

# **PRELIMINARY REPORT OF A RESEARCH PROJECT INTO THE EFFECTIVENESS OF SUPPORTED WORK REHABILITATION IN A THERAPEUTIC HORTICULTURAL ENVIRONMENT AT CHERRY TREE NURSERY**

Research started by the Rev Canon Roslyn Aish  
and completed by Matthew Israel (a former volunteer of SWOP)

Introduction from Mr Martin Stewart, Chairman of the Trustees of the Sheltered  
Work Opportunities Project \*

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**Dear Reader**

**It is now over 11 years since a group of people met to debate an idea. The plan was to create a working plant nursery where people with long-term mental health problems could come to work. The advantages would be twofold: firstly to encourage these volunteers into a community project that would greatly improve their self-esteem, and secondly to thereby hopefully reduce the cost of their hospitalisation in the community.**

**If the results of this research do not justify this first meeting, nothing else ever will. It is a very clear endorsement indeed, a wonderful endorsement to that foresight and the work put in by many people since. Surely it says that there should be many more such projects, one in every conurbation, independently run by the community for the community.**

**We, the Trustees, add our grateful thanks to Matthew for completing Roslyn's work, a very worthwhile project indeed.**

**Thank you for reading this report. Tell everyone you know.**

**Martin Stewart  
Chairman of Trustees**

**July 2001**

\* SWOP is a registered charity of which Cherry Tree Nursery is the first project

## **A BRIEF HISTORY OF SWOP**

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It is estimated that around 1 in 4 adults experience a mental health problem at some stage of their lives, and that while many will make a full recovery, some will endure a prolonged period of illness, possibly rendering them incapable of work on the open employment market. A local study\* carried out in 1988 showed that whilst over 80% of people with long-term mental health problems were unemployed, two thirds of this number wanted to work. The study recommended investigating the possibility of voluntary organisations providing sheltered or supported employment.

This need for meaningful occupation was identified by a group of people who regularly worked with people who had long-term mental health problems. They decided to form a committee and the notion of the Sheltered Work Opportunities Project (or SWOP), was born. With the known therapeutic benefit of working with plants, it was decided the proposed project would be in the form of a wholesale shrub nursery. A site was acquired from Bournemouth Borough Council, and the organisation became a charity in February 1990. Its first project was named Cherry Tree Nursery.

Since 1990, the project has been steadily growing. At the start in 1990 there were only 4 volunteers and 1 member of staff for 3 days per week on a 2.5 acre site. By 2001 this had reached a level of 75 volunteers, 36 'Friends' of SWOP, 6 full-time and 2 part-time members of staff for 5 days per week. What was an overgrown wilderness has grown into a modern 4.5 acre nursery producing over 80,000 hardy shrubs per year, and in its first 11 years, the project has helped some 296 people. None of this would have been possible without support of the Dorset HealthCare NHS Trust, from Bournemouth Borough Council, and from Bournemouth, Poole and Dorset Social Services. Of equal importance was the support of our many benefactors, and the hard work of the original founders of the charity. It is hoped that a second project will be opening shortly in Poole.

The volunteers fully participate in the running of the nursery, with around 8 regularly sitting on the Management Committee. There are also 9 Trustees and 6 Patrons, including Baroness Maddock of Christchurch and Dorset.

As well as learning a wide variety of skills, optional events such as outings, barbecues and the annual Christmas Party can help volunteers acquire confidence, social skills and good, understanding friends. Many volunteers may never have had a social life as such and the nursery provides a safe, caring environment in which to socialise.◇

## **PURPOSE OF THE RESEARCH**

It is widely accepted that therapeutic horticulture is extremely beneficial for many people with long-term mental health problems, and rather like the whole issue of mental health, this type of project has gained a higher profile in recent years. However, the trend towards care in the community and the closure of a large number of psychiatric hospitals has contributed to a great increase in the need for such projects. This can be borne out by the fact that the number of volunteers attending Cherry Tree Nursery has increased tenfold since it was conceived, and still there are up to 20 people on the waiting list at

\* Shakespeare et.al. (1988). The quality of life of people using community services for long term mental illness in East Dorset, p.62

any one time!

A survey\*\* commissioned by MIND in 1996, sought to investigate discrimination faced by people with mental health problems, and found that 69% of people had been put off applying for jobs for fear of unfair treatment.

*'The level of discrimination that this survey uncovered has shocked many people at MIND...the findings of this survey raise deep concerns about a large section of the population which is effectively left disenfranchised, and prevented from having a stakehold in society.'*

By 1994, The Sheltered Work Opportunities Project had been running for over 4 years, during which time it helped improve the quality of life of over 100 people, but there had never been any research done to attempt to demonstrate the effectiveness (or ineffectiveness!) of the project.

The Rev. Canon Roslyn Aish, then a Trustee of the project, recognised the need for just such research into the benefits of therapeutic horticulture together with the effect it had had on service users, and decided to study the mental health histories of some 64 clients or volunteers of the project, both past and present. This involved comparing the amount of time each volunteer spent in hospital before, and whilst attending the project and applying costs to these figures. He wanted to find out if volunteers who were attending Cherry Tree Nursery spent less time, on average, in hospital than they did prior to attending. This could underline the value of Cherry Tree Nursery to these individuals, as well as to the community at large, emphasise the value of therapeutic horticulture, and also hopefully encourage other projects to be set up elsewhere.

Roslyn Aish was an ideal person to take up this research, as he had over 25 years experience in welfare work. During the 1970s and 1980s, he spent 12 years as Adviser for Social Responsibility to the Winchester diocese. He had been Director of the Samaritans mid-Wessex branch and also had set up 'MIND befriending' in 1985, which helps patients recovering from serious mental illness.

