

## **Medical report : 1939 / Glasgow Royal Maternity and Women's Hospital.**

### **Contributors**

Glasgow Royal Maternity and Women's Hospital (Glasgow, Scotland)

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# MEDICAL REPORT

FOR THE YEAR

1939

THE GLASGOW ROYAL MATERNITY  
AND WOMEN'S HOSPITAL

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# The Glasgow Royal Maternity and Women's Hospital

## MEDICAL REPORT

For the Year 1939

Prepared by

J. M. M'BRIDE, B.Sc., M.B., Ch.B.,

and

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GLASGOW:

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1940

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# MEDICAL STAFF

YEAR ENDING 1939.

*Honorary Consulting Obstetric Physicians.*

A. N. M'LELLAN, M.B., C.M., L.M., F.R.C.O.G.  
J. M. MUNRO KERR, M.D., F.R.F.P.S.G., F.R.C.O.G.

*Honorary Consulting Physician.*

J. SALISBURY CRAIG, M.D.

*Honorary Consulting Pathologist.*

J. SHAW DUNN, M.A., M.D., CH.B., M.SC.

*Honorary Consulting Ophthalmic Surgeon.*

A. J. BALLANTYNE, M.D., F.R.F.P.S.G.

*Honorary Consulting Ear, Nose and Throat Surgeon.*

G. B. BRAND, M.B., CH.B., F.R.F.P.S.G.

## OBSTETRICAL STAFF.

*Chief Obstetric Surgeons.*

PROF. S. J. CAMERON, M.B., CH.B., F.R.F.P.S.G., F.R.C.O.G.  
PROF. J. HENDRY, M.A., B.SC., M.B., CH.B., F.R.F.P.S.G., M.R.C.O.G.  
R. A. LENNIE, T.D., M.D., F.R.F.P.S.G., F.R.C.O.G.

*Visiting Obstetric Surgeons.*

D. F. ANDERSON, M.D., CH.B., F.R.F.P.S.G., M.R.C.O.G.  
A. BARR, M.B., CH.B., F.R.F.P.S.G., L.M., M.R.C.O.G.  
J. HEWITT, M.B., CH.B., F.R.C.O.G.  
A. N. M'LELLAN, M.B., C.M., L.M., F.R.C.O.G.

*Assistant Obstetric Surgeons.*

W. C. ARMSTRONG, M.B., CH.B., F.R.F.P.S.G., M.R.C.O.G.  
W. CLEMENT, M.B., CH.B., M.R.C.O.G.  
D. M. HART, M.B., CH.B., F.R.F.P.S.G., M.R.C.O.G.  
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A. MACARTNEY, M.B., CH.B.  
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E. D. MORTON, M.B., CH.B., M.R.C.O.G.  
H. STIRLING, M.B., CH.B., M.R.C.O.G.

*Extra Assistant Obstetric Surgeons.*

R. MURDOCH, M.B., CH.B.  
A. SUTHERLAND, M.B., CH.B., M.R.C.O.G.  
R. J. WOTHERSPOON, M.B., CH.B., M.R.C.O.G.

*Visiting Anæsthetist*—R. G. GRIEVE, M.B., CH.B.

*Resident Anæsthetist*—E. B. COWAN, M.B., CH.B., D.A.

*Senior Resident Obstetric Officer*—R. A. TENNANT, M.B., CH.B., M.R.C.O.G.

J. M'BRIDE, B.SC., M.B., CH.B. (*Acting*).

*Honorary Physician for Infant Ailments*—G. GRAHAM, M.D., M.C.P.S.(ONT.), F.R.F.P.S.G.

*Assistant to Honorary Physician for Infant Ailments*—F. J. FORD, M.D., F.R.F.P.S.G.

*Director of Research*—H. L. SHEEHAN, M.D., M.SC.

*Radiologist*—G. J. WILSON, M.B., CH.B., D.P.H.

*Medical Officer to V.D. Clinic*—N. T. WATTIE, M.B., CH.B., D.P.H.

## HOUSE SURGEONS DURING THE YEAR 1939.

Dr. CHARLES D. ANDERSON.  
Dr. GAVIN BOYD.  
Dr. ROBERT M. CROSS.  
Dr. BARBARA SHEPHERD DAWSON.  
Dr. ALLAN M. GILES.

Dr. R. R. GORDON.  
Dr. AGNES M. HIGHT.  
Dr. JOHN B. HURLL.  
Dr. JOHN M. M'BRIDE.  
Dr. CHARLES MARCH.  
Dr. MABEL G. MILLER.

Dr. D. NOEL MORRISON.  
Dr. IAN M. SCOTT.  
Dr. W. B. STIRLING.  
Dr. DAVID A. THOMSON.  
Dr. RUTH M. WINTER.

## ABBREVIATIONS.

---

A.C.	-	-	-	-	After coming.
Adh. plac.	-	-	-	-	Adherent placenta.
A.R.M.	-	-	-	-	Artificial rupture membranes.
Br.	-	-	-	-	Breech.
D.C.	-	-	-	-	Diagonal conjugate.
F.F.O.	-	-	-	-	Failed forceps outside.
H.B.P.	-	-	-	-	High blood pressure.
L.O.P.	-	-	-	-	Left occipito posterior.
L.U.S.	-	-	-	-	Lower uterine segment.
Med. ind.	-	-	-	-	Medical induction.
P.	-	-	-	-	Pyrexia.
P.P.	-	-	-	-	Post-partum.
P.P.H.	-	-	-	-	Post-partum hæmorrhage.
P.J.R.	-	-	-	-	Promontory just reached.
P.U.O.	-	-	-	-	Pyrexia of unknown origin.
R.O.P.	-	-	-	-	Right occipito posterior.
S.	-	-	-	-	Sepsis.
Surg. ind.	-	-	-	-	Surgical induction.
V.	-	-	-	-	Vertex.

## FOREWORD.

---

THE Fourteenth Annual Medical Report of The Glasgow Royal Maternity and Women's Hospital has been arranged in much the same way as in the previous year. The standard scheme of the Committee appointed by the Royal Society of Medicine has been followed as far as possible.

The Hospital has 175 beds—78 for ante-natal patients, 78 for lying-in patients, and 19 for "suspect" cases. The hospital is divided into three permanent units, each consisting of ante-natal wards, labour ward and lying-in wards. The beds reserved for "suspect" cases are under the control of an Assistant Obstetric Surgeon and a special House Surgeon in a separate Isolation Block. Assistant Obstetric Surgeons hold this post for a four months' period in rotation. No member of the staff of this block has any contact with patients in the other portions of the Hospital. Septic cases are transferred to the Isolation Hospitals of the Local Authority by arrangement with the Medical Officer of Health.

Each permanent unit has the services of two House Surgeons, one for duties in the Hospital, and the other for duties in connection with the work of the outdoor service of the Hospital. The House Surgeons are appointed for six months, the first three months being devoted to indoor duties and the second to outdoor.

As in previous years the Hospital has had the services of a Resident Anæsthetist and a Visiting Anæsthetist through the generosity of the trustees of Mr. Peter Coats.

The statistics for the year 1939 were as follows:—

Number of patients admitted,	- - - -	4,502
Average daily number in wards,	- - - -	162
Average residence in wards,	- - - (days)	13
Largest number of patients resident in one day,	-	189
Smallest number of patients resident in one day,	-	123
Number of infants born in Hospital,	- - - -	3,236
Number of infants born alive,	- - - -	2,815
Number of infants still-born,	- - - -	421
Maternal deaths (death-rate 1·3 per cent.),	- -	59
Overflow patients accepted by Municipal Hospitals,		261

An Ante-natal Dispensary is attached to the Hospital, at which in the past year there were 17,751 attendances, and an Infant Consultation Dispensary is run in conjunction, at which there were 4,281 attendances.

Ante-natal cases are admitted to the Hospital from doctors in the city area, from Local Authority Clinics, from the Hospital Ante-natal Dispensary, and from certain outlying areas where there are no provisions for hospital treatment.

Emergency cases are admitted to the Hospital from doctors in the city area and in outlying districts where there are no hospital facilities, and also from the Hospital outdoor service.

During 1939 the Hospital outdoor service attended 4,322 women in their own homes. Further data are as follows:—

Total visits paid, - - - - -	- 44,348
Abnormal cases (6·9 per cent.), - - - - -	- 302
Infants born, - - - - -	- 4,219
Infants born alive (98·6 per cent.), - - - - -	- 4,152
Maternal deaths, - - - - -	- 1

As in previous years the indoor cases have been divided into two categories for the purposes of this report:—

*Category A.*

Patients who had been under ante-natal supervision at the Hospital Clinic and who had attended on at least two occasions shortly before admission.

*Category B.*

All other patients.

The number of cases in each category was as follows:—

Category A:

Attending Hospital Clinic (41·2 per cent.), - 1,854

Category B:

Others (58·8 per cent.), - - - - - 2,648

Total, - - - - - 4,502

The total number of abnormal cases (including 1,766 ante-natal cases) was 3,498—i.e. 77·7 per cent. of all admissions. Such a large number of abnormal cases is explained by the fact that the Hospital

serves a large industrial population, where the incidence of rickets and malnutrition is high, and some of the outlying areas send in abnormal cases only.

The special clinic for specific diseases in out-patients has been temporarily discontinued since September, and the affected patients are now treated at a Corporation Clinic.

Since 1935 a blood transfusion service has been maintained by the Hospital. The number of donors on the roll at present is 219.

Pathological, bacteriological and bio-chemical investigations are carried out in the Research Department, which is under the control of the Director of Research. At present investigations are being made into the bio-chemical and therapeutic aspect of obstetric shock and vascular changes in the pituitary gland. The work on heart disease in pregnancy is now practically completed.

Some other investigations are meanwhile interrupted by the mobilisation of the investigators.

The number of medical students enrolled during the year for training in practical midwifery was 263, and 228 nurses were enrolled for training for the Certificate of the Central Midwives' Board.

A list of abbreviations used in the Report will be found on page 4.

The medical staff have not been grouped in units as there have been many changes and rearrangements owing to the mobilisation of the members.



*Categories A and B.*

The following table shows abnormalities found in cases admitted during the year:—

Abnormality.	No. of Cases.
Abscess, Bartholin's	3
of ear	1
of gum	1
perineal	2
Acholuric jaundice	1
Amaurotic familial idiocy	1
Appendicitis	1
Arthritis	2
Asthma	4
Bartholin's cyst	2
Bicornuate uterus	3
Bronchial tumour	1
Bronchiectasis	1
Bronchitis	6
Broncho-pneumonia	1
Burn	1
Carcinoma of rectum	1
Cerebral embolism	1
Cerebral hæmorrhage	3
Cerebral thrombosis	1
Chorea	4
Condylomata simplex	1
Dermatitis	1
Diabetes	8
Disseminated sclerosis	1
Dysentery	2
Epilepsy	8
Erysipelas	1
Erythema nodosum	2
Exophthalmic goitre	1
Fibroids	16
Fœtal states, anencephaly	30
dicephalic fœtus	1
exomphalos	1
fœtal ascites	2
hydrocephalus	13
hydrocephalus and spina-bifida	2
spina-bifida	3
Glycosuria	2
Goitre (simple)	1

Abnormality.	No. of Cases.
Hæmatemesis - - - - -	1
Hæmatoma of vulva - - - - -	1
Hæmaturia - - - - -	6
Hip joint deformity - - - - -	5
Hydramnios - - - - -	40
Hyperthyroidism - - - - -	2
Lymphadenoma - - - - -	1
Mastitis, ante-natal - - - - -	4
Nephritis, chronic - - - - -	3
subacute glomerular - - - - -	1
Ovarian cyst - - - - -	5
Paralysis, infantile - - - - -	1
Pediculosis - - - - -	2
Peripheral neuritis - - - - -	4
Phlebitis - - - - -	7
Phlegmasia alba doleus - - - - -	2
Pleural effusion - - - - -	1
Post-encephalitis - - - - -	2
Puerperal insanity - - - - -	4
Rectal polypus - - - - -	1
Sacro-coccygeal cyst - - - - -	1
Scabies - - - - -	7
Schonlein's disease - - - - -	1
Simmond's disease - - - - -	1
Spinal deformity - - - - -	3
Syphilis - - - - -	4
Tape worm - - - - -	1
Thread worm - - - - -	1
Tuberculosis, miliary - - - - -	1
pulmonary - - - - -	12
Vaginal septum - - - - -	1
Vesico-vaginal fistula - - - - -	2

## OBSTETRICAL CASES.

## ABNORMAL DELIVERY.

## 1. VERTEX. OCCIPITO-POSTERIOR.

There were 171 cases in which there was an occipito-posterior position of the vertex. There were 3 maternal deaths. Two cases (*see* Nos. 4139 and 4471 *under deaths*) died of obstetric shock; and in one case (*see* No. 3565 *under deaths*), in which contracted pelvis was also present, the post-mortem examination showed patchy broncho-pneumonia and pyelonephritis. The mortality rate was thus 1·8 per cent. There were 5 cases of twins. In three cases the first twin presented in the occipito-posterior position and required delivery by manual rotation and forceps. In two cases the second child presented in the occipito-posterior position—one was delivered spontaneously face to pubis and one required delivery by manual rotation and forceps. Of the 171 children born, 148 were born alive, but of these, 8 died later. There were 23 still-births. In three of these cases destructive operations were performed. Prolapse of the cord was noted in 2 cases and contracted pelvis in 2 cases. In 2 cases an unsuccessful attempt to deliver by the forceps had been made outside. Hypertensive toxæmia was noted in 4 cases and intra-uterine death in 2 cases. Puerperal sepsis was noted in 2 cases and pyrexia in 9 cases, giving a combined pyrexia and sepsis rate of 6·5 per cent.

