Analysis was made of all those deliveries that can be called 'do-miciliary' in that preparation was made to deliver the baby at home with a domiciliary midwife and ageneral practitioner in attendance.

The period covered is from 1974, when homebirths began a resurgence, through 1976, formation of the HBA, to 1982, when analysis began. The total number of births analysed was 1159 and analysis was made of all details relevant to the births and their outcomes, such as maternal medical history, lenght of labour, details of birth, use of pain relief during lbour, reasons for and factors associated with transfer to hospital when this occurred.

Approximately one third of the sample (29%) were first births, while 2.2% of mothers were having their fourth or more than fourth baby.

The age range of mothers was between 16 and 43, and almost all mothers (93.7%) were described as 'non smokers',

While all the figures are presented as percentages of the total sample, e.g. 2.6% of the mothers had a history or major surgery and/or treatment of dislease of the reproductive system, some birth statistics are generally described as a rate per thousand, particularly mortality rates of babies. To convert the percentage to a rate per thousand, move the decimal point one place to the right.

Thus mortality of babies in this home birth sample is 0.35%, which converts to 3.5 per thousand. This figure is very low when compared with hospital mortality statistics which have ranged between 12-18 per thousand. We do not, unfortunately, have current detailed obstetric hospital statistics to compare, and we must ask hospitals to produce these promptly.

Seven point five per cent of the mothers were transferred during labour, failure to progress during stage I accounts for over half of these. It is more important to consider this figure in relation to any other figures available from hospital statistics. For example, a recent newspaper item reporting on a new North Shore hospital in Auckland stated that 39% of deliveries were transferred during labour across the Harbour Bridge to National Women's Hospital. Thus it can be seen that the home birth transfer rates are pleasingly low by comparison.

It was also found that only 0.8% (7 per 1,000) of women having their baby at home showed signs of postnatal depression. In the hospital environment this figure is at minimum 10%, ten times the home birth number, and can rise as high as 30-40%. This is one other aspect of homebirth that appears to show massive improvement on the hospital situation.

Only 4.1% of babies showed fetal distress during birth and the measure of the newborn's state immediately after birth (agar score) showed that 91.3% of homebirth babies snowed a score of 7 or more out of the 10 point scale at one minute, and at the test performance five minutes after the birth, 97.4% of babies had a score of 9 or 10. In other words, almost all babies delivered at home are found to be in near perfect condition immediately after birth.

Five per cent of mothers received pain relief during labour in the form of acupuncture while 4.4% received analgesics. Again this last figure would compare highly favourably with hospital u se of pain-killing drugs where widespread use is made of them.

Transfer to hospital of mother and child after birth occurred in 3.6% of the sample. There was no major cause for this.

Deryn Cooper and Jill Wittmer. Auckland Home Birth Association.

More detailed statistics can be obtained from The Resource Co-Ordinator, NAHBA, P.O. BOX 11 412, Wellington.

The New Zealand Home Birth Association

The New Zealand Home Birth Association, P.O. Box 7093, Wellesley St., Auckland, 1.

Affiliated with NATIONAL ASSOCIATION for PARENTS and PROFESSIONALS for SAFE ALTERNATIVE CHILDBIRTH, U.S.A.

HOMEBIRTH STATISTICS

· 19**7≸ -** Feb. 1982

N = 1159

1974 - 1982.

Parity 0 29% 71% (Grand mult. 2.2%)
Age Range 16 - 43 years
Non-smokers 93.7%

MEDICAL HISTORY

Abortion	13.3%
Recurrent U.T.I.	2.8
Varico se vein	1.4
Retained placenta	. 8
Mastitis	1.3
Vaginal spotting	.2
Abnormal presentation	2.0
c. Section	- 3
Multiple birth	.6
Short labour	• 3
Major surgery and/or	
treatment of reproductive	
system	2.6
Sepsis	• 3
Current pregn. infection	
(e.g. rubella, thrush)	1.0
Prolapsed cord	.2
Congenital Malformation	.7
Prematurity	• 1
Fetal distress	_
Anaemia	• 3
Other	_

INTRA-PARTUM TRANSFER - 7.5%

Reasons for transfer of 7.5% -	
Failed to progress 1st stage	4.4
2nd stage 3rd stage	•9 -
Fetal heart <120/>160	1.3
Meconium staining	• 5
Malpresentation	2.4
Hypertension	• 3
Raised temperature	.2