For over three years, he devoted many hours to gathering the data concerning 64 volunteers, past and present. He determined that this research should be published, but unfortunately fell ill and sadly died in September 2000, before it could be completed. There is no doubt that without his invaluable contribution, there would have been no research into how Cherry Tree Nursery affects the lives of those who use it, and without his energy, enthusiasm and sheer drive, Cherry Tree Nursery would have been a poorer place.◇

\*\*Jim Read & Sue Baker (1996). "Not Just Sticks & Stones". A survey of the Stigma, Taboos and Discrimination Experienced by People with Mental Health Problems, p.3

## METHODS USED

Following Roslyn's death, the Trustees of SWOP asked me to complete and publish his research. I had been a volunteer at Cherry Tree Nursery for over 3 years, before successfully obtaining full-time employment. Originally, Roslyn's research encompassed only 64 volunteers, and looked at their mental health history up until the end of 1998. I decided to extend the period up until the end of April 2000. This coincided with the tenth anniversary of the Sheltered Work Opportunities Project, and would show more recent developments. I also decided to increase the number of volunteers by 36, to take the figure up to 100. Firstly this was a nice round number, and secondly it would take into account the substantial growth of the project.

The extra volunteers were chosen by randomly selecting the names from a list of the volunteers who had attended Cherry Tree Nursery and were not included in the original 64. Having discussed these extra volunteers with the manager, some names were discounted because they had attended the nursery for less than 3 months (this was the figure that Roslyn had decided on). Others would knowingly object to having their information used as part of a research study (although no real names are used on ANY document published). More names were randomly selected until I had 36 volunteers I could put with the original 64 to total 100.

It is worth emphasising that all information has been treated in the strictest confidence and no names will be included either in the appendix or in any other section. However, each volunteer needed to be identified for the purposes of the data collection, so they were all given a number from 1 to 100.

Roslyn had already counted the length of time the 64 volunteers he researched had spent in hospital both before and during attendance at Cherry Tree, so I had to find out the complete histories for the new volunteers, and update the histories (if appropriate) of the other 64. This was done through records at Cherry Tree Nursery, as well as those from St Ann's, the local psychiatric hospital. Continuing on from Roslyn's work, I took the Pre SWOP era to be from the first time they went into hospital, up until the day before they joined the nursery. Similarly, the SWOP era was from the day they joined the nursery up until either the day they left or 30 April 2000, which is where my research finishes. I also split the hospitals into three groups – St Ann's, Hahnemann House\*/Nightingale House\* In Patient and Hahnemann House/Nightingale House Day Patient. This is following on from Roslyn's research, and also reflects the different costs of keeping a person in each of these hospitals.

The next step was to count the number of days each person spent in these three hospital groups both before attending and whilst attending the nursery. I then calculated the figures to work out the total number of hospital days. As stated above, I took the Pre SWOP Era to be the period from the day the volunteer first went into hospital until the day before they started attending Cherry Tree Nursery. To work out the average number of days per year each volunteer spent in hospital, I divided the number of days spent in hospital by the number of years in the Pre SWOP Era. So, for example, if a volunteer spent 3 days in hospital over a time period of 2 years, then they would have spent on average 1.5 days per year in hospital. This calculation is necessary because the length of the Pre SWOP Era is likely to be different from the SWOP Era. Thus by using the average, one is comparing like with like.

\* local rehabilitation units

After having worked out all this information for each of the 100 volunteers, I then totalled all the figures, enabling a simple comparison to be made between the total number of hospital days in the Pre SWOP Era, compared with the Post SWOP Era.

The next stage was to apply the costing supplied by the Dorset HealthCare NHS Trust. As before, the figures for each of the 100 volunteers were added up, so a comparison could be made between the amount the sample group cost the NHS before attending Cherry Tree Nursery, and how much they cost after.◊

## STATISTICAL ANALYSIS

After analysing the mental health histories of the 100 volunteers, other information was studied, such as the place from where volunteers were referred, and the age at which they first attended Cherry Tree Nursery. Some very interesting information came to light. Firstly (left) over 80% of the

<b>GENDER OF SWOP VOLUNTEERS</b>	
MALE	82%
FEMALE	18%

sample were male – does this show that mental illness is more prevalent in men, or is it that women's mental health issues are more subtle, and less likely to be picked up on, or that women are not so often referred to horticultural projects? The average age of a volunteer when first joining Cherry Tree Nursery was 35.51. For men it was marginally higher than it was for women. As can be seen right, nearly 40% of the women joined Cherry Tree Nursery before they turned 30, compared with 32% of the

<b>AGE AT WHICH THE 18 WOMEN JOINED SWOP</b>	
0-19	0%
20-29	39%
30-39	22%
40-49	22%
50-59	17%
60+	0%

men (left). Perhaps this signifies that mental health issues amongst younger women are now being identified more. Please note that the lowest age limit at Cherry Tree Nursery is 18 and there is no upper age limit. Nearly 1 in 3 volunteers joined after their 40th birthday, (below right) - many of these volunteers had been employed on the open job market, and had suffered

<b>AGE AT WHICH THE 82 MEN JOINED SWOP</b>	
0-19	4%
20-29	28%
30-39	41%
40-49	15%
50-59	11%
60+	1%

mental illness later on in life. This shows that mental health problems can occur at any age, and can affect people with widely differing backgrounds. Since there is no time limit to their attendance, many volunteers have suggested that they see Cherry Tree Nursery as their long-term 'home', and this is borne out by the fact that of those volunteers still at the Nursery, (below) nearly 60% have attended for 3 years and over and 32% have attended for 6 or more years. Indeed, of the 100 volunteers in the sample (above right), 52% were still at the Nursery. However,

<b>AGE AT WHICH THE 100 VOLUNTEERS STARTED SWOP</b>	
0-19	3%
20-29	30%
30-39	38%
40-49	16%
50-59	12%
60+	1%

of those volunteers no longer attending, over 70% left within 2 years (over page). While Cherry Tree Nursery doesn't suit everyone, some people may have recovered enough to leave and either work or train full-time. In fact, under half of the people who have left the Nursery have gone into employment or training. It is interesting to look at the destinations of those volunteers who moved on from the Nursery. Of the