Among the total 171 cases there were 37 cases of hypertensive toxæmia, 2 cases of eclampsia, 1 case of heart disease, and 11 cases of contracted pelvis. Unsuccessful attempt at delivery by the forceps had been made outside in 6 cases. Surgical induction of labour by artificial puncture of the membranes was performed in 15 cases.

## MALPRESENTATIONS.

1. *Vertex. Occipito-Posterior.*

Tables showing mode of delivery and results:—

*Category A.*

Mode of Delivery.	Mother.		Child			Left.	Right.	Pyrexia.	Sepsis.
	A.	D.	A.	S. B.	D.				
Manual rotation, forceps - -	65	1	53	9	4	13	53	2	1
Forceps, face to pubis - -	4	—	3	1	—	2	2	1	—
Spontaneous long rotation, spontaneous - - - -	11	—	11	—	—	1	10	—	—
Spontaneous, face to pubis -	5	—	5	—	—	1	4	1	—
Perforation and traction - -	1	—	—	1	—	—	1	—	—
Totals - - - -	86	1	72	11	4	17	70	4	1

*Category B.*

Manual rotation, forceps - -	70	—	59	9	2	7	63	5	1
Forceps, face to pubis - -	5	—	3	1	1	—	5	—	—
Spontaneous, face to pubis -	4	—	3	—	1	—	4	1	—
Spontaneous long rotation, spontaneous - - - -	2	—	2	—	—	—	2	—	—
Perforation and traction - -	1	1	—	2	—	—	2	—	—
L.U.S. cæsarean section - -	—	1	1	—	—	—	1	—	—
Totals - - - -	82	2	68	12	4	7	77	6	1

# The Glasgow Royal Maternity and Women's Hospital,

Tables showing the results of delivery according to weight of child and duration of labour —

## Category A.

Mode of delivery	Under 7 lbs.			7-8 lbs.			Over 8 lbs.		
	Under 12 hours	12-24 hours	Over 24 hours	Under 12 hours	12-24 hours	Over 24 hours	Under 12 hours	12-24 hours	Over 24 hours
Manual rotation, forceps	3	7	8	4	14	13	3	4	9
Forceps, face to pubis	—	—	1	—	1	2	—	—	—
Spontaneous, long rotation, spontaneous	—	1	2	2	2	2	1	—	1
Spontaneous, face to pubis	—	1	—	—	1	2	—	1	—
Perforation and traction	—	—	—	—	—	—	—	1	—
<b>Total</b>	<b>3</b>	<b>9</b>	<b>11</b>	<b>6</b>	<b>18</b>	<b>17</b>	<b>4</b>	<b>6</b>	<b>10</b>

*With the Secretary's Compliments.*

## Category B.

Manual rotation, forceps	—	5	10	1	12	15	3	5	11
Forceps, face to pubis	—	—	1	1	1	—	—	—	1
Spontaneous, long rotation, spontaneous	1	—	—	—	2	—	—	—	—
Spontaneous, face to pubis	—	1	1	2	—	—	—	—	—
Perforation and traction	—	—	—	—	—	—	—	—	2
<b>Total</b>	<b>1</b>	<b>6</b>	<b>11</b>	<b>4</b>	<b>17</b>	<b>15</b>	<b>3</b>	<b>5</b>	<b>14</b>

The Glasgow Royal Maternity and Women's  
Hospital,  
ROTTENROW, GLASGOW, C.A.

TABLE I

Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total	111	117	125	132	140	148	155	162	170	178
Normal	75	78	82	85	88	92	95	100	105	110
Abnormal	36	39	43	47	52	56	60	62	65	68

With the Secretary's Compliments.

TABLE II

Year	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Total	111	117	125	132	140	148	155	162	170	178
Normal	75	78	82	85	88	92	95	100	105	110
Abnormal	36	39	43	47	52	56	60	62	65	68

Tables showing relation of mode of delivery to weight of child and duration of labour:—

*Category A.*

Mode of Delivery.	Under 7 lbs.			7 - 8 lbs.			Over 8 lbs.		
	Under 12 hours.	12-24 hours.	Over 24 hours.	Under 12 hours.	12-24 hours.	Over 24 hours.	Under 12 hours.	12-24 hours.	Over 24 hours.
Manual rotation, forceps	3	7	8	4	14	15	2	4	9
Forceps, face to pubis -	—	—	1	—	1	2	—	—	—
Spontaneous long rotation, spontaneous	—	1	2	2	2	2	1	—	1
Spontaneous, face to pubis - - -	—	1	—	—	1	2	—	1	—
Perforation and traction	—	—	—	—	—	—	—	1	—
Totals - -	3	9	11	6	18	21	3	6	10

*Category B.*

Manual rotation, forceps	—	8	16	1	15	12	2	5	11
Forceps, face to pubis -	1	—	1	1	1	—	—	—	1
Spontaneous long rotation, spontaneous	1	—	—	—	1	—	—	—	—
Spontaneous, face to pubis - - -	—	1	1	2	—	—	—	—	—
Perforation and traction	—	—	—	—	—	—	—	—	2
Totals - -	2	9	18	4	17	12	2	5	14

## 2. BREECH.

There were 358 cases of breech presentation, 146 of which had been under ante-natal supervision at the hospital clinic. There were 168 in primigravidæ and 190 in multiparæ. There were 6 maternal deaths (*see* Nos. 432, 454, 2010, 3203, 3764 and 4365 *under deaths*). Two cases died under anæsthesia, one case died of acute pulmonary œdema, one case died from obstetric shock, one case died of obstetric shock following post-partum hæmorrhage and one case died of pneumonia on the sixth day of the puerperium.

There were 62 still-births—24 in primiparæ and 38 in multiparæ. Two had spina bifida and one was a dicephalic monster. In one case there was a prolapse of the cord. In three cases the mother had severe hypertensive toxæmia and in one the mother suffered from mixed accidental hæmorrhage. Contracted pelvis was noted in three cases. Of the 37 still-births in multiparæ two were anencephalic, two hydrocephalic, and one had exomphalos. Prolapsed cord was noted in three cases. In two cases the mother had severe hypertensive toxæmia, in nine cases the mother suffered from accidental hæmorrhage, and in two cases from placenta prævia. Contracted pelvis was noted in three cases.

Sixteen cases were delivered by cæsarean section. The indication for operation in eight cases was contracted pelvis, in one case prolapsed cord, in two cases previous still-births, in one case elderly multipara with no living children, in one case elderly primipara, in one case previous cæsarean section, in one case broad ligament tumour, and in one case breech presentation with large child.

(a) *Primigravidae.*

Category B.

Mode of Delivery.	Category A.				Sepsis.	Pyrexia.	Category B.													
	Mother.		Child.				Mother.		Child.											
	A.	D.	Alive.	S.B.			Died.	A.	D.	Alive.	S.B.	Died.								
Spontaneous (uncomplicated)	5	—	2	1	—	1	8	—	7	—	—	—	—	—	—	—	—	—	—	—
Spontaneous (complicated)	4	—	3	1	—	—	4	—	3	—	—	—	—	—	—	—	—	—	—	—
Manual (uncomplicated)	21	—	20	—	—	1	39	—	32*	—	—	—	—	—	—	—	—	—	—	—
Manual (complicated)	5	1	3	3	—	2	11	2	11*	—	—	—	—	—	—	—	—	—	—	—
Forceps to a.c. head	2	—	2	—	—	—	3	—	2	—	—	—	—	—	—	—	—	—	—	—
Perforation of a.c. head	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
External version, spontaneous	14	—	11	2	—	1	7	—	7	—	—	—	—	—	—	—	—	—	—	—
External version, forceps	4	1	3	2	—	—	2	—	1	—	—	—	—	—	—	—	—	—	—	—
Cæsarean section	4	—	4	—	—	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—
External version, undelivered	7	—	—	—	—	—	9	—	—	—	—	—	—	—	—	—	—	—	—	—
Failed version	4	—	—	—	—	—	6	—	—	—	—	—	—	—	—	—	—	—	—	—
Undelivered	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	71	2	48	9	4	—	93	2	66	1	6	2	15	1	—	—	—	—	—	—

\* Twins.

(b) *Multiparæ.*

Spontaneous (uncomplicated)	15	—	12*	3	1	—	34	—	25*	4	—	—	7	—	—	—	—	—	—	—
Spontaneous (complicated)	8	—	4	3	1	—	21	—	8	8	—	—	5	—	—	—	—	—	—	—
Manual (uncomplicated)	4	—	6†	—	—	—	15	1	9†	8	—	—	—	—	—	—	—	—	—	—
Manual (complicated)	3	—	1	2	—	—	11	1	2	8	—	—	2	—	—	—	—	—	—	—
Perforation of a.c. head	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—	—	—	—	—
External version, spontaneous	17	—	15	1	1	—	9	—	9	—	—	—	—	—	—	—	—	—	—	—
External version, forceps	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—
Cæsarean section	7	—	7*	—	1	—	3	—	2	—	—	—	—	—	—	—	—	—	—	—
Spontaneous version, spontaneous	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
External version, undelivered	13	—	—	—	—	—	19	—	—	—	—	—	—	—	—	—	—	—	—	—
Failed external version	2	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—
Undelivered	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spontaneous version, undelivered	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals	73	—	46	9	4	—	115	2	56	29	1	2	15	1	—	—	—	—	—	—

\* Twins (once). † Triplets.

\* Twins (twice). † Twins (once).

## 3. FACE AND BROW.

There were 31 cases of face and brow presentation, 8 of these being in Category A and 23 in Category B. There were no maternal deaths. There were 13 still-births. In two of these cases destructive operations were performed. In four cases anencephaly was present and in one case concealed accidental hæmorrhage. There were no infantile deaths. There was no pyrexia and no sepsis.

*Categories A and B..*

Mode of Delivery.	Mother.		Child.			Pyrexia	Sepsis.
	A	D	A	S.B.	Died.		
Spontaneous . . . . .	19	—	14	5	—	—	—
Correction to vertex and forceps . . . . .	4	—	1	3	—	—	—
Forceps . . . . .	1	—	1	—	—	—	—
Internal version to breech . . . . .	2	—	1	1	—	—	—
Craniotomy and cleidotomy . . . . .	2	—	—	2	—	—	—
Conversion to face, forceps . . . . .	2	—	—	2	—	—	—
L.U.S. cæsarean section . . . . .	1	—	1	—	—	—	—
Totals . . . . .	31	—	18	13	—	—	—

## FACE AND BROW PRESENTATIONS.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity at Delivery. wks	Duration of Labour. hrs.	Mode of Delivery.	Weight of Child. lbs.	Result.		Pyrexia or Sepsis.	Remarks.
							M.	Ch.		
156	25	1	39	20	Cæs. section	7¼	A	A	—	Spinal. L.U.S. Not sterilised. Brow.
{ 194	25	4	—	—	—	—	A	—	—	Face. Anencephaly. Mixed acc. hæmorrhage.
{ 468	—	—	36	7	Spontaneous	3½	A	SB	—	
272	19	1	37	21	Spontaneous	2¾	A	SB	—	Face. Anencephaly.
1363	26	1	40	19	Spontaneous	5½	A	A	—	L.M.A.
2153	29	3	39	17	Spontaneous	9	A	A	—	C.P. D.C. 4¼ ins. R.M.A.
3142	25	2	40	12	Spontaneous	7¾	A	A	—	Face.
3204	30	1	38	12	Spontaneous	4	A	A	—	Face. Hyp. toxæmia.
3548	33	3	41	35	Forceps . . . . .	8½	A	SB	—	Surg. induction. A.R.M. Brow. Conversion to vertex.