	Transverse arrest/ obstruction Acidosis Cephalo/pelvic disproportion Other	.2% .3 .3	24 2 2 2 2	9 S	n	
OUTO	COMES	. ()	92 90g C			/ V
	Hypertension	.8	•	•		- F
	Uterine dysfunction	1.8),7			Z., 10
40	cord prolapse	•1		01.		
27	Malpresentation	1.8				
	P.O.P.	4.5	**			
	Shoulder dystocia	1.0		€		
	Retained Placenta	2.2			720	
*	Mastitis Maternal infection	2.1		_		
	Post-natal depression	.8		•		
	Fetal distress		27 (4			
	$(\langle 120 / \text{or} \rangle 160)$	4.1				
	Meconium staining	7.8				
	Mortality	-4			<u>a</u>	
	Dysmaturity	4 77		(1	8	2 2
9 (e. m)	Fetal abnormality	1.7	8.	فتنت بت الموسان		
411	Birth injuries	•4				
	Infant infection	4.4.		::		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	Jaundice Petechial rash	1.4			**	24.2
1X = u	Post partum oedema	5				
	Forceps	.6	-			2000
, a	Cyanosis	1.0				
	Varico se veins	• 3				*
	Retained products	.1				
	Post partum haemor.	•1	-	(4		
	Other	1.0			<u> </u>	
**	Ecbolic	31.8				
	Tow 5100d 1055 < 300ml	73.0				
	High blood loss > 600ml	3.0				****
	Episiotomy rate	22.0				, V
	Sutured laceration	16.0	•	ě.		- 33.00
.	Artificial rupture	91.1		101	E	21.4
-	Apgar V (9.10)	97.4			4	4
	Apgar V (9,10) Resusitation	2.5			·	2
	Female babies	47.0	4		*	×.*
	Mortality	0.4	(.35%)			
	and the second s	raprige Lawrence		ettetuerade tolka i opioon	The second secon	
:=	Pain relief -	25			5	
	Analgesic	4.4	•			g - 8
	Anaesthetic	1.0				·
	Acupuncture	5.0	a i a Šv.	and a state of the	Same design	
	The second secon	H		contin	med/2	
		· · · · · · · · · · · · · · · · · · ·		~~** L ± 4.	wed) J	· · · · · · · · · · · · · · · · · · ·

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POST-NATAL TRANSFER - 3.6%
     Reasons for transfer of 3.6% -
     Maternal infection
     Infant infection
     Post-partum haemor.
     Haemoglobin rising
     Failure to thrive
     Retained placenta
     Respiratory problems
     Prematurity
     Observation only
SIGNIFICANT VARIABLES FOR INTRAPARTUM TRANSFER
  (i.e. I.P. TRANSFER
                       correlater way
                                     (.0001 (Parity 0)
     Parity
     Gravida
                                     ₹.0001
     History of abortion
                                      4.0119
     Recurrent U.T.I.
                                     <.01
     Hypertension
                                      < .01
                                      <.0001
     Uterine dysfunction
     Malpresentation
                                      .0001
     P.O.P.
                                      2.0001
     Fetal distress
                                      1.001
     Mortality
                                      001
     Midwife
                                     2.01 (see graphs)
POST-PARTUM TRANSFER CORRELATES
     Retained placenta/products
                                     <.0001
     Fetal abnormality
                                     (.01
   ` Midwife
                                     <.001
   * Forceps
     Cyanosis
                                     ₹.0001
PARITY
     Gravida
                                     <.0001
     Age
                                     2.0001
     Stable relationship
                                     ¿.0001
                                     ¿.000i
     I.P. transfer
                                     ₹•0001
     1st stage labour
     2nd stage labour
                                     ₹.0001
     Analgesic
                                     <.0001
                                     ¿.0001
     Echolic
     Episiotomy
                                             (primips)
                                     ₹.0001
     Artificial rupture
                                             (primips)
                                     < . 0001
     Apgar I
                                             (primipsdown)
                                     <.0001
     Sex
                                     < ..0001
                                             (个females for primips)
    Weight
                                     <.0001
    Acupuncture
                                     <.01
    Blood loss
                                     <.01 (greater for primips)
    Apgar V
    Gestation
                                     <.05 (longer for multip s)
```