<b>NO OF YEARS SPENT AT SWOP BY THOSE WHO ARE STILL AT SWOP AS AT 30 APRIL 2000</b>	
<1 year	9%
1-2 year	7%
2-3 years	26%
3-4 years	17%
4-5 years	7%
5-6 years	2%

volunteers who left Cherry Tree Nursery (below), 49% went either into employment or training, with 20% going into full-time employment and a total of 26% who have taken some sort of paid employment. A further 7% decided that they were unable to work - on the surface this seems a 'negative', but in fact it could be seen as being a 'positive', as they clearly now had more insight into their capabilities and knew they could not cope on the open job market. As can

<b>NO OF YEARS SPENT AT SWOP BY ALL 100 VOLUNTEERS AS AT 30 APRIL 2000</b>	
< 1 year	25%
1-2 years	17%
2-3 years	20%
3-4 years	13%
4-5 years	5%
5-6 years	2%
> 6 years	18%

<b>DESTINATION OF VOLUNTEERS AFTER LEAVING SWOP</b>	
AFTER LONG STAY, CDN'T WORK	11%
WENT TO ANOTHER PLACEMENT	4%
FULL TIME EMPLOYMENT.....	20%
FULL TIME TRAINING.....	4%
GOVT TRAINING SCHEME.....	2%
LEFT THE AREA.....	4%
LEFT DUE TO ILLNESS.....	29%
PART TIME EMPLOYMENT.....	2%
BECAME SELF EMPLOYED.....	4%
UNABLE TO WORK.....	7%
OTHER VOLUNTARY WORK.....	13%

be seen from the data (right) on 30 April 2000 over half of the 100 people sampled were still at the Nursery. Altogether, almost three quarters of the 100 volunteers at that time were either employed, participating in training or attending Cherry Tree Nursery.

The close links between Cherry Tree Nursery and the Dorset HealthCare NHS Trust are borne out by the fact that 70% of the sample (left) were referred to Cherry Tree Nursery via the Trust. It should be noted that the support

given to the project by the Trust has been invaluable and very much appreciated.

Interestingly, although nearly 8 out of 10 of the sample (right) were resident in the Borough of Bournemouth, 11% lived in Poole, a significant minority which could suggest that there is a need for such a project in the Poole area, a situation which will hopefully soon become a reality.

<b>DESTINATION OF VOLUNTEERS AS AT 30 APRIL 2000</b>	
AFTER LONG STAY, CDN'T WORK	.5%
WENT TO ANOTHER PLACEMENT	.2%
FULL TIME EMPLOYMENT.....	9%
FULL TIME TRAINING.....	2%
GOVT TRAINING SCHEME.....	1%
LEFT THE AREA.....	2%
LEFT DUE TO ILLNESS.....	13%
PART TIME EMPLOYMENT.....	1%
BECAME SELF EMPLOYED.....	2%
UNABLE TO WORK.....	3%
OTHER VOLUNTARY WORK.....	6%
CHERRY TREE NURSERY .....	54%

It is worth pointing out that SWOP's criteria states volunteers should make

<b>ORGANISATIONS VOLUNTEERS WERE REFERRED FROM</b>	
COMMUNITY	4%
DORSET HEALTHCARE NHS TRUST	70%
EMPLOYMENT SERVICE	15%
KINGSTON MAURWARD COLLEGE	1%
RICHMOND FELLOWSHIP	4%
SOCIAL WORKER	5%
VOLUNTEER BUREAU	1%

their own way to and from the nursery and in fact some live up to 20 miles away. A number of people who have been referred to the nursery and who live in the Poole area have been unable to take up their place due to the

<b>AREA OF RESIDENCE</b>	
BOURNEMOUTH	79%
POOLE	10%
HAMPSHIRE	0%
DORSET .....	11%

difficulties of getting to Cherry Tree by public transport. There has recently been an increasing number of referrals from Hampshire, which suggests that as more people hear of the project, the catchment area and demand grows, and therefore there is clearly a need for similar projects to be started in the West Hampshire area.◇

## ANALYSIS OF THE RESULTS

Within the context of this research, the one dramatic fact that stands out is that, on average, volunteers spent 86% less time in hospital while at Cherry Tree Nursery than they did prior to attending. This figure is based on the average number of days per year spent in hospital whilst attending Cherry Tree Nursery, compared with the figure before attending.

The percentage fall in the amount of time spent in hospital is summarised in the table below:-

	Average no of days per year spent in St Ann's	Average no of days per year spent in Hahnemann/Nightingale (in)	Average no of days per year spent in Hahnemann/Nightingale (day)
Before attending	35.62	8.49	10.81
During attending	2.83	3.49	3.13
Change%	-92.06	-58.89	-71.05

In terms of actual number of days in hospital, the fall is even more dramatic, due to the fact that the pre-Cherry Tree Nursery era is 26% longer, on average, than the Cherry Tree Nursery era. This is summarised below:-

	Total no of days spent in St Ann's	Total no of days per year spent in Hahnemann/Nightingale (in)	Total no of days spent in Hahnemann/Nightingale (day)	Total no of days spent in hospital
Before attending	10,693	6,170	6,847	23,710
During attending	860	1,286	1,112	3,258
Change %	-91.96	-79.16	-83.76	-86.26

The largest fall was in admissions to St Ann's – the cost effectiveness of this is even more substantial as St Ann's is a more expensive place to stay than Hahnemann/Nightingale.

The daily costs of care, kindly provided by Roger Browning (Chief Executive of the Dorset HealthCare NHS Foundation Trust), are as follows:-

For example, if a volunteer spent 5 days in St Ann's and 10 days as a day patient at Hahnemann House, the total cost would be £1,611.

	St Ann's (in)	Nightingale/Hahnemann (in)	Nightingale/Hahnemann (day)
Cost per day excluding administration fee of 10%	£162	£147.60	£80.10

An attempt has been made to give a rough estimate of the amount of money that the 100 volunteers saved (or costed) the NHS whilst attending Cherry Tree Nursery, as compared with the cost to the NHS before they attended. This is summarised in the table on the top of the next page.