## B.—Others.

Reg. No.	Age.	Parity.	Maturity at Delivery. wks.	Duration of Labour. hrs.	Mode of Delivery.	Weight of Child. lbs.	Result.		Pyrexia or Sepsis.	Remarks.
							M.	Ch.		
14	28	2	40	11	Spontaneous	7 $\frac{3}{4}$	A	A	—	Face. R.M.A.
21	29	3	40	15	Man. breech	7 $\frac{3}{4}$	A	A	—	C.P. D.C. 4 $\frac{3}{8}$ ins. Brow. Internal version.
{ 524	30	3	—	—	—	—	A	—	—	—
{ 1649	—	—	40	10	Spontaneous	8 $\frac{3}{4}$	A	A	—	Cardiac. Surg. induction. A.R.M. Face. L.M.A.
922	29	3	40	8	Forceps	5 $\frac{1}{2}$	A	A	—	Face. L.M.A.
1175	19	1	34	5	Spontaneous	2	A	SB	—	Face. Anencephalic.
1395	30	7	37	34	Spontaneous	5 $\frac{3}{4}$	A	SB	—	R.M.P. Spontaneous long rotation.
1405	23	2	40	25	Spontaneous	6 $\frac{1}{2}$	A	A	—	Face. L.M.A.
1570	38	5	40	58	Man. breech	8 $\frac{1}{2}$	A	SB	—	Brow. Internal version.
1869	25	3	40	27	Spontaneous	11 $\frac{1}{4}$	A	A	—	R.M.P. Spontaneous long rotation.
1910	25	1	31	26	Forceps	6 $\frac{3}{4}$	A	SB	—	Brow. Conversion to vertex. Concealed acc. hæmorrhage.
2095	38	5	42	12	Forceps	9 $\frac{1}{4}$	A	SB	—	Rachitic flat pelvis. Face. Conversion to vertex.
2509	28	1	40	73	Forceps	8	A	SB	—	F.F.O. Brow. Conversion to face. Mento-anterior.
2523	27	1	40	42	Forceps	8 $\frac{1}{4}$	A	SB	—	Brow. Conversion to face. L.M.A.
{ 2732	39	7	—	—	—	—	A	—	—	Ext. acc. hæmorrhage.
{ 3408	—	—	40	17	Craniotomy	9	A	SB	—	C.P. D.C. 3 $\frac{3}{8}$ ins. Face.
2948	19	1	40	14	Spontaneous	7	A	A	—	Face. R.M.P. Spont. long rotation.
3056	26	4	40	49	Forceps	9	A	A	—	Brow. Conversion to vertex.
3537	32	3	40	17	Craniotomy	9	A	SB	—	Brow. Attempted forceps delivery.
3562	25	4	40	9	Spontaneous	13	A	A	—	Face.
3872	23	1	40	31	Spontaneous	6 $\frac{3}{4}$	A	A	—	Face. L.M.P.
4062	41	1	32	1	Spontaneous	2 $\frac{3}{4}$	A	SB	—	Face. Mixed accidental hæm. Anencephalic.
4117	27	3	40	14	Spontaneous	7	A	A	—	Face.
4287	30	6	40	22	Spontaneous	?	A	A	—	Face. Hyp. toxæmia.
4432	37	6	40	15	Spontaneous	10 $\frac{3}{4}$	A	A	—	Face.

## 4. SHOULDER PRESENTATION.

There were 40 cases of shoulder presentation, two cases being dismissed undelivered. There was 1 maternal death (*see* No. 1423 *under deaths*). Twenty-two infants were still-born (55 per cent.). There were 2 cases of pyrexia and 1 of sepsis.

*Shoulder Presentation.*

Mode of Delivery.	No. of Cases.			Results, Mother lived.			Child born alive.			Pyrexia.	Sepsis.	Total notifiable.
	A	B	Total.	A	B	Total.	A	B	Total.			
Internal version, manual breech -	4	9	13	4	9	13	2	3	5	1	—	1
Internal version to breech, spontaneous	2	6	8	2	6	8	1	1	2	—	—	—
External version to breech, spontaneous	2	1	3	2	1	3	2	1	3	—	—	—
External version to vertex, spontaneous	1	5	6	1	4	5	1	4	5	—	1	1
Spontaneous version to vertex, spont. -	2	—	2	2	—	2	2	—	2	—	—	—
External version to vertex, forceps -	1	—	1	1	—	1	1	—	1	—	—	—
Bipolar version, spontaneous breech, spontaneous.	—	2	2	—	2	2	—	—	—	—	—	—
Partus corpore con- duplicato - -	—	3	3	—	3	3	—	—	—	1	—	1
Undelivered - -	—	2	2	—	2	2	—	—	—	—	—	—
Totals - -	12	28	40	12	27	39	9	9	18	2	1	3

## SHOULDER PRESENTATIONS.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity at Delivery. wks	Duration of Labour. hrs.	Mode of Delivery.	Weight of Child. lbs.	Result.		Pyrexia or Sepsis.	Remarks.
							M.	Ch.		
{ 876	36	11	—	—	—	—	A	—	—	Hyp. toxæmia.
{ 1768	—	—	36	12	Man. breech	5¼	A	SB	—	Int. version. Macerated fœtus.
1004	23	1	40	56	Forceps	5½	A	A	—	Ext. version to vertex. Second-stage delay.
1717	28	1	37	12	Spontaneous breech	6½	A	A	—	Hyp. toxæmia. Twins. Surg. ind. A. R. M. (1) Breech; (2) Oblique. Ext. version. Leg brought down.
{ 1980	28	2	—	—	—	—	A	—	—	Hyp. toxæmia.
{ 2881	—	—	38	4	Spontaneous breech	5	A	A	—	Surg. ind. A.R.M.
{ 2186	27	6	—	—	—	—	A	—	—	
{ 2699	—	—	40	13	Spontaneous	8¼	A	A	—	Spontaneous version to vertex.
2565	34	3	36	6	Spontaneous	4	A	SB	—	Int. version to breech. Macerated fœtus.
2595	27	8	34	8	Spontaneous	4	A	A	—	Mixed acc. hæm. Int. version to breech.
3017	24	3	41	1	Spontaneous	7¼	A	A	—	Pyelitis. Ext. version. Surg. ind. A.R.M.
{ 3197	21	1	—	—	—	—	A	—	—	Hyp. toxæmia.
{ 3576	—	—	40	43	Man. breech	6½	A	SB	P	Int. version. Forceps to a.c. head.
3305	38	9	36	26	Man. breech	5	A	A	—	Int. version.
3857	31	3	40	13	Spontaneous	8½	A	A	—	Hyp. tox. Spontaneous version.
4395	34	8	36	27	Manual	5½	A	A	—	Int. version.

*B.—Others.*

1081	44	13	38	6	Spontaneous	?	A	A	—	Ext. version. Surg. ind. Bougies. Hyp. toxæmia.
1292	23	3	37	19	Man. breech	4½	A	SB	—	Int. version.
1423	24	2	43	18	Spontaneous	8¼	D	A	S	Spontaneous version to vertex. Placenta accreta. Sub-total hysterectomy. General peritonitis.
1475	25	8	31	25	Spontaneous breech	4	A	SB	—	Partial placenta prævia. Int. version.
1610	32	4	40	9	Man. breech	7¼	A	SB	—	Int. version. Macerated fœtus.

Reg. No.	Age.	Parity.	Maturity at Delivery. wks	Duration of Labour. hrs.	Mode of Delivery.	Weight of Child. lbs.	Result.		Pyrexia or Sepsis.	Remarks.
							M.	Ch.		
1886	36	7	40	12	Spontaneous breech	8 $\frac{3}{4}$	A	SB	—	Central placenta prævia. Mixed acc. hæmorrhage. Int. version.
2332	35	6	40	6	Man. breech	8 $\frac{1}{4}$	A	A	—	
2592	35	10	40	25	Spontaneous	8	A	SB	—	Int. version.
2727	42	8	38	8	Spontaneous	5 $\frac{1}{4}$	A	A	—	Int. version.
2792	33	7	—	—	Undelivered	—	A	—	—	Ext. version to breech. Ext. acc. hæmorrhage.
2957	30	3	40	5	Spontaneous	6 $\frac{3}{4}$	A	A	—	Ext. version. Surg. ind. A.R.M.
3178	19	2	29	72	Man. breech	4 $\frac{1}{2}$	A	SB	—	
3360	31	6	40	11	Spontaneous	8	A	SB	—	Bipolar version. Prol. cord.
3366	39	12	39	7	Spontaneous	2	A	SB	—	Bipolar version. Prol. cord.
3522	30	3	40	15	Man. breech	8 $\frac{1}{2}$	A	SB	—	Prol. cord. Int. version.
3563	23	3	40	24	Man. breech	6 $\frac{1}{2}$	A	A	—	Partial placenta prævia. Int. version.
3589	30	9	40	96	Man. breech	6 $\frac{1}{2}$	A	SB	—	Int. version.
3719	40	2	40	4	Spontaneous	5 $\frac{1}{4}$	A	A	—	Ext. version.
3907	18	1	29	6	Spontaneous	2	A	SB	—	Prol. cord. Ext. acc. hæm. Partus corpore conduplicato.
4045	35	8	38	38	Spontaneous	5 $\frac{1}{2}$	A	SB	—	Int. version.
4072	24	3	34	26	Spontaneous	5	A	SB	—	Ext. acc. hæmorrhage. Corpore conduplicato.
4167	21	1	—	—	Undelivered	—	A	—	—	Ext. version.
4234	42	7	38	71	Manual	7 $\frac{1}{2}$	A	SB	—	Int. version. Perf. of a.c. head.
4286	30	9	37	9	Spontaneous	6 $\frac{1}{2}$	A	SB	P	Partus corpore conduplicato.
4308	37	7	35	5	Spontaneous	2 $\frac{1}{2}$	A	SB	—	Mixed acc. hæmorrhage. Ext. version. Surg. ind. A.R.M.
4426	25	2	41	4	Spontaneous breech	6 $\frac{1}{4}$	A	A	—	Ext. version. Surg. ind. A.R.M.
4445	37	1	33	71	Man. breech	5	A	A	—	Int. version.

## 5. COMPOUND PRESENTATIONS.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity at Delivery. wks.	Duration of Labour hrs.	Mode of Delivery.	Weight of Child. lbs.	Result.		Pyrexia or Sepsis.	Remarks.
							M.	Ch.		
564	32	3	34	14	Spontaneous	5	A	SB	—	Vertex, foot and cord presenting. <b>F o o t</b> replaced. <b>Macerated</b> foetus.
1192	20	1	37	5	Man. breech	7	A	SB	—	Foot, hand and cord presenting. Int. version.

*B.—Others.*

409	38	11	40	6	Forceps -	7	A	A	—	Arm and cord presenting. Arm and cord replaced.
472	34	2	43	—	Classical cæs. section	7½	D	A	—	Cord, vertex and hand presenting.
1476	30	5	40	15	Man. breech	6¾	A	A	—	Arm and foot presenting. Internal version.
1739	30	2	40	13	Forceps -	8	A	A	—	Vertex and arm presenting. Arm replaced. C.P. D.C. 4¼ ins.
2688	37	3	38	9	Spontaneous	6	A	A	—	Vertex and foot presenting. Int. version.
4428	31	1	40	115	Forceps -	8½	A	A	—	Vertex and hand presenting. Hand replaced. R.O.P. Man. rotation.
4457	33	3	38	¼	Man. breech	—	A	A	—	Foot and vertex presenting. Int. version. Second twin.

## MULTIPLE PREGNANCY.

1. *Twins.*

There were 94 cases of twin pregnancy during the year—30 cases were primiparæ and 64 were multiparæ. Four of these cases were undelivered. There were 6 maternal deaths. One case died of acute myocardial failure during delivery, one case died of obstetric shock, one died following post-partum hæmorrhage, one died from perforated duodenal ulcer and peritonitis, one died from pneumonia, and one died from post-partum collapse (*see* Nos. 1014, 2416, 2555, 3136, 4365 and 4474 *under deaths*); 151 infants were born alive (84·0 per cent.) and 29 were still-born (16·0 per cent.); 34 of the infants born alive died later. The cause of death was prematurity in thirty cases, cerebral hæmorrhage in two cases, and broncho-pneumonia in two cases.

Pregnancy was complicated by toxæmia in 30 cases (32·0 per cent.), contracted pelvis in 4 cases, placenta prævia in 3 cases, mixed accidental hæmorrhage in 2 cases, hyperemesis in 1 case, ante-partum eclampsia in 1 case, and heart disease in 1 case.

