementary Some College University Graduate
 Some High School College Graduate Post Graduate Degree
 High School Some University Total # Years: _____
 Primary Language: English French Other (specify) _____
 Concurrent Disorder / Precautions _____

Residential Facility/Institution

Y	N
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 House hold Size: Spouse _____ Children _____ Others _____ Total (# incl. client) _____

SIGNATURE: _____ ID #: _____

COMPLETE BELOW ON DISCHARGE

SERVICE (Circle)	# ATT	# HCP/MSA ATT	DATE OF LAST VISIT			ID # / GRP #
			Day	Month	Year	
GP						
SW						
GROUP						
HYDRO						

SERVICE COORDINATOR

TOTAL HCP/MSA ATT: _____ TOTAL ATT: _____

DIRECTORS ONLY SERVICE CODE: _____

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	Neck Disorders
C 1-2 Instability	Rye Neck
CDDD	Sciatica
Compression # Back	Scoliosis
Compression Fractures	Spastic Torticollis
Discs - damaged/removed	Spinal cord decompression
D.I.S.H. Disease	Spinal cord injury
Dorsopathies	Spinal Stenosis
Foraminectomy	Spondylolisthesis
Friedrichs Ataxia	Stenosis L5
Fusion (Back and Spine)	Trauma - Back
Laminectomy	Whiplash
Motor Vehicle Accident (MVA)	

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

Calcium on Shoulder	Osteomyelitis
Chondropathies	Osteopathies
Dislocated Shoulder	Osteosclerosis
Fusion(wrist & ankle joints)	Patellectomy
Hip Pin Plate	Rotator Cuff
Iliotibial Band Syndrome	Tennis Elbow
Musculoskeletal Deformities	Trauma - excluding back

4: HEART

Acute Rheumatic Fever	Congestive Heart Failure
Angina	Coronary Artery Disease
Angioderma	Ischaemic Heart Disease
Aorta Repair	Mitral Valve Prolapse
Aortic Valve Replacement	Myocardial Infarction
Atrial Fibrillation	Pacemaker
Arrhythmia	Palpitation
Bypass Surgery	Pulmonary Circulation
Cardiac Embolism	Rheumatic Heart Disease
Cardiac Murmurs	Tachycardia
Cardio Myopathy	Transient Ischemic Attack

5: STROKE, CIRCULATORY, VASCULAR

Acquired Factor 8 Deficiency	Hypermobility
Anemia	Hypertension
Aneurysm	Intermittent Claudication
Arteries, Diseases	Lymphatic Disease
Arteriosclerotic heart disease/arteriosclerosis	Mitral Stenosis
Blood Disease	Necrosis
Capillaries Diseases	Peripheral Vascular Disease
Cerebral Vascular Accident/Stroke	Phlebitis
Cerebrovascular Disease	Syncope
Cholesterol	Thrombocytopenia
Hemiplegia	Vasculitis
High Blood Pressure	Veins, Diseases
	Vertebral Artery Compromise

6: RESPIRATORY

Apnea	Pleurisy
Asthma	Pneumonia
Bronchitis	Pseudomonas
Bronchiectasis	Pulmonary Edema
Congestive obstructive pulmonary disease	Pulmonary Fibrosis
Emphysema	Respiratory Failure
Histoplasmosis	Shortness of Breath
	Silicosis

7: NEOPLASMS/CARCINOMA

Cancer	Mastectomy
Hodgkins Disease	Melanoma
Lumpectomy	Meningioma
Leukemia	Myeloma
Lipoma	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
Obesity
Pancreatitis
Pyloric Stenosis
Spastic Bowel Syndrome
Ulcerative Colitis
Underweight

9: GENITO/URINARY & KIDNEY

Bladder
Cirrhosis
Cystitis
Cystocele
Endometriosis
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
Blindness
Corneal Perforation
Deafness
Dry Eyes
Ear Problem
Glaucoma

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

14: SKIN/ALLERGIES

Allergies
Alopecia
Cellulitis
Eczema
Foot Ulcers

Hay Fever
Psoriasis
Rosarea
Skin Disease
Skin Lesions

15: OTHER TYPES OF DISORDERS

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

Hyperactivity
Hypothermia
Infectious Mononucleosis
Lithium Toxicity
Meningitis
Mental Disorders
Mental Retardation
Migraine
Myasthenia Gravis
Sarcoid/Sarcoidosis
Schizophrenia
Sepsis
Spina Bifida
Suicidal
Tremors