Therefore, it is estimated that, using the current costing figures, the 100 volunteers have between them over the ten year period, by attending Cherry Tree Nursery, saved the NHS approximately **2.75 million pounds**.◇

	Cost of staying in St Ann's (in)	Cost of staying in Hahnemann/Nightingale (in)	Cost of staying in Hahnemann/Nightingale (day)	TOTAL COST
Before attending	£1,732,266.00	£910,692.00	£548,444.70	£3,191,402.70
During attending	£139,320.00	£189,813.60	£89,071.20	£418,204.80
Difference	£1,592,946.00	£720,878.40	£459,373.50	£2,773,197.00



## CASE STUDIES

### 1 Volunteer No. 76 – ‘Ann’

Ann had been engaged in office work all her life before being made redundant, which partially led to her suffering a breakdown in 1993. She was admitted to St Ann's in November of that year, where she stayed for 29 days, but was keen to find something to occupy herself, ideally to do with plants and gardening.

Ann was advised about Cherry Tree Nursery by a social worker and began attending soon after leaving hospital, starting off with general nursery work, such as potting and weeding. Gradually she became more based in the office doing secretarial and clerical work, and this helped her secure a part-time job for 16 hours a week as a secretary in September 1994. By April 2000, she was still in this job, having increased her hours to 21 per week, but regularly doing extra work at home.

Ann's increased confidence using a computer has led her to take a number of courses, including Desktop Publishing and Database Management, and this knowledge has been used to create three major databases. Ann is certain that the help and support received at Cherry Tree Nursery has given her a new lease of life:

"My whole life has changed and I feel a respected member of the community".

### 2 Volunteer No. 33 – ‘Charlotte’

Charlotte first went into hospital in 1986, when she was in her early twenties, going into Hahnemann House, a local rehabilitation unit for nearly two years. By the summer of 1988, she had moved back home, but continued to attend Hahnemann House as a day patient for three further months. Charlotte then attended Bridges, a horticultural rehabilitation project, before being referred to Cherry Tree Nursery in the Autumn of 1990

By April 2000, Charlotte had been attending for nearly 10 years, and was by now the nursery's 'receptionist', as well as continuing her previous domestic duties. She is happy and settled, and has made many good friends."◇



## EPILOGUE

It is important to note that this is the first stage of what could be an in-depth study, looking only at the number of days spent in hospital. There are also other factors involved that can lead to a reduction in hospital admissions and a general improvement in the quality of life, and which without further in-depth analysis, cannot be quantified. For example, extended research could examine whether attending the project helps reduce the amount of medication volunteers take. Another possibility could be to ask a series of questions scaled between 1 and 5, relating to each volunteer's mental health history and their attitude to Cherry Tree Nursery. It may also be feasible to extend the research up until 30 April 2001 to bring it more up-to-date. Based on hospital admissions, the figures would still seem to suggest that meaningful occupation reduces time spent in psychiatric hospitals, and thus reduces costs to the NHS.

However, the real value of a project such as Cherry Tree Nursery is not just measured by the reduction in hospital admissions, dramatic as it is. Rather, the sheer fact that as at 30 April 2000, 79% of the sample were either attending Cherry Tree Nursery, or had left to take up employment or training. This shows that for the vast majority of volunteers, the project has helped to improve the lives and prospects of those who have attended.

Equally, 32% of the sample of 100 volunteers have been in attendance for 6 years or more, which shows there is a substantial number who view Cherry Tree Nursery as their home and their family, and there is no qualitative analysis which could do justice to that. The real value of Cherry Tree Nursery can be summarised by these two quotes, one from a long-standing volunteer, the other from a former volunteer who now has a part-time job:-

*"Cherry Tree Nursery helps me to associate with other people...it helps me feel better".*

*"Cherry Tree has brought me back from the dead. It helps and supports me continuously every day, year in, year out. It gives me a reason for living, and something I keep looking forward to."*◇



## ACKNOWLEDGEMENTS

I would like to thank everyone who has assisted me with this research. Special thanks must go to Mr Roger Browning, Chief Executive of Dorset HealthCare NHS Foundation Trust, who kindly provided the latest costing of hospital care, June Wood, Head of Rehabilitation and Continuing Care at Herbert Hospital, and Jessica Davies, Manager of Cherry Tree Nursery. I am also grateful to the Trustees of SWOP for their advice and guidance.

Finally, I would like to pay tribute to the work of the late Roslyn Aish, who initiated this research – without his determination and hard work, this research may never have been initiated.

## **APPENDICES**

APPENDIX A: (see page 11) The average number of days per year each of the 100 volunteers spent in hospital, both before and during attendance of Cherry Tree Nursery.

APPENDIX B: The cost of staying in hospital for each of the 100 volunteers.

APPENDIX C: The length of time each of the 100 volunteers spent in hospital, both before and during attendance of Cherry Tree Nursery.

**AVERAGE NO OF DAYS PER YEAR EACH VOLUNTEER SPENT IN HOSPITAL – BOTH BEFORE AND DURING ATTENDANCE AT CHERRY TREE NURSERY – APPENDIX A**