There were 2 cases of puerperal sepsis and 6 cases of pyrexia.

Tables have been drawn up to show the results, presentation, relative infantile weights, and modes of delivery.

TABLE 1—*Results.*

	Mother.		Child 1.				Child 2.			
	A.	D.	A.	S.B.	D.	Total.	A.	S.B.	D.	Total.
Category A - -	33	1	22	9	3	34	26	4	4	34
Category B - -	51	5	33	9	14	56	36	7	13	56
Totals - -	84	6	55	18	17	90	62	11	17	90

TABLE 2—*Presentations.*

Child 1. Child 2.	Vertex Vertex	Vertex Breech	Breech Vertex	Breech Breech	Vertex Comp'nd	Breech Shoulder
Category A	18	3	10	2	—	1
Category B	37	6	7	5	1	—
Totals -	55	9	17	7	1	1

TABLE 3—*Showing Weights of Infants.*

	Under 5 lbs.	5 - 6 lbs.	6 - 7 lbs.	Over 7 lbs.
Category A - -	15	26	21	6
Category B - -	56	32	15	9
Totals - -	71	58	36	15

TABLE 4—*Showing Mode of Delivery.*

	Spontaneous.	Forceps.	Cæsarean Section.	Manual Breech.
Category A - -	50	7	2	9
Category B - -	84	9	6	13
Totals - -	134	16	8	22

2. *Triples.*

There were 3 cases of triplets during the year. One case was complicated by placenta prævia, and was delivered by cæsarean section. In one case there was a foetus paparaceous and the other two infants were born alive, but died from prematurity. In one case there were three breech presentations, which were delivered manually—all children were alive. In the third case the first child was born spontaneously, still-born, as a vertex, the second child was born spontaneously after internal version, and the third child was born spontaneously as a vertex. Both these infants died later from prematurity.

## OBSTETRICAL OPERATIONS.

*A Summary of the various Obstetrical Operations is given in the following Tables.*

1. *Forceps.*

Forceps was applied in 490 cases, and the results are shown in the following table :—

Indication for Operation.	No. of Cases.	Mother.		Child.			Pyrexia.	Sepsis.
		Alive.	Died.	Alive.	S.B.	Died.		
Contracted pelvis -	84	82	2	65	14	5	5	1
Contracted pelvis & occipito-posterior	12	11	1	10	2	—	2	—
Occipito-posterior -	126	126	—	101	17	8	11	2
Second stage delay	232	229	3	206*	22	5	21	4
Prolapsed cord -	6	6	—	3	3	—	1	—
Brow presentation -	3	3	—	1	2	—	—	—
Compound presentation -	3	3	—	3	—	—	—	—
Face presentation -	1	1	—	1	—	—	—	—
Eclampsia -	12	11	1	9	3	—	3	—
Heart disease -	11	10	1	9	1	1	2	—
Totals - -	490	482	8	408	64	19	45	7

\* Twins (once).

2. *Cæsarean Section.*

## (1) CLASSICAL OPERATION.

Indication for Operation.	No. of Cases.	Mother.		Child.			Pyrexia.	Sepsis.
		Alive.	Died.	Alive.	S.B.	Died.		
Contracted pelvis -	57	57	—	54	3	1	7	—
Placenta prævia -	41	40	1	27	6	11	1	—
Bad obstetric history -	12	12	—	11	—	1	1	—
Heart disease -	4	4	—	4	—	—	1	—
Disproportion -	2	2	—	2	—	—	—	—
Others -	27	26	1	23	1	4	2	—
Totals -	143	141	2	121	10	17	12	—

## (2) LOWER UTERINE SEGMENT OPERATION.

Contracted pelvis -	57	55	2	52	4	1	—	—
Disproportion -	8	8	—	8	—	—	1	—
Others -	10	9	1	9	—	1	1	—
Totals -	75	72	3	69	4	2	2	—

3. *Induction of Labour.*

## (1) ARTIFICIAL RUPTURE OF MEMBRANES.

Indication for Operation.	Mother.		Child.			Miscarriage.	Undelivered.
	Alive.	Died.	Alive.	S.B.	Died.		
Hypertensive toxæmia -	148	—	118*	24*	15	1	—
Accidental hæmorrhage -	46	1	21	21	5	—	—
Hydramnios - - - -	22	—	6	14	3*	—	—
Heart disease - - - -	20	—	18	—	2	—	—
Contracted pelvis - -	20	1	18	3	—	—	—
Eclampsia - - - - -	7	1	1	5	3*	—	—
Pyelitis - - - - -	6	—	4	—	2	—	—
Placenta prævia - - -	7	—	5	1	1	—	—
Post-maturity - - - -	5	—	5	—	—	—	—
Late vomiting - - - -	2	—	2	—	—	—	—
Tuberculosis - - - - -	1	1	1	—	1	—	—
Others - - - - -	22	—	19	2	1	—	—
Totals - - - - -	306	4	218	70	33	1	—

\* Twins.

## (2) BOUGIES.

Hypertensive toxæmia -	13	—	7	3	1	2	—
Pyelitis - - - - -	2	—	1	—	1	—	—
Hydatidiform mole - -	1	—	—	—	—	—	—
Totals - - - - -	16	—	8	3	2	2	—

4. *Version.*

## (1) EXTERNAL.

Indication for Operation.	Mother.		Child.			Miscarriage.	Undelivered
	Alive.	Died.	Alive.	S.B.	Died.		
Breech presentation - -	102	1	47	7	2	—	47
Shoulder presentation - -	10	—	6	1	1	—	2
Totals - - - -	112	1	53	8	3	—	49

## (2) INTERNAL.

Shoulder presentation -	16	—	6	8	2	—	—
Shoulder and prolapsed cord	3	—	1	2	—	—	—
Plural pregnancy - -	8	—	5	1	2	—	—
Prolapsed cord - - -	5	—	4	1	—	—	—
Placenta prævia - - -	5	—	1	4	—	—	—
Brow presentation - -	4	—	2	2	—	—	—
Compound presentation -	4	—	3	1	—	—	—
Slight contracted pelvis and acute maternal distress -	1	1	—	2	—	—	—
Totals - - - -	46	1	22	21	4	—	—

## (3) BIPOLAR.

Placenta prævia - - -	5	—	2	3	—	—	—
Prolapsed cord and shoulder	2	—	—	2	—	—	—
Totals - - - -	7	—	2	5	—	—	—

### 5. *Manual Removal of Placenta.*

Reason for Removal.	Mother.		Sepsis.	Pyrexia.
	Alive.	Died.		
Retained placenta - - - -	15	1	3	2
Retained placenta and post-partum hæmorrhage - - - -	19	3	2	1
Totals - - - -	34	4	5	3

The cause of death in the four cases was obstetric shock.

In 18 of the cases (47·3 per cent.) the child had been born before admission of patient to hospital. Of these cases 2 died ; one developed sepsis and one developed pyrexia.

### 6. *Craniotomy.*

Craniotomy was performed in 3 cases, twice because of disproportion and once because of malpresentation. There were no maternal deaths and there was 1 case of mild sepsis.

7. *Perforation.*

Indication for Operation.	Mother.		Sepsis.	Pyrexia.
	Alive.	Died.		
Hydrocephalus - - - -	6	—	—	1
Prolonged labour - - - -	4	1	—	2
Contracted pelvis - - - -	5	1	1	—
Disproportion - - - -	3	—	—	—
Occipito-posterior - - - -	1	1	—	—
Totals - - - -	19	3	1	3

The after-coming head was perforated in 2 cases. In 1 case delivery was completed by forceps and in the others by traction. In 2 cases delivery was spontaneous and in 6 cases manual.

8. *Oophorectomy, Ovariectomy, and Salpingo-oophorectomy.*

Indication for Operation.	Mother.	
	Alive.	Died.
Ectopic pregnancy - - - -	2	—
Ovarian cyst - - - -	1	—
Fibroma of ovary - - - -	1	—
Salpingo-oophoritis - - - -	1	—
Totals - - - -	5	—

9. *Hysterotomy.*

Indication for Operation.	Mother.		Sepsis.	Pyrexia.
	Alive.	Died.		
Hypertensive toxæmia - - - -	4	—	—	—
Hyperemesis - - - - -	3*	—	1	—
Heart disease - - - - -	3	—	—	—
Tuberculosis - - - - -	3	—	—	—
Chronic nephritis - - - - -	2	—	—	—
Pyelitis - - - - -	2	—	—	—
Goitre - - - - -	1	—	—	—
Others - - - - -	8	—	—	1
Totals - - - - -	26	—	1	1

\* In one of these cases operation was by the vaginal route.

10. *Hysterectomy.*

Indication for Operation.	Mother.		Sepsis.	Pyrexia.
	Alive.	Died.		
Ruptured uterus - - - - -	6	—	—	1
Fibroids - - - - -	2	—	—	—
Ruptured ectopic - - - - -	1	—	—	1
Placenta accreta - - - - -	—	1	1	—
Totals - - - - -	9	1	1	2

11. *Blood Transfusions.*

One hundred and fifty-nine patients were treated by blood transfusion, 192 transfusions in all being given.

Condition.	Retained Placenta and P. P. H.	Abortions.	Accidental Hæmorrhage.	Placenta Prævia.	Anæmia.	Obstetric Shock.	Rupture of Uterus.	Inversion of Uterus.	Ectopic Pregnancy.
No. of cases -	52	25	25	17	17	12	6	4	1

Of the cases of retained placenta and post-partum hæmorrhage, in 40 cases the child had been born before the patient was admitted to hospital.

12. *Various other Operations.*

Appendicectomy - - - - -	1
Cleidotomy - - - - -	3
Myomectomy - - - - -	3
Cauterisation of cervix - - - - -	1
Curettagé - - - - -	217
	<hr/>
	225
	<hr/>

### CONTRACTED PELVIS.

There were 390 cases of contracted pelvis admitted during the year 1939, and of these 267 had been under ante-natal supervision at the hospital clinic. There were 8 maternal deaths. There were two deaths following spontaneous delivery—one from obstetric shock and one from incomplete rupture of the uterus; three cases died following delivery by the forceps, one case died under anaesthesia for a mid-forceps delivery, one case died of acute pyelonephritis and one case died from obstetric shock following a high forceps delivery. Two cases died of obstetric shock following lower uterine segment caesarean section and one case died following manual delivery of a breech presentation. Puerperal sepsis occurred in 3 cases and puerperal pyrexia in 25 cases; 343 infants (or 87.4 per cent.) were born alive, and of this number 6 died. There were 46 (or 11.1 per cent.) still-births.

#### A.—Cases under Ante-natal Supervision at Hospital Clinic (Total, 267).

Mode of Delivery.	No. of Cases.	Mother.		Child.			Mortality per cent.		Pyrexia.	Sepsis.	Total.
		Alive.	Died.	Alive.	S.B.	Died.	M.	Ch.			
Spontaneous	118	117	1	109*	5	5	0.8	4.2	4	1	5
Forceps	52	50	2	43	9	—	3.8	17.3	1	—	1
Classical caesarean section	49	49	—	47*	3	—	—	6.0	3	1	4
Lower uterine segment section	39	38	1	35	4	—	2.6	10.3	5	—	5
Perforation and traction	3	3	—	—	3	—	—	100.0	—	—	—
Manual breech	3	3	—	1	2	—	—	66.6	—	—	—
Abdominal hysterotomy	1	1	—	—	—	—	—	—	—	—	—
Undelivered	2	2	—	—	—	—	—	—	—	—	—
<b>Totals</b>	<b>267</b>	<b>263</b>	<b>4</b>	<b>235</b>	<b>26</b>	<b>5</b>	<b>1.5</b>	<b>9.8</b>	<b>13</b>	<b>2</b>	<b>15</b>

\* Twins.

## B.—Others (Total, 123).

Mode of Delivery.	No. of Cases.	Mother.		Child.			Mortality per cent.		Pyrexia.	Sepsis.	Total.
		Alive.	Died.	Alive.	S.B.	Died.	M.	Ch.			
Spontaneous	36	35	1	37*	1	—	2.8	2.6	—	—	—
Forceps	44	43	1	31*	1	4	2.3	22.2	4	1	5
Classical caesarean section	10	10	—	10	—	—	—	—	3	—	3
Lower uterine segment section	18	17	1	17	—	1	5.6	—	5	—	5
Perforation and traction	2	2	—	—	—	—	—	100.0	—	—	—
Manual breech	8	7	1	2	5	1	12.5	62.5	—	—	—
Caesarean hysterectomy	2	2	—	—	2	—	—	100.0	—	—	—
Undelivered	3	3	—	—	—	—	—	—	—	—	—
Totals	123	119	4	97	20	6	3.2	16.3	12	1	13

\* Twins.

## Groups A and B (Total, 390).

Spontaneous	154	152	2	151	6	—	1.3	3.8	4	1	5
Forceps	96	93	3	74	19	4	3.1	19.6	5	1	6
Classical caesarean section	59	59	—	57	3	—	—	5.0	6	1	7
Lower uterine segment section	57	55	2	52	4	1	3.5	7.0	10	—	10
Perforation and traction	5	5	—	—	5	—	—	100.0	—	—	—
Manual breech	11	10	1	3	7	1	9.1	63.6	—	—	—
Caesarean hysterectomy	2	2	—	—	2	—	—	100.0	—	—	—
Abdominal hysterotomy	1	1	—	—	—	—	—	—	—	—	—
Undelivered	5	5	—	—	—	—	—	—	—	—	—
Totals	390	382	8	337	46	6	2.2	11.8	25	3	28

Twins (5 times).

## CONTRACTED PELVIS.

## 1.—INDUCTION OF LABOUR.

Surgical induction of labour by puncture of the membranes was performed 23 times during the year. There was 1 maternal death, which occurred under anæsthesia for a mid-forceps delivery (*see Case No. 3203 under deaths*). Four infants were still-born. Spontaneous delivery occurred in 13 cases. Eight cases required delivery by the forceps (in 3 of these cases the child was still-born) and 2 cases required delivery by lower uterine cæsarean section.

Successful medical induction was performed 11 times in cases of contracted pelvis. There were no maternal deaths and all the infants were born alive. Spontaneous delivery occurred in 2 cases, 4 cases required delivery by the forceps and 5 cases were delivered by cæsarean section.

## CONTRACTED PELVIS.

## 2.—SPONTANEOUS DELIVERY.

Spontaneous delivery occurred in 154 cases of contracted pelvis. An analysis of the degree of contraction, weight of the child, and duration of labour has been made. There were 2 maternal deaths—one from obstetric shock, due to incomplete rupture of the uterus (*see Case No. 2068 under deaths*) and one case of twins died of obstetric shock. This case died in the year 1940. The still-birth rate was 3·9 per cent. and the combined pyrexia and sepsis rate was 3·2 per cent. Among the 6 cases in which still-birth occurred, prolapse of the cord was noted in two cases, intra-uterine death in two cases and in one case the head was on the perineum for two-and-a-half hours. There were 5 infantile deaths. The following complications of pregnancy occurred:—Hypertensive toxæmia, 14 cases, heart disease, 2 cases, hydramnios, 1 case, external accidental hæmorrhage, 1 case. Labour was complicated by breech presentation in 3 cases, prolapse of the cord in 2 cases, face presentation in 1 case; occipito-posterior position in 1 case and incomplete rupture of the uterus in 1 case. In 4 cases cæsarean section had been performed previously.

*Analysis of Spontaneous Delivery in cases of Contracted Pelvis.*

Weight of Child.	Duration of Labour.	CATEGORY A.			CATEGORY B.		
		D.C. under 3½ ins.	D.C. 3½ - 4¼ ins.	D.C. over 4¼ ins.	D.C. under 3½ ins.	D.C. 3½ - 4¼ ins.	D.C. over 4¼ ins.
Under 7 lbs.	Under 12 hours . . .	—	20	5	—	12	2
	12 - 24 hours . . .	—	15	7	1	4	1
	Over 24 hours . . .	—	1	1	—	3	—
7 - 8 lbs.	Under 12 hours . . .	—	18	5	—	5	1
	12 - 24 hours . . .	1	13	2	—	1	—
	Over 24 hours . . .	—	8	6	—	2	2
Over 8 lbs.	Under 12 hours . . .	—	5	1	—	1	1
	12 - 24 hours . . .	—	8	—	—	1	—
	Over 24 hours . . .	—	3	—	—	—	1
Totals . . . . .		1	91	27	1	29	8
Pyrexia . . . . .		—	—	—	—	—	—

Twins 1. Cat. A.

Twins 2. Cat. B.

## CONTRACTED PELVIS.

## 3.—FORCEPS DELIVERY.

Ninety-six cases of contracted pelvis were delivered by the forceps. One case died under anæsthesia for a mid-forceps delivery, one case died of acute pyelonephritis and one case died of obstetric shock following high forceps delivery. There were 19 still-births. Among the cases in which still-birth occurred labour was complicated by prolapse of the cord in one case, face presentation in one case, and occipito-posterior position in one case. There were 5 cases of pyrexia and 1 case of puerperal sepsis, giving a combined pyrexia rate of 6.2 per cent. The pyrexia was due to urinary infection in two cases, mastitis in one case, and in three cases the origin could not be determined. The case of sepsis was an endometritis of a mild nature. There were 4 infantile deaths.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity at Delivery.		Result.		Weight of Child.	Labour.	Pyrexia or Sepsis.	Remarks.
			wks.	ins.	M.	Ch.				
{ 68	40	3	—	—	A	—	—	—	—	False labour.
{ 684	—	—	40	4½	A	A	9½	20	—	High forceps. Face and occiput grip. Rotation to O.A. at outlet.
170	26	2	40	4¼	A	SB	8	96	—	High forceps. Face and occiput grip.
218	30	1	39	4	A	A	7¼	78½	—	Mid forceps. Transverse arrest. Manual rotation.
501	36	1	40	4¼	A	SB	6	46¾	—	Mid forceps. Also hyper. toxæmia.
674	35	1	38	4	A	A	7¾	51	—	High forceps. Face and occiput grip. Walcher position. Anterior parietal presentation.
701	30	1	40	4	A	A	7¾	98	—	Mid forceps. Asymmetrical pelvis.
759	20	1	37	3¾	A	A	7¼	16	—	Mid forceps. Transverse arrest. Manual rotation.
820	26	3	40	4¼	A	A	7½	18	—	Previous classical cæsarean section for C.P. Surg. ind. A.R.M. Low forceps.
842	31	1	40	PJR	A	A	6½	22	—	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet.
976	23	1	40	4	A	A	6¾	62	—	Mid forceps. Generally contracted pelvis. Also hypertensive toxæmia.
1039	26	1	42	4¼	A	A	6¾	33	—	Mid forceps.
1094	35	1	40	PJR	A	A	7	36	—	Mid forceps. Transverse arrest. Manual rotation. Medical induction.
1194	42	1	39	4¼	A	A	7¼	10¾	—	Low forceps. Cardiac—mitralstenosis. Surg. ind. A.R.M.
1242	31	3	40	4¼	A	SB	8½	10½	—	Mid forceps. Medical induction. Surg. ind. A.R.M. Prolapsed cord.

Reg. No.	Age.	Parity.	Maturity at Delivery.	D.C.	Result.		Weight of Child.	Labour.	Pyrexia or Sepsis.	Remarks.
					M.	Ch.				
			wks.	ins.			lbs.	hrs.		
1259	21	1	40	4	A	A	6 $\frac{3}{4}$	22	—	High forceps. Face and occiput grip. Rotation to O.A. at outlet.
1279	33	4	41	4 $\frac{1}{4}$	A	SB	8 $\frac{1}{2}$	13	—	High forceps. Face and occiput grip. Rotation to O.A. in cavity of pelvis.
1305	23	1	40	4 $\frac{3}{8}$	A	A	5 $\frac{1}{2}$	47	—	High forceps. Face and occiput grip. Walcher position.
{ 1308	27	1	—	4 $\frac{1}{4}$	A	—	—	—	—	Breech. Ext. version.
{ 1828	—	—	41	4 $\frac{1}{4}$	A	SB	9	105	—	High forceps. Face and occiput grip. Rotation to O.A. at outlet.
1371	25	1	40	4 $\frac{1}{8}$	A	A	6 $\frac{1}{2}$	17	—	Mid forceps. Transverse arrest. Manual rotation.
{ 1428	31	1	—	—	A	—	—	—	—	Observation.
{ 1887	—	—	42	4 $\frac{1}{4}$	A	A	8 $\frac{1}{2}$	46 $\frac{3}{4}$	P	Mid forceps. Transverse arrest. Manual rotation. Mastitis.
1432	30	4	40	4 $\frac{1}{4}$	A	A	9 $\frac{1}{4}$	16	—	Mid forceps. Transverse arrest. Face and occiput grip. Rotation to O.A.; low in cavity.
1521	31	1	40	4	A	A	8	42 $\frac{1}{2}$	—	Low forceps.
1708	23	1	40	4	A	A	6 $\frac{1}{2}$	59	—	High forceps. Face and occiput grip. Rotation to O.A. in cavity of pelvis.
1735	34	5	39	4 $\frac{1}{4}$	A	A	8 $\frac{1}{4}$	9	—	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet. Hydramnios.
1851	35	1	40	4	A	A	6 $\frac{3}{4}$	42	—	Mid forceps. Contracted outlet—transverse diameter, 3 $\frac{1}{2}$ ins.
1878	22	1	40	4 $\frac{3}{8}$	A	SB	8 $\frac{1}{2}$	33	—	High forceps. Face and occiput grip. Rotated to O.A. at outlet.
1929	20	1	40	4 $\frac{1}{4}$	A	A	?	65	—	Mid forceps. Face and occiput grip. Rotated to O.A. at outlet. Spinal anæsthetic.
2039	29	1	41	4 $\frac{1}{4}$	A	A	6 $\frac{3}{4}$	44 $\frac{1}{2}$	—	Mid forceps. Transverse arrest. Manual rotation. Hypertensive toxæmia. Surg. ind. A.R.M.
2101	34	1	40	PJR	A	A	7 $\frac{1}{2}$	19	—	Mid forceps.
2116	24	2	40	4 $\frac{1}{4}$	A	A	6 $\frac{3}{4}$	32	—	High forceps. R.O.P. Manual rotation. Surg. ind. A.R.M.
2172	19	1	44	4 $\frac{3}{8}$	A	A	8 $\frac{3}{4}$	80	—	Mid forceps.
2196	20	1	40	4 $\frac{1}{4}$	A	A	5 $\frac{1}{4}$	3	—	Low forceps.
2246	23	2	40	4 $\frac{3}{8}$	A	A	7 $\frac{3}{4}$	20	—	Mid forceps. Transverse arrest. Manual rotation.
2376	34	2	40	4 $\frac{1}{8}$	A	SB	9	19	—	High forceps. Face and occiput grip. Rotated to O.A. at outlet.
2425	24	1	40	4 $\frac{1}{4}$	A	A	7 $\frac{1}{2}$	60	—	Mid forceps. Transverse arrest. Face and occiput grip. Rotation to O.A. at outlet.
2528	24	4	40	4	A	A	8 $\frac{1}{4}$	59	—	Mid forceps. Face and occiput grip. Rotated to O.A. at outlet.
2529	24	1	40	4	A	A	6 $\frac{1}{4}$	55	—	Mid forceps. Face and occiput grip. Rotated to O.A. at outlet. Medical induction.
2681	39	3	39	4	A	A	?	80	—	Mid forceps. Surg. ind. A.R.M.

Reg. No.	Age.	Parity.	Maturity at Delivery.		Result.		Weight of Child.	Labour.	Pyrexia or Sepsis.	Remarks.
			wks.	ins.	M.	Ch.				
2690	29	1	41	4	A	A	7 $\frac{3}{4}$	19	—	Mid forceps.
3003	34	1	41	4 $\frac{3}{8}$	A	SB	7	96	—	Mid forceps. Hydramnios and hypertensive toxæmia. Surg. ind. A.R.M.
3200	22	2	39	4 $\frac{3}{8}$	A	A	7 $\frac{1}{2}$	16 $\frac{1}{2}$	—	Low forceps.
3203	23	1	40	4 $\frac{1}{4}$	D	A	6 $\frac{3}{4}$	96	—	Mid forceps. Transverse arrest. Manual rotation. Breech. Ext. version. Surg. ind. A.R.M. ( <i>See under deaths.</i> )
3315	30	1	40	4 $\frac{1}{4}$	A	A	7	10	—	Mid forceps. Also hypertensive toxæmia.
{ 3324	17	1	—	—	A	—	—	—	—	Hypertensive toxæmia.
{ 3838	—	—	40	4 $\frac{1}{4}$	A	A	8	56	—	Mid forceps. Transverse arrest. Manual rotation.
3518	21	1	40	4 $\frac{1}{4}$	A	A	7	52	—	Mid forceps. Persistent occipito-posterior. Manual rotation.
3523	24	1	40	4	A	A	7 $\frac{1}{4}$	24 $\frac{3}{4}$	—	Mid forceps. Transverse arrest. Manual rotation.
3565	27	1	43	—	D	SB	8 $\frac{3}{4}$	50	—	Mid forceps. Generally contracted pelvis. R.O.P. Manual rotation. ( <i>See under deaths.</i> )
3577	22	1	40	4 $\frac{1}{4}$	A	A	7	23	—	Low forceps.
3707	31	1	40	4	A	A	7 $\frac{3}{4}$	25	—	Mid forceps. Transverse arrest. Manual rotation.
3740	29	2	40	4 $\frac{1}{4}$	A	A	6 $\frac{1}{4}$	26 $\frac{1}{2}$	—	Low forceps.
{ 4066	26	1	—	4	A	—	—	—	—	Observation.
{ 4208	—	—	40	4	A	A	8	36	—	High forceps. Walcher position.
4068	22	1	41	4 $\frac{3}{8}$	A	A	9	60	—	Mid forceps.