V O L U N T E E R N O	M/F	TOTAL	AV NO OF DAYS SPENT IN HOSPITAL P/Y PRE SWOP			TOTAL	AV NO OF DAYS SPENT IN HOSPITAL P/Y DURING SWOP		
		NO OF HOSPITAL DAYS	ST ANN'S	NIGHTINGALE/HAHNEMANN (IN)	NIGHTINGALE/HAHNEMANN (DAY)	NO OF HOSPITAL DAYS	ST ANN'S	NIGHTINGALE/HAHNEMANN (IN)	NIGHTINGALE/HAHNEMANN (DAY)
1	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
2	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
3	M	8	0.48	0.00	0.00	0	0.00	0.00	0.00
4	F	0	0.00	0.00	0.00	0	0.00	0.00	0.00
5	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
6	M	22	0.00	0.00	0.00	0	0.00	0.00	0.00
7	F	160	19.37	0.00	0.00	0	0.00	0.00	0.00
8	M	2123	0.00	173.90	12.65	691	0.00	162.59	0.00
9	M	632	0.00	28.83	59.19	21	2.41	0.00	0.00
10	M	7	19.44	0.00	0.00	0	0.00	0.00	0.00
11	M	251	149.40	0.00	0.00	0	0.00	0.00	0.00
12	M	15	9.49	0.00	0.00	0	0.00	0.00	0.00
13	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
14	M	618	1.07	19.77	26.51	0	0.00	0.00	0.00
15	F	0	0.00	0.00	0.00	7	5.26	0.00	0.00
16	M	985	65.89	0.00	0.00	0	0.00	0.00	0.00
17	F	2249	60.75	28.14	0.00	497	117.11	46.38	00
18	M	10	16.67	0.00	0.00	0	0.00	0.00	0.00
19	M	416	47.92	0.00	53.79	0	0.00	0.00	0.00
20	M	92	29.77	0.00	0.00	0	0.00	0.00	0.00
21	M	270	15.33	0.00	0.00	0	0.00	0.00	0.00
22	M	340	23.50	0.00	0.00	0	0.00	0.00	0.00
23	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
24	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
25	M	35	3.11	0.00	0.00	0	0.00	0.00	0.00
27	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
28	M	140	16.80	37.89	0.00	62	18.84	0.00	0.00
29	M	1555	17.26	17.26	60.00	472	4.10	15.08	27.97
30	M	463	54.96	0.00	25.57	11	2.49	0.55	0.00
31	M	113	217.30	0.00	0.00	0	0.00	0.00	0.00
32	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
33	F	507	0.00	85.97	26.95	0	0.00	0.00	0.00

V O L N O	M/F	TOTAL NO OF HOSPIT AL DAYS	AV NO SPENT OF DAYS SPENT IN HOSPITAL P/YR PRE SWOP			TOTAL NO OF HOSPITAL DAYS	AV NO OF DAYS SPENT IN HOSPITAL P/YR DURING SWOP		
			ST ANN'S	NIGHTINGAL E/HAHNEMA NN (IN)	NIGHTINGAL E/ HAHNEMANN (DAY)		ST ANN'S	NIGHTINGAL E/HAHNEMA NN (IN)	NIGHTINGAL E/HAHNEMA NN (DAY)
34	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
35	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
36	F	162	99.39	0.00	0.00	0	0.00	0.00	0.00
38	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
37	F	83	70.34	0.00	0.00	67	32.21	0.00	0.00
39	M	876	17.18	58.78	91.22	0	0.00	0.00	0.00
40	M	13	19.40	0.00	0.00	0	0.00	0.00	0.00
41	M	54	21.34	0.00	0.00	28	17.95	0.00	0.00
42	F	513	49.08	0.00	44.87	0	0.00	0.00	0.00
43	F	565	0.00	3.80	72.96	0	0.00	0.00	0.00
44	M	14	107.69	0.00	0.00	0	0.00	0.00	0.00
45	M	747	44.31	15.55	65.05	0	0.00	0.00	0.00
46	M	92	37.70	0.00	0.00	0	0.00	0.00	0.00
47	M	42	6.00	0.00	3.00	0	0.00	0.00	0.00
48	F	51	10.45	0.00	0.00	0	0.00	0.00	0.00
49	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
50	M	300	147.06	0.00	0.00	17	0.00	42.50	0.00
51	M	544	44.61	2.33	0.00	0	0.00	0.00	0.00
52	F	63	42.00	0.00	0.00	0	0.00	0.00	0.00
53	F	213	36.40	0.00	6.20	30	17.44	0.00	0.00
54	M	40	78.43	0.00	0.00	0	0.00	0.00	0.00
55	M	182	245.95	0.00	0.00	0	0.00	0.00	0.00
56	F	0	0.00	0.00	0.00	0	0.00	0.00	0.00
57	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
58	M	948	38.04	136.31	98.85	0	0.00	0.00	0.00
59	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
60	F	451	0.00	0.00	114.76	30	6.42	0.00	0.00
61	M	0	0.00	0.00	0.00	8	3.20	0.00	0.00
62	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
63	F	0	0.00	0.00	0.00	0	0.00	0.00	0.00
64	M	0	0.00	0.00	0.00	28	2.83	0.00	0.00
65	M	108	95.58	0.00	0.00	0	0.00	0.00	0.00
66	F	5	1.26	0.00	0.00	0	0.00	0.00	0.00
67	M	30	0.00	2.90	0.00	0	0.00	0.00	0.00
68	M	1	0.96	0.00	0.00	0	0.00	0.00	0.00

V O L N O	M/F	TOTAL NO OF HOSPITAL DAYS	AV NO OF DAYS SPENT IN HOSPITAL P/Y PRE SWOP			TOTAL NO OF HOSPITAL DAYS	AV NO OF DAYS SPENT IN HOSPITAL P/Y DURING SWOP		
			ST ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGALE/ HAHNEMANN (DAY)		ST ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGALE/ HAHNEMANN (DAY)
69	M	35	96.30	33.33	0.00	397	10.00	78.48	31.81
70	M	241	78.50	0.00	0.00	0	.00	0.00	0.00
71	M	55	3.42	0.00	0.00	0	0.00	0.00	0.00
72	M	4	1.17	0.00	0.00	537	0.00	3.83	78.29
73	M	651	33.06	0.00	0.00	0	0.00	0.00	0.00
74	M	373	109.76	0.00	117.68	172	0.00	0.00	168.63
75	M	43	91.49	0.00	0.00	0	0.00	0.00	0.00
76	F	29	322.22	0.00	0.00	0	0.00	0.00	0.00
77	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
78	M	192	14.69	15.77	11.02	0	0.00	0.00	0.00
79	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
80	F	204	8.84	0.00	0.00	0	0.00	0.00	0.00
81	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
82	M	0	0.00	0.00	0.00	7	2.06	0.00	0.00
83	M	368	7.91	0.00	28.03	0	0.00	0.00	0.00
84	M	403	89.56	0.00	0.00	0	0.00	0.00	0.00
85	M	896	10.01	12.52	15.63	0	0.00	0.00	0.00
86	M	549	116.67	38.27	14.51	0	0.00	0.00	0.00
87	M	102	173.00	0.00	0.00	0	0.00	0.00	0.00
88	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
89	M	10	4.41	0.00	0.00	0	0.00	0.00	0.00
90	M	2	50.00	0.00	0.00	0	0.00	0.00	0.00
91	M	11	3.33	0.00	0.00	71	23.51	0.00	0.00
92	M	232	15.48	59.35	0.00	33	7.08	0.00	0.00
93	M	179	203.41	0.00	0.00	0	0.00	0.00	0.00
94	M	108	51.18	0.00	0.00	0	0.00	0.00	0.00
95	M	32	19.16	0.00	0.00	26	6.68	0.00	0.00
96	M	63	28.13	0.00	0.00	0	0.00	0.00	0.00
97	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
98	M	0	0.00	0.00	0.00	0	0.00	0.00	0.00
99	M	0	0.00	0.00	0.00	3	3.61	0.00	0.00
100	M	1653	3.25	78.44	132.99	43	0.00	0.00	6.29
T		23710	35.62	8.49	10.81	3258	2.83	3.49	3.13