## B.—Others.

125	30	1	40	4 $\frac{1}{4}$	D	SB	7 $\frac{3}{4}$	82	—	High forceps. Face and occiput grip. Rotation to O.A. at outlet. ( <i>See under deaths.</i> )
161	25	1	40	4 $\frac{1}{4}$	A	A	8 $\frac{1}{4}$	72	P	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet. Pyrexia of unknown origin.
175	29	5	34	4 $\frac{1}{4}$	A	A	7 $\frac{3}{4}$	50	—	High forceps. Face and occiput grip.
363	27	2	41	4 $\frac{1}{4}$	A	SB	8 $\frac{1}{2}$	16 $\frac{1}{2}$	—	Mid forceps. F.F.O.
474	22	1	40	4 $\frac{1}{8}$	A	A	8 $\frac{1}{2}$	30	—	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet.
617	26	2	40	4	A	SB	7 $\frac{1}{2}$	36	—	Mid forceps. Transverse arrest. Manual rotation.
728	32	1	40	4	A	D	4 $\frac{3}{4}$	46	—	Mid forceps. Twins: second internal version. Manual breech.
932	43	2	41	4 $\frac{1}{4}$	A	A	9	87	—	Mid forceps.
993	22	1	41	4 $\frac{1}{4}$	A	A	6 $\frac{1}{2}$	28	—	Mid forceps.
1149	25	1	33	4 $\frac{1}{4}$	A	A	6 $\frac{3}{4}$	26	S	High forceps. Face and occiput grip. Rotation to O.A. in the cavity of pelvis. Mild sepsis.

Reg. No.	Age.	Parity.	Maturity at Delivery.		D.C.	Result.		Weight of Child.	Labour.	Pyrexia or Sepsis.	Remarks.
			wks.	ins.		M.	Ch.				
1158	39	5	40	4 $\frac{3}{8}$		A	A	7 $\frac{1}{2}$	9	—	High forceps. Face and occiput grip. Walcher position. Rotation to O.A. in cavity of pelvis.
1180	34	3	40	4 $\frac{1}{4}$		A	D	6 $\frac{3}{4}$	72	—	High forceps. Posterior parietal presentation. Walcher position. Face and occiput grip.
1311	27	1	35	4		A	A	5 $\frac{1}{2}$	33	—	High forceps. Face and occiput grip.
1480	22	1	40	4 $\frac{1}{4}$		A	A	7 $\frac{3}{4}$	37 $\frac{1}{2}$	P	Mid forceps. Face and occiput grip. Delayed chloroform poisoning. Pyrexia.
1517	34	1	40	4 $\frac{3}{8}$		A	A	9	52	P	Mid forceps. Pyrexia due to urinary infection.
1550	23	2	40	4		A	A	7 $\frac{3}{4}$	6	—	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet. Spinal anæsthetic.
1628	33	6	40	PJR		A	A	7 $\frac{1}{4}$	19	—	High forceps. Face and occiput grip. Walcher position. Rotation to O.A. at outlet.
1739	30	2	38	4 $\frac{1}{4}$		A	A	8	12	—	Mid forceps. Compound presentation —vertex and hand. Hand replaced.
1743	27	7	40	4		A	A	6 $\frac{3}{4}$	38	—	High forceps. Face and occiput grip. Rotation to O.A. at outlet.
2028	28	1	40	4		A	A	7 $\frac{1}{2}$	19 $\frac{1}{2}$	—	Mid forceps.
2095	38	5	46	—		A	SB	9	12	—	Mid forceps. Face presentation. Conversion to a vertex.
2119	22	1	40	4		A	A	7	26 $\frac{1}{2}$	—	Low forceps.
2257	26	1	40	4+		A	A	7 $\frac{1}{4}$	21	—	High forceps. Face and occiput grip.
2798	25	1	40	4 $\frac{1}{4}$		A	SB	8	120	—	High forceps. F.F.O. Contraction ring. Face and occiput grip. Vesico-vaginal fistula.
2822	41	1	38	4 $\frac{3}{8}$		A	SB	6 $\frac{3}{4}$	18	—	Mid forceps. R.O.P. Delivery face to pubis.
2909	34	1	40	—		A	D	—	120	—	Mid forceps. Generally contracted flat pelvis. Spinal anæsthetic.
3086	22	4	40	4 $\frac{1}{4}$		A	A	7	16	—	Mid forceps. Transverse arrest. Manual rotation.
3093	27	2	41	3 $\frac{3}{4}$		A	A	8 $\frac{1}{2}$	13	—	Mid forceps. Occipito-posterior. Manual rotation. Also hypertensive toxæmia.
3131	24	2	40	4 $\frac{1}{4}$		A	A	7	32	—	Mid forceps. Transverse arrest. Manual rotation.
3283	23	1	40	4 $\frac{1}{4}$		A	A	—	77	—	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet.
3309	28	1	41	PJR		A	A	6 $\frac{1}{4}$	56	—	Mid forceps.
3364	22	1	40	4 $\frac{1}{4}$		A	A	7 $\frac{1}{2}$	41	P	Mid forceps. Occipito-posterior. Face to pubis. Cystitis.
3447	32	5	40	3 $\frac{3}{4}$		A	SB	7 $\frac{3}{4}$	16	—	High forceps. Face and occiput grip. Walcher position.
3609	23	1	40	4 $\frac{1}{8}$		A	A	7 $\frac{1}{4}$	36	—	Mid forceps. Transverse arrest. Face and occiput grip.

Reg. No.	Age.	Parity.	Maturity at Delivery.	D.C.		Result.		Weight of Child	Labour.	Pyrexia or Sepsis	Remarks.
				wks.	ins.	M.	Ch.				
3669	36	8	40	4 $\frac{1}{4}$		A	D	7 $\frac{3}{4}$	25 $\frac{1}{2}$	—	High forceps. Face and occiput grip. Walcher position.
3773	20	1	38	4 $\frac{3}{8}$		A	A	6 $\frac{1}{4}$	25	—	Mid forceps. R.O.P. Manual rotation.
4004	29	1	—	—		A	—	—	—	—	
4041	—	—	40	4 $\frac{1}{4}$		A	A	6 $\frac{1}{2}$	53	—	Mid forceps. Face and occiput grip. Rotation to O.A. at outlet. Also hypertensive toxæmia.
4113	33	1	40	—		A	SB	8	192	—	Mid forceps. Face and occiput grip. Complete tear.
4130	30	3	40	4 $\frac{3}{8}$		A	A	9 $\frac{1}{2}$	41	—	High forceps. Face and occiput grip. Walcher position. Rotated to O.A. in the cavity.
4185	25	1	34	4 $\frac{1}{4}$		A	A	5 $\frac{3}{4}$	51	—	Mid forceps. Face and occiput grip. Also hypertensive toxæmia.
4285	28	1	40	4 $\frac{1}{4}$		A	A	6 $\frac{1}{4}$	18	—	Mid forceps. R.O.P. Manual rotation.
4294	31	3	40	3 $\frac{3}{4}$		A	SB	12	36	—	High forceps. Face and occiput grip.
4452	24	3	43	4 $\frac{1}{8}$		A	SB	8	7	—	Mid forceps. Transverse arrest. Manual rotation. Previous cæsarean section.
4494	25	1	40	4 $\frac{1}{8}$		A	A	6 $\frac{1}{2}$	36	—	Mid forceps. R.O.P. Manual rotation.

## CONTRACTED PELVIS. CÆSAREAN SECTION.

One hundred and sixteen cases of contracted pelvis were delivered by cæsarean section, the classical operation being performed in 59 cases and the lower uterine segment operation in 57 cases. There were 2 maternal deaths, giving a death-rate of 1·7 per cent. for the combined groups. Two cases died from obstetric shock following the lower segment operation (*see* Cases No. 3644 and 915 *under deaths*).

There were 7 still-births—three following the classical operation (one a second twin) and four following the lower segment operation. There was 1 infantile death.

There were 16 cases of puerperal pyrexia and 1 case of puerperal sepsis in the combined group, giving a combined pyrexia and sepsis rate of 14·6 per cent. Six cases of pyrexia and one case of sepsis occurred in cases where the classical operation had been performed. In two cases the pyrexia was of respiratory origin and in four cases the origin could not be determined. In the case of sepsis the infection was limited to the wound. Ten cases of pyrexia occurred in cases where the lower uterine segment operation had been performed. In three cases the origin of the pyrexia could not be determined and in one case the pyrexia was due to pulmonary tuberculosis. In three cases the pyrexia was of respiratory origin, in one case the elevation of temperature coincided with a rigor following the administration of an intravenous glucose saline, and in two cases the pyrexia was due to mastitis. The combined pyrexia and sepsis rate was 11·9 per cent. for the classical operation and 17·5 per cent. for the lower segment operation.

## 4.—CLASSICAL OPERATION.

## A.—Cases under Ante-natal Supervision at Hospital Clinic.

Reg No.	Age.	Parity.	Maturity at Delivery.		Result.		Weight of Child. lbs.	Sterilised.	Spinal Anaesthetic	Pyrexia or Sepsis	Remarks.
			wks.	ins.	M.	Ch.					
245	28	1	39	3 $\frac{3}{4}$	A	A	5 $\frac{3}{4}$	—	—	—	
460	32	1	40	4	A	A	6 $\frac{1}{4}$	—	+	—	
582	35	1	40	4	A	A	5 $\frac{1}{2}$	—	+	—	Short trial labour.
904	23	1	40	4	A	A	5 $\frac{1}{2}$	—	+	—	Trial labour five hours. Hip joint disease. Asymmetrical pelvis.
979	34	4	40	4	A	A	7	—	—	—	
1451	40	1	41	4 $\frac{1}{4}$	A	A	7 $\frac{3}{4}$	—	—	—	Also hypertensive toxæmia.
1462	28	5	42	4 $\frac{1}{8}$	A	A	7 $\frac{3}{4}$	—	—	—	Two previous instrumental deliveries. one spontaneous. All children alive. one abortion.
1542	26	3	—	—	A	—	—	—	—	—	Hyperemesis.
3698	—	—	40	4	A	A	8 $\frac{1}{2}$	—	+	—	Previous instrumental delivery—child alive. One craniotomy.
1653	36	2	40	3 $\frac{3}{4}$	A	A	7 $\frac{3}{4}$	+	+	—	Previous instrumental delivery twenty years previously. Still-birth.
2008	37	1	—	—	A	—	—	—	—	—	Breech. Ext. version.
2179	—	—	40	4 $\frac{1}{8}$	A	A	8 $\frac{1}{4}$	—	—	—	Trial labour. Membranes intact. Overlap present.
2256	29	3	40	4 $\frac{1}{4}$	A	A	7 $\frac{3}{4}$	—	+	—	Two previous still-births.
2844	29	2	40	4+	A	A and SB	5 $\frac{1}{4}$ and 3	—	+	—	Previous instrumental delivery of a child which lived two days.
2923	24	1	38	4 $\frac{1}{8}$	A	A	7	—	—	P	Short trial labour. Shock. Blood transfusion. P.U.O.
3277	33	2	40	3 $\frac{7}{8}$	A	A	7 $\frac{3}{4}$	—	—	—	Previous instrumental still-birth.
3405	36	3	34	3 $\frac{7}{8}$	A	A	6 $\frac{1}{2}$	—	—	—	Trial labour three hours. Two previous instrumental deliveries. First still-born; second lived five days.
3505	35	1	40	—	A	A	5 $\frac{1}{4}$	—	+	—	Membranes ruptured nine hours.
3919	27	1	42	4	A	A	9	—	+	—	
4073	30	6	39	4	A	A	8 $\frac{1}{4}$	+	+	—	Three previous instrumental deliveries. Two still-births. One alive. Two abortions.
4184	24	1	36	4 $\frac{1}{4}$	A	A	6	—	—	—	Trial labour six hours.
4402	33	2	40	4	A	SB	7	—	—	—	Macerated foetus.