**COST OF STAYING IN HOSPITAL FOR EACH OF THE 100 VOLUNTEERS –  
APPENDIX B**

V O L U N T E E R N O	COST OF STAYING IN HOSPITAL PRE SWOP			TOTAL COST PRE SWOP	COST OF STAYING IN HOSPITAL DURING SWOP			TOTAL COST POST SWOP
	ST ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGALE/ HAHNEMANN (DAY)		ST ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGALE/ HAHNEMANN (DAY)	
1	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
2	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
3	£1,296.00	£0.00	£0.00	<b>£1,296.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
4	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
5	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
6	£3,564.00	£0.00	£0.00	<b>£3,564.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
7	£25,920.00	£0.00	£0.00	<b>£25,920.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
8	£0.00	£292,100.40	£11,534.40	<b>£303,634.80</b>	£0.00	£101,991.60	£0.00	<b>£101,991.60</b>
9	£0.00	£30,553.20	£34,042.50	<b>£64,595.70</b>	£3,402.00	£0.00	£0.00	<b>£3,402.00</b>
10	£1,134.00	£0.00	£0.00	<b>£1,134.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
11	£40,662.00	£0.00	£0.00	<b>£40,662.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
12	£2,430.00	£0.00	£0.00	<b>£2,430.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
13	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
14	£2,268.00	£38,080.80	£27,714.60	<b>£68,063.40</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
15	£0.00	£0.00	£0.00	<b>£0.00</b>	£1,134.00	£0.00	£0.00	<b>£1,134.00</b>
16	£159,570.00	£0.00	£0.00	<b>£159,570.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
17	£248,994.00	£105,091.20	£0.00	<b>£354,085.20</b>	£57,672.00	£20,811.60	£0.00	<b>£78,483.60</b>
18	£1,620.00	£0.00	£0.00	<b>£1,620.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
19	£31,752.00	£0.00	£17,622.00	<b>£49,374.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
20	£14,904.00	£0.00	£0.00	<b>£14,904.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
21	£43,740.00	£0.00	£0.00	<b>£43,740.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
22	£55,080.00	£0.00	£0.00	<b>£55,080.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
23	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
24	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
25	£5,670.00	£0.00	£0.00	<b>£5,670.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
26	£27,054.00	£0.00	£0.00	<b>£27,054.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
27	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
28	£6,966.00	£14,317.20	£0.00	<b>£21,283.20</b>	£10,044.00	£0.00	£0.00	<b>£10,044.00</b>
29	£46,008.00	£41,918.40	£79,058.70	<b>£166,985.10</b>	£6,642.00	£22,287.60	£22,428.00	<b>£51,357.60</b>
30	£51,192.00	£0.00	£11,774.70	<b>£62,966.70</b>	£1,458.00	£295.20	£0.00	<b>£1,753.20</b>
31	£18,306.00	£0.00	£0.00	<b>£18,306.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
32	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
33	£0.00	£56,973.60	£9,692.10	<b>£66,665.70</b>	£0.00	£0.00	£0.00	<b>£0.00</b>

V O L NO	COST OF STAYING IN HOSPITAL PRE SWOP			TOTAL COST PRE SWOP	COST OF STAYING IN HOSPITAL DURING SWOP			TOTAL COST POST SWOP
	ST ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGALE/ HAHNEMANN (DAY)		ST. ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGAL E/HAHNEMA NN (DAY)	
34	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
35	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
36	£26,244.00	£0.00	£0.00	£26,244.00	£0.00	£0.00	£0.00	£0.00
37	£13,446.00	£0.00	£0.00	£13,446.00	£10,854.00	£0.00	£0.00	£10,854.00
38	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
39	£14,580.00	£45,460.80	£38,287.80	£98,328.60	£0.00	£0.00	£0.00	£0.00
40	£2,106.00	£0.00	£0.00	£2,106.00	£0.00	£0.00	£0.00	£0.00
41	£8,748.00	£0.00	£0.00	£8,748.00	£4,536.00	£0.00	£0.00	£4,536.00
42	£43,416.00	£0.00	£19,624.50	£63,040.50	£0.00	£0.00	£0.00	£0.00
43	£0.00	£4,132.80	£43,013.70	£47,146.50	£0.00	£0.00	£0.00	£0.00
44	£2,268.00	£0.00	£0.00	£2,268.00	£0.00	£0.00	£0.00	£0.00
45	£42,930.00	£13,726.80	£31,158.90	£87,815.70	£0.00	£0.00	£0.00	£0.00
46	£14,904.00	£0.00	£0.00	£14,904.00	£0.00	£0.00	£0.00	£0.00
47	£4,536.00	£0.00	£1,121.40	£5,657.40	£0.00	£0.00	£0.00	£0.00
48	£8,262.00	£0.00	£0.00	£8,262.00	£0.00	£0.00	£0.00	£0.00
49	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
50	£48,600.00	£0.00	£0.00	£48,600.00	£0.00	£2,509.20	£0.00	£2,509.20
51	£83,754.00	£3,985.20	£0.00	£87,739.20	£0.00	£0.00	£0.00	£0.00
52	£10,206.00	£0.00	£0.00	£10,206.00	£0.00	£0.00	£0.00	£0.00
53	£29,484.00	£0.00	£2,483.10	£31,967.10	£4,860.00	£0.00	£0.00	£4,860.00
54	£6,480.00	£0.00	£0.00	£6,480.00	£0.00	£0.00	£0.00	£0.00
55	£29,484.00	£0.00	£0.00	£29,484.00	£0.00	£0.00	£0.00	£0.00
56	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
57	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
58	£21,384.00	£69,814.80	£27,474.30	£118,673.10	£0.00	£0.00	£0.00	£0.00
59	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
60	£0.00	£0.00	£36,125.10	£36,125.10	£4,860.00	£0.00	£0.00	£4,860.00
61	£0.00	£0.00	£0.00	£0.00	£1,296.00	£0.00	£0.00	£1,296.00
62	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
63	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00	£0.00
64	£0.00	£0.00	£0.00	£0.00	£4,536.00	£0.00	£0.00	£4,536.00
65	£17,496.00	£0.00	£0.00	£17,496.00	£0.00	£0.00	£0.00	£0.00
66	£810.00	£0.00	£0.00	£810.00	£0.00	£0.00	£0.00	£0.00
67	£0.00	£4,428.00	£0.00	£4,428.00	£0.00	£0.00	£0.00	£0.00
68	£162.00	£0.00	£0.00	£162.00	£0.00	£0.00	£0.00	£0.00
69	£4,212.00	£1,328.40	£0.00	£5,540.40	£5,346.00	£38,228.40	£8,410.50	£51,984.90