## B.—Others.

1548	18	1	41	4 $\frac{1}{2}$	A	A	7 $\frac{1}{4}$	—	+	P	P.U.O.
2366	27	3	—	—	A	—	—	—	—	—	Central placenta prævia.
2586	—	—	36	4 $\frac{1}{4}$	A	A	?	+	—	—	Two blood transfusions.
2421	21	1	39	4	A	A	7	—	—	—	
3832	19	1	40	4	A	A	7	—	+	—	Abscess of wound.

## CLASSICAL OPERATION (REPEAT SECTION).

## A.—Cases under Ante-natal Supervision at Hospital Clinic.

Reg No	Age.	Parity.	Maturity at Delivery.	D.C.		Result.		Weight of Child.	Sterilised.	Spinal Anaesthetic	Pyrexia or Sepsis	Remarks
				wks.	ins	M.	Ch.					
3	30	2	40	3½		A	A	6	+	+	—	Resuture of wound.
46	26	2	40	—		A	A	7¾	+	—	P	Previous L.U.S. section. P.P.H. Blood transfusion. P.U.O.
119	28	4	38	4		A	SB	5¼	—	—	—	Concealed accidental hæmorrhage Blood transfusion.
126	39	5	38	3¾		A	A	8¼	+	+	—	
206	32	3	40	4		A	A	6½	+	+	—	Two previous sections.
302	32	5	41	4¼		A	A	5½	+	+	—	Breech.
463	29	3	40	4		A	A	7¼	+	+	—	Previous section following trial labour.
883	30	2	40	4		A	A	8	+	+	—	
975	33	2	40	4		A	A	5½	+	+	—	
1042	24	2	40	3¾		A	A	8¼	+	—	—	Shock. Blood transfusion.
1365	34	5	40	3¾		A	A	7¾	+	+	—	Three previous instrumental deliveries—two still-born; one alive.
1751	23	2	41	3½		A	A	8	+	—	—	
1796	31	2	—	3¾		A	—	—	—	—	—	Observation.
2984	—	—	40	3¾		A	A	—	+	—	—	
1930	28	2	37	1		A	A	—	+	—	—	Trial labour fourteen hours.
2051	39	5	40	4¼		A	A	6½	+	+	—	One instrumental delivery, alive. One spontaneous still-birth and one abortion following section.
2076	31	4	40	3¼		A	A	7	+	—	P	Two previous sections. One abortion. Pyrexia of respiratory origin.
2525	21	2	42	—		A	A	6	+	+	—	
2668	30	2	40	4		A	A	7½	+	+	—	
2845	38	3	40	3½		A	A	7¾	+	+	—	Mastitis.
2864	33	3	40	3½		A	A	7¼	+	+	—	Two previous sections.
2991	28	2	40	3½		A	A	9	+	+	—	
3097	30	3	40	3¾		A	A	8	+	—	—	
3559	27	2	40	4		A	A	6¼	+	+	—	
3810	38	2	38	4¼		A	A	6½	+	+	—	
3969	22	2	39	4¼		A	A	7	+	+	—	
4036	28	2	40	4		A	A	6	+	+	S	Wound sepsis.
4099	23	3	40	4		A	A	6	—	+	—	No live children.
4263	30	6	40	3⅞		A	A	7¾	+	+	—	
4442	31	2	39	—		A	A	6¾	+	+	—	

## B.—Others.

898	36	3	40	4¼		A	A	6	+	—	—	Six hours trial labour.
966	29	2	40	3¾		A	A	9¾	+	+	P	Early in labour. Pyrexia of respiratory origin.
2021	35	2	—	—		A	—	—	—	—	—	Observation.
2194	—	—	40	—		A	A	8¼	+	—	—	
3299	26	2	40	3¾		A	A	8½	+	+	P	P.U.O.
3678	27	2	40	3¾		A	A	5¼	+	—	—	Membranes ruptured twenty-one hours.
4436	33	2	40	3½+		A	A	7	+	+	—	

## 5.—LOWER UTERINE SEGMENT OPERATION.

## A.—Cases under Ante-natal Supervision at Hospital Clinic.

Reg No	Age.	Parity.	Maturity at Delivery.		Result.		Weight of Child. lbs.	Sterilised.	Spinal Anesthetic.	Pyrexia or Sepsis	Remarks
			wks.	ins	M.	Ch.					
17	23	1	42	4	A	A	8 $\frac{3}{4}$	-	-	-	Breech. Ext. version. Trial labour ten hours. Membranes unruptured.
{ 137 594	26	1	—	4 $\frac{1}{4}$	A	—	—	-	-	-	Generally contracted pelvis. Trial labour twenty-four hours. Pyrexia (pulmonary tuberculosis) Membranes ruptured twenty-six hours.
	—	—	41	4 $\frac{1}{4}$	A	SB	7 $\frac{1}{2}$	-	+	P	
435	31	2	41	4 $\frac{1}{4}$	A	A	6 $\frac{1}{2}$	-	+	-	Previous instrumental delivery—child still-born.
669	28	2	42	3 $\frac{3}{4}$	A	A	—	-	+	-	Poor pains for thirty-six hours. Also hypertensive toxæmia.
704	34	1	35	3 $\frac{3}{4}$	A	A	7	-	+	-	Hypertensive toxæmia.
{ 757 1689	26	2	—	4 $\frac{1}{4}$	A	—	—	-	-	-	Surg. ind. A.R.M. Previous craniotomy. Thirty-six hours poor pains.
	—	—	40	4 $\frac{1}{4}$	A	A	9 $\frac{3}{4}$	-	+	-	
758	26	1	40	3 $\frac{3}{4}$	A	A	7 $\frac{1}{2}$	-	+	-	Short trial labour. Myomectomy.
915	25	2	42	4	D	A	6 $\frac{1}{2}$	-	+	-	Short trial labour. Fœtal distress. Blood transfusion. (See under deaths.)
{ 1006 1660	32	1	—	4	A	—	—	-	-	-	Breech. Ext. version. Rachitic pelvis. Trial labour twelve hours. Membranes ruptured five hours.
	—	—	40	4	A	A	6 $\frac{1}{4}$	-	+	-	
1481	30	4	40	4	A	A	7 $\frac{3}{4}$	-	-	-	Three previous still-births.
1760	30	1	38	4 $\frac{1}{4}$	A	A	7	-	+	-	Trial labour. Membranes ruptured six hours. Also hypertensive toxæmia.
1992	23	2	42	3 $\frac{1}{2}$	A	A	6 $\frac{1}{2}$	-	+	-	Short trial labour. Well marked overlap. Previous abortion at 3 months.
2625	23	2	40	3 $\frac{3}{4}$	A	A	6 $\frac{3}{4}$	-	-	-	Short trial labour. Previous abortion at 3 months.
{ 2763 3465 3171	21	1	42	4 $\frac{1}{4}$	A	A	7 $\frac{3}{4}$	-	+	-	Trial labour six hours. Also hypertensive toxæmia. Secondary P.P.H.
	—	—	—	—	A	—	—	-	-	-	
3171	31	3	41	4 $\frac{1}{4}$	A	A	9 $\frac{1}{2}$	-	-	-	Two previous still-births. Surg. ind. A.R.M. Fœtal distress. Also hypertensive toxæmia.
3292	21	1	41	4 $\frac{3}{8}$	A	A	7 $\frac{1}{4}$	-	-	-	Membranes ruptured for four hours. Pains very poor.
3377	26	1	40	3 $\frac{5}{8}$	A	SB	?	-	-	-	Short trial labour. One hour after pains began fœtal heart was no longer heard.
3403	30	2	40	4	A	A	7 $\frac{1}{2}$	-	+	-	Trial labour sixteen hours. Fœtal distress.
3624	35	2	39	3 $\frac{7}{8}$	A	SB	?	-	+	-	Trial labour seven hours. Previous still-birth.
3837	33	1	40	3 $\frac{3}{4}$	A	A	5 $\frac{1}{2}$	-	-	-	Not in labour.

Reg No	Age.	Parity.	Maturity at Delivery. wks.	D.C. ins	Result.		Weight of Child. lbs.	Sterilised.	Spinal Anaesthetic.	Pyrexia or Sepsis	Remarks
					M.	Ch.					
3869	26	2	40	4 $\frac{1}{4}$	A	A	7 $\frac{1}{4}$	-	+	-	Membranes ruptured twelve hours. Previous still-birth.
3928 4272	19	1	—	4 $\frac{1}{4}$	A	—	—	-	-	-	Observation.
	—	—	36	4 $\frac{1}{4}$	A	A	7 $\frac{3}{4}$	-	-	-	Short trial labour. Marked foetal distress.
3976	34	1	44	4 $\frac{1}{8}$	A	A	8 $\frac{1}{2}$	-	+	-	Patient not in labour.
4051	30	1	40	3 $\frac{7}{8}$	A	A	6	-	+	-	Short trial labour. Foetal distress.
4224	21	1	41	4 $\frac{1}{8}$	A	A	6 $\frac{1}{4}$	-	+	P	Trial labour six hours. Mastitis.
4341	29	1	40	—	A	A	5 $\frac{1}{2}$	-	+	P	Breech. Twelve hours in labour. P.U.O.
4403	27	1	40	4 $\frac{1}{4}$	A	SB	8	-	-	-	Six hours trial labour.

## B.—Others.

26	37	1	40	—	A	D	7	+	+	-	Rachitic flat pelvis. Seventeen hours in labour. Membranes ruptured one hour. Patient mentally subnormal.
951	24	1	37	4	A	A	6 $\frac{1}{4}$	-	+	P	Generally contracted pelvis. Six hours trial labour. Pyrexia (respiratory).
1426	24	2	39	—	A	A	8	-	-	-	Previous instrumental delivery, with still-birth. Trial labour.
1757	31	5	41	4	A	A	8 $\frac{1}{4}$	-	+	-	First delivery instrumental. Others spontaneous. Poor pains.
2674	27	1	41	4	A	A	6 $\frac{1}{2}$	-	+	P	Patient not in labour. Also hypertensive toxæmia. P.U.O.
2895	21	1	40	4 $\frac{1}{8}$	A	A	?	-	-	P	Short trial labour. Pyrexia (respiratory).
2983	27	1	40	3 $\frac{1}{2}$	A	A	7	-	+	-	Seven hours trial labour. Marked overlap. Dysentery.
3300	23	1	40	4	A	A	8 $\frac{1}{4}$	-	+	-	Poor pains for forty-eight hours. Membranes intact.
3333	32	3	40	3 $\frac{1}{2}$	A	A	6 $\frac{1}{2}$	-	+	-	Trial labour. One abortion. One spontaneous delivery of a full time living child.
3396	24	1	40	4	A	A	6 $\frac{3}{4}$	-	-	-	Membranes ruptured eighteen hours. No pains. Also hypertensive toxæmia.
3440	32	2	40	4	A	A	8 $\frac{1}{4}$	-	-	-	Breech presentation. Membranes ruptured sixteen hours.
3587	30	1	41	4 $\frac{1}{8}$	A	A	7 $\frac{1}{2}$	-	+	-	Trial labour. Also hypertensive toxæmia.
3644	27	1	40	3 $\frac{3}{4}$	D	A	6 $\frac{1}{2}$	-	-	-	Prolapsed cord. Marked overlap. (See under deaths.)
3652	26	3	40	4	A	A	9	-	+	-	Rachitic pelvis. Fifteen hours trial labour. Membranes ruptured four hours.
4000	21	1	37	4	A	A	6 $\frac{1}{2}$	-	-	-	Posterior parietal presentation. Trial labour twelve hours.
4116	37	5	40	4 $\frac{1}{8}$	A	A	8	-	-	P	Posterior parietal presentation.
4331 4437	30	1	—	3 $\frac{3}{4}$	A	—	—	-	-	-	
	—	—	40	3 $\frac{3}{4}$	A	A	7 $\frac{1}{4}$	-	+	-	Trial labour twelve hours. Membranes unruptured.