V O L NO	COST OF STAYING IN HOSPITAL PRE SWOP			TOTAL COST PRE SWOP	COST OF STAYING IN HOSPITAL DURING SWOP			TOTAL COST POST SWOP
	ST ANN'S	NIGHTINGAL E/HAHNEMA NN (IN)	NIGHTINGALE/ HAHNEMANN (DAY)		ST. ANN'S	NIGHTINGALE/ HAHNEMANN (IN)	NIGHTINGAL E/HAHNEMA NN (DAY)	
70	£39,042.00	£0.00	£0.00	<b>£39,042.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
71	£8,910.00	£0.00	£0.00	<b>£8,910.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
72	£648.00	£0.00	£0.00	<b>£648.00</b>	£0.00	£3,690.00	£41,011.20	<b>£44,701.20</b>
73	£105,462.00	£0.00	£0.00	<b>£105,462.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
74	£29,160.00	£0.00	£15,459.30	<b>£44,619.30</b>	£0.00	£0.00	£13,777.20	<b>£13,777.20</b>
75	£6,966.00	£0.00	£0.00	<b>£6,966.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
76	£4,698.00	£0.00	£0.00	<b>£4,698.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
77	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
78	£11,016.00	£10,774.80	£4,085.10	<b>£25,875.90</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
79	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
80	£33,048.00	£0.00	£0.00	<b>£33,048.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
81	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
82	£0.00	£0.00	£0.00	<b>£0.00</b>	£1,134.00	£0.00	£0.00	<b>£1,134.00</b>
83	£13,122.00	£0.00	£22,988.70	<b>£36,110.70</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
84	£65,286.00	£0.00	£0.00	<b>£65,286.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
85	£38,070.00	£43,394.40	£29,396.70	<b>£110,861.10</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
86	£61,236.00	£18,302.40	£3,764.70	<b>£83,303.10</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
87	£16,524.00	£0.00	£0.00	<b>£16,524.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
88	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
89	£1,620.00	£0.00	£0.00	<b>£1,620.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
90	£324.00	£0.00	£0.00	<b>£324.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
91	£1,782.00	£0.00	£0.00	<b>£1,782.00</b>	£11,502.00	£0.00	£0.00	<b>£11,502.00</b>
92	£7,776.00	£27,158.40	£0.00	<b>£34,934.40</b>	£5,346.00	£0.00	£0.00	<b>£5,346.00</b>
93	£28,998.00	£0.00	£0.00	<b>£28,998.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
94	£17,496.00	£0.00	£0.00	<b>£17,496.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
95	£5,184.00	£0.00	£0.00	<b>£5,184.00</b>	£4,212.00	£0.00	£0.00	<b>£4,212.00</b>
96	£10,206.00	£0.00	£0.00	<b>£10,206.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
97	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
98	£0.00	£0.00	£0.00	<b>£0.00</b>	£0.00	£0.00	£0.00	<b>£0.00</b>
99	£0.00	£0.00	£0.00	<b>£0.00</b>	£486.00	£0.00	£0.00	<b>£486.00</b>
100	£4,050.00	£89,150.40	£82,022.40	<b>£175,222.80</b>	£0.00	£0.00	£3,444.30	<b>£3,444.30</b>
<b>T</b>	<b>£1,732,266.00</b>	<b>£910,692.00</b>	<b>£548,444.70</b>	<b>£3,191,402.70</b>	<b>£139,320.00</b>	<b>£189,813.60</b>	<b>£89,071.20</b>	<b>£418,204.80</b>





**THE LENGTH OF TIME EACH VOLUNTEER SPENT IN HOSPITAL BOTH BEFORE AND DURING ATTENDANCE AT CHERRY TREE NURSERY – APPENDIX C**

VOL NO	M/F	LENGTH OF PRE SWOP ERA (DAYS)	LENGTH OF PRE SWOP ERA (YEARS)	TOTAL NO OF HOSPITAL DAYS	LENGTH OF SWOP ERA DAYS	LENGTH OF SWOP ERA YEARS	TOTAL NO OF HOSPITAL DAYS
1	M	0	0.00	0	819	2.24	0
2	M	0	0.00	0	3,407	9.33	0
3	M	6,135	16.81	8	866	2.37	0
4	F	0	0.00	0	669	1.83	0
5	M	0	0.00	0	2,526	6.92	0
6	M	2,806	7.69	22	156	0.43	0
7	F	3,015	8.26	160	759	2.08	0
8	M	4,155	11.38	2,123	1,552	4.25	691
9	M	2,620	7.18	632	3,180	8.71	21
10	M	130	0.36	7	184	0.50	0
11	M	612	1.68	251	217	0.59	0
12	M	575	1.58	15	424	1.16	0
13	M	0	0.00	0	729	2.00	0
14	M	4,765	13.05	618	1,033	2.83	0
15	F	0	0.00	0	485	1.33	7
16	M	5,456	14.95	985	3,407	9.33	0
17	F	9,235	25.30	2,249	1,109	3.04	497
18	M	220	0.60	10	211	0.58	0
19	M	1,493	4.09	416	2,754	7.55	0
20	M	1,128	3.09	92	790	2.16	0
21	M	6,426	17.61	270	1,117	3.06	0
22	M	5,282	14.47	340	1,383	3.79	0
23	M	0	0.00	0	790	2.16	0
24	M	0	0.00	0	3,133	8.58	0
25	M	4,111	11.26	35	647	1.77	0
26	M	1,336	3.66	167	728	1.99	0
27	M	0	0.00	0	1,672	4.58	0
28	M	935	2.56	140	1,202	3.29	62
29	M	6,007	16.45	1,555	3,653	10.01	472
30	M	2,097	5.75	463	1,321	3.62	11
31	M	189	0.52	113	90	0.25	0
32	M	0	0.00	0	638	1.75	0
33	F	1,639	4.49	507	3,498	9.58	0
34	M	0	0.00	0	1,886	5.17	0

VOL NO	M/F	LENGTH OF PRE SWOP ERA (DAYS)	LENGTH OF PRE SWOP ERA (YEARS)	TOTAL NO OF HOSPITAL DAYS	LENGTH OF SWOP ERA DAYS	LENGTH OF SWOP ERA YEARS	TOTAL NO OF HOSPITAL DAYS
35	M	0	0.00	0	1,645	4.51	0
36	F	594	1.63	162	1,257	3.44	0
37	F	432	1.18	83	759	2.08	67
38	M	0	0.00	0	242	0.66	0
39	M	1,914	5.24	876	456	1.25	0
40	M	245	0.67	13	540	1.48	0
41	M	924	2.53	54	571	1.56	28
42	F	1,993	5.46	513	347	0.95	0
43	F	2,686	7.36	565	3,226	8.84	0
44	M	47	0.13	14	105	0.29	0
45	M	2,184	5.98	747	256	0.70	0
46	M	897	2.44	92	1,383	3.79	0
47	M	1,704	4.67	42	485	1.33	0
48	F	1,780	4.88	51	637	1.75	0
49	M	0	0.00	0	1612	4.42	0
50	M	744	2.04	300	146	0.40	17
51	M	4,231	11.59	544	464	1.27	0
52	F	546	1.50	63	1,034	2.83	0
53	F	1,826	5.00	213	627	1.72	30
54	M	186	0.51	40	928	2.52	0
55	M	271	0.74	182	334	0.92	0
56	F	0	0.00	0	579	1.59	0
57	M	0	0.00	0	669	1.83	0
58	M	1,267	3.47	948	2,048	5.61	0
59	M	0	0.00	0	1,035	2.84	0
60	F	1,434	3.93	451	1,703	4.67	30
61	M	0	0.00	0	911	2.50	8
62	M	0	0.00	0	150	0.41	0
63	F	0	0.00	0	973	2.67	0
64	M	0	0.00	0	3,613	9.90	28
65	M	413	1.13	108	113	0.31	0
66	F	1,453	3.98	5	676	1.85	0
67	M	3,772	10.33	30	2,586	7.08	0
68	M	378	1.04	1	334	0.92	0
69	M	100	0.27	35	1,203	3.30	397
70	M	1,121	3.07	241	2,677	7.33	0
71	M	5,877	16.10	55	2,890	7.92	0

VOL NO	M/F	LENGTH OF PRE SWOP ERA (DAYS)	LENGTH OF PRE SWOP ERA (YEARS)	TOTAL NO OF HOSPITAL DAYS	LENGTH OF SWOP ERA DAYS	LENGTH OF SWOP ERA YEARS	TOTAL NO OF HOSPITAL DAYS
72	M	1,249	3.42	4	2,386	6.54	537
73	M	7,186	19.69	651	579	1.59	0
74	M	599	1.64	373	371	1.02	172
75	M	171	0.47	43	304	0.83	0
76	F	34	0.09	29	2,327	6.38	0
77	M	0	0.00	0	1,215	3.33	0
78	M	1,690	4.63	192	153	0.42	0
79	M	0	0.00	0	3,226	8.84	0
80	F	8,423	23.08	204	289	0.79	0
81	M	0	0.00	0	1,369	3.75	0
82	M	0	0.00	0	1,241	3.40	7
83	M	3,737	10.24	368	1,220	3.34	0
84	M	1,644	4.50	403	306	0.84	0
85	M	8,569	23.48	896	320	0.88	0
86	M	1,181	3.24	549	1,183	3.24	0
87	M	215	0.59	102	915	2.51	0
88	M	0	0.00	0	2,798	7.67	0
89	M	830	2.27	10	304	0.83	0
90	M	16	0.04	2	1,172	3.21	0
91	M	1,206	3.30	11	1,104	3.02	71
92	M	1,133	3.10	232	1,702	4.66	33
93	M	321	0.88	179	861	2.36	0
94	M	770	2.11	108	204	0.56	0
95	M	609	1.67	32	1,420	3.89	26
96	M	817	2.24	63	3,650	9.99	0
97	M	0	0.00	0	304	0.83	0
98	M	0	0.00	0	935	2.56	0
99	M	0	0.00	0	303	0.83	3
100	M	2,809	7.70	1,653	2,496	6.84	43
<b>TOTAL</b>		<b>152,595</b>	<b>418.04</b>	<b>23,710</b>	<b>120,906</b>	<b>331.22</b>	<b>3,258</b>