## LOWER UTERINE SEGMENT OPERATION (REPEAT SECTION).

## A.—Cases under Ante-natal Supervision at Hospital Clinic.

Reg No	Age	Parity.	Maturity at Delivery.	D.C.	Result.		Weight of Child. lbs.	Sterilised.	Spinal Anaesthetic	Pyrexia or Sepsis	Remarks
					M.	Ch.					
			wks.	ins.							
215	25	3	40	4	A	A	9	-	+	—	Patient early in labour. Refused sterilisation.
332	26	2	40	3½	A	A	7	+	+	—	Trial labour four hours.
391	30	3	40	4	A	A	8½	+	+	P	Trial labour seven hours. Mastitis.
863	33	2	44	3½	A	A	9	+	+	—	Not in labour.
1373	24	4	40	4¼	A	A	7¾	+	+	—	Two hours in labour.
1429	30	2	40	3½	A	A	7½	+	+	—	Not in labour.
2378	35	4	38	4¼	A	A	6	+	-	—	Trial labour thirty hours.
2719	36	3	41	4	A	A	7¼	-	+	P	Not in labour. Rigor following intravenous glucose saline. Also hypertensive toxæmia.
3096	24	3	39	4¼	A	A	9½	+	+	—	Not in labour.
3459	29	3	40	4⅛	A	A	5½	+	+	—	Early in labour.
4317	27	2	40	3½	A	A	8¼	+	-	—	Early in labour.
4443	25	2	40	4	A	A	4¼	+	+	—	Early in labour.

## B.—Others.

3044	23	3	41	3¾	A	A	—	+	+	P	Trial labour three hours. Pneumonia. Also hypertensive toxæmia.
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## CONTRACTED PELVIS.

PERFORATION AND TRACTION, INTERNAL VERSION AND  
BREECH DELIVERIES.

Delivery was effected by perforation and traction in 5 cases. In one case an attempt at forceps delivery had been made outside. In one case there was face presentation and in one an occipito-posterior position of the vertex. In one case the child died at the onset of labour. In 5 cases delivery followed internal version. There was one maternal death, due to ruptured uterus. In two cases the indication for operation was brow presentation. Manual breech delivery occurred in 6 cases. There were 4 still-births in two of the cases, due to delay in delivery of the after-coming head. There were two cases of rupture of the uterus, the rupture being through the scar of a previous classical caesarean section. In one case the patient was not in labour. Sub-total hysterectomy was performed in both cases. Abdominal hysterotomy was performed in one case of gross deformity of the spine.

## 6. — PERFORATION AND TRACTION.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity at Delivery.		D.C.	Result.		Weight of Child. lbs.	Labour. hrs.	Pyrexia or Sepsis.	Remarks.
			wks.	ins.		M.	Ch.				
1016	38	1	41	4 $\frac{1}{4}$	A	SB	8 $\frac{1}{2}$	85	—	Hyp. toxæmia. I.U.D. P.P.H. Manual removal of placenta.	
1075	39	5	40	4	A	SB	7	56	—	Attempted forceps delivery.	
3253	20	1	40	4	A	SB	—	22	—	R.O.P. G.C.P. Forceps delivery failed. Cleidotomy.	

*B.—Others.*

{	2732	39	7	—	3 $\frac{3}{4}$	A	—	—	—	—	Face presentation. Attempted forceps delivery failed.
	3408	—	—	40	3 $\frac{3}{4}$	A	SB	9	16	—	
	4096	32	1	40	4	A	SB	8 $\frac{1}{2}$	84	—	F.F.O. Forceps delivery failed.

## 7. — INTERNAL VERSION.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity at Delivery. wks.	D.C. ins.	Result.		Weight of Child. lbs.	Labour. hrs.	Pyrexia or Sepsis.	Remarks.
					M.	Ch.				
3548	33	3	40	4 $\frac{1}{4}$	A	SB	8 $\frac{1}{2}$	34	—	Brow presentation. Manual delivery of breech.

*B.—Others.*

21	29	3	40	4 $\frac{3}{8}$	A	A	8	14	—	Brow presentation. Attempted forceps delivery. Manual breech.
728	32	1	39	4	A	A	4 $\frac{3}{4}$	45	—	Twins: (1) Forceps; (2) Manual breech.
1348	41	5	40	4 $\frac{1}{8}$	D	SB	9	120	—	Failed forceps delivery. Manual breech. Rupture of uterus. ( <i>See under deaths.</i> )
3049	38	11	36	—	A	SB	6 $\frac{1}{2}$	21	—	G.C.P. Manual breech. Rupture of uterus. Hysterectomy.

## 8.—MANUAL BREECH DELIVERIES.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

1076	27	2	40	4 $\frac{1}{4}$	A	A	5 $\frac{3}{4}$	13	—	Double uterus. Previous section.
1863	35	2	36	4 $\frac{1}{4}$	A	SB	3	5	—	Twins. Hyp. toxæmia. Second twin vertex.

*B.—Others.*

{	285	41	6	—	—	A	—	—	—	—	Observation.
	3001	—	—	42	4 $\frac{1}{4}$	A	SB	8	24	—	
	2181	36	6	40	PJR	A	SB	6 $\frac{3}{4}$	7	—	Delay in delivery of a.c. head.
	3446	20	1	40	4 $\frac{1}{4}$	A	SB	—	24	P	Pyelitis.
	3980	28	1	40	4 $\frac{3}{8}$	A	A	8 $\frac{3}{4}$	26	—	Hyp. toxæmia. Surg. ind. A.R.M.

## 9.—CÆSAREAN HYSTERECTOMY.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Nil.

*B.—Others.*

Reg. No.	Age	Parity.	Maturity at Delivery. wks.	D.C. ins.	Result.		Weight of Child. lbs.	Labour. hrs.	Pyrexia or Sepsis.	Remarks.
					M.	Ch.				
3414	28	3	41	4	A	A	8	32	—	Rupture of previous classical scar. Sub-total hysterectomy. Right oophorectomy.
3527	28	4	32	4 $\frac{3}{8}$	A	SB	—	—	—	Rupture through previous scar for classical operation.

## 10.—ABDOMINAL HYSTEROTOMY.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Nil.

*B.—Others.*

878	18	1	22	4	A	—	—	—	—	Skeletal deformity. Old spina bifida.
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## 11.—UNDELIVERED.

*A.—Cases under Ante-natal Supervision at Hospital Clinic.*

Reg. No.	Age.	Parity.	Maturity on Admission. wks.	D.C. ins.	Mother.	Remarks.
1772	23	1	—	3 $\frac{1}{8}$	A	False labour.
3716	32	2	36	4	A	

*B.—Others.*

984	30	1	35	—	A	Hyp. toxæmia. Thr. abortion.
1191	30	2	18	4 $\frac{1}{4}$	A	
2741	30	1	38	—	A	

## DISPROPORTION.

There were 25 cases in this group, i.e., where the pelvic measurements were normal, but there appeared to be disproportion between the presenting part and the pelvis. Spontaneous delivery occurred in 11 cases. In two of these cases labour was induced medically and in one case surgically by puncture of the membranes.

Three cases were delivered by the forceps on account of second-stage delay. Nine cases were delivered by cæsarean section—eight cases by lower uterine segment section and one by the classical operation. Three of these cases were complicated by hypertensive toxæmia.

Two cases required craniotomy. One of these was a case of failed forceps outside, the other required blood transfusion after collapse due to post-partum hæmorrhage.

There were no maternal deaths. Of the infants born spontaneously 9 were born alive and 2 were still-born. Of the infants delivered by forceps 2 were still-born. All the infants delivered by cæsarean section were born alive. There were no infantile deaths.

There were 3 cases of pyrexia and 1 of sepsis. The pyrexia in two cases was of urinary origin and in one case of unknown origin. The sepsis was a mild sepsis, following craniotomy and failed forceps outside, and was treated in the isolation ward.

## ANTE-PARTUM HÆMORRHAGE.

There were 335 cases of ante-partum hæmorrhage admitted during the year; 95 were cases of placenta prævia, 147 were cases of apparent accidental hæmorrhage, and 93 were cases of mixed and concealed accidental hæmorrhage.

## 1.—PLACENTA PRÆVIA.

Of the 95 cases of placenta prævia, 1 died, giving a percentage mortality of 1·1 per cent. The case died of obstetric shock, following classical cæsarean section (*see* No. 2416 *under deaths*). There were 21 still-births and 23 infantile deaths. There was 1 case of puerperal pyrexia and 1 case of puerperal sepsis. Fifteen cases received blood transfusions—22 transfusions being given in all.

## A.—Cases under Ante-natal Supervision at Hospital Clinic (Total, 16).

Mode of Delivery.	Type.		Mother.		Child.			Pyrexia.	Sepsis.	Mortality per cent.	
	Cent.	Partial.	A.	D.	A.	S.B.	D.			M.	Ch.
Spontaneous - -	—	9	9	—	7*	1	2	—	—	—	10·0
Internal version, manual or spontaneous breech	—	1	1	—	—	1	—	—	—	—	100·0
Spontaneous breech -	—	1	1	—	—	1	—	—	—	—	100·0
Cæsarean section - -	3	2	5	—	1	1	3	—	—	—	20·0
Totals - -	3	13	16	—	8	4	5	—	—	—	23·5

\* Twins (once).

## B.—Others (Total, 79).

Spontaneous - -	—	24	24	—	16*	3	6	—	—	—	12·0
Cæsarean section - -	20	16	35	1	24†	4	10	—	1	2·8	10·5
Internal version, manual or spontaneous breech	1	3	4	—	1	3	—	—	—	—	75·0
Bipolar version - -	2	3	5	—	2	3	—	1	—	—	60·0
Leg brought down, spontaneous breech -	1	3	4	—	1	3	—	—	—	—	75·0
Manual breech - -	—	3	3	—	1	1	1	—	—	—	33·0
Forceps - - -	—	2	2	—	2	—	—	—	—	—	—
Willet's forceps - -	—	1	1	—	—	—	1	—	—	—	—
Totals - -	24	55	78	1	47	17	18	1	1	1·3	57·3

\* Twins (once).

† Twins (twice).

*Groups A and B (Total, 95).*

Mode of Delivery.	Type.		Mother.		Child.			Pyrexia.	Sepsis.	Maternal mortality per cent.	Still-birth rate per cent.
	Cent.	Partial.	A.	D.	A.	S.B.	D.				
Spontaneous - -	—	33	33	—	23	4	8	—	—	—	11·4
Internal version, manual or spontaneous breech	1	4	5	—	1	4	—	—	—	—	80·0
Cæsarean section - -	23	18	40	1	25	5	13	—	1	2·4	11·6
Bipolar version - -	2	3	5	—	2	3	—	1	—	—	60·0
Manual breech - -	—	3	3	—	1	1	1	—	—	—	33·3
Spontaneous breech -	—	1	1	—	—	1	—	—	—	—	—
Leg brought down, spontaneous breech -	1	3	4	—	1	3	—	—	—	—	75·0
Forceps - - -	—	2	2	—	2	—	—	—	—	—	—
Willet's forceps - -	—	1	1	—	—	—	1	—	—	—	—
Totals - -	27	68	94	1	55	21	23	1	1	1·1	21·2

Twins (four times).

PLACENTA PRÆVIA.

A.—Cases under Ante-natal Supervision at Hospital Clinic.

Reg. No	Age.	Parity.	Maturity on Admission. wks	Maturity at Delivery wks	Condition on Admission	Type.		Mode of Delivery.	Result.		Weight of Child lbs	Pyrexia or Sepsis	First Bleeding wks	Remarks.
						Central.	Partial.		M.	Ch.				
108	34	4	35	35	Good	+	-	Class. cæs. section	A	D	3½	-	33	Spinal anæsthetic.
151	32	5	36	36	Good	+	-	Class. cæs. section	A	SB	7¼	-	35	Blood transfusion. General anæsthetic. Sterilised. Observation.
{ 176 225	40	3	40	40	Good	-	+	Spontaneous	A	-	-	-	-	-
	-	-	41	41	Good	-	+	Spontaneous	A	A	6¼	-	40	A.R.M. in labour. Pyelitis.
333	20	1	39	41	Good	-	+	Spontaneous	A	A	6¼	-	41	Hyp. toxæmia.
812	44	7	40	40	Good	-	+	Spontaneous	A	A	7	-	39	Blood transfusion.
1070	27	2	40	40	Collapsed	-	+	Spontaneous	A	SB	7½	-	30	A.R.M. in labour.
1218	26	4	40	40	Good	-	+	Spontaneous	A	A	7¾	-	40	Spinal anæsthetic. Not sterilised.
1264	33	2	34	34	Good	+	-	Class. cæs. section	A	D	4½	-	34	Surg. ind. A.R.M.
1703	37	6	38	38	Good	-	+	Spontaneous	A	A	9	-	37	-
1722	33	3	40	40	Good	-	+	Spontaneous	A	A	7½	-	40	-
2029	40	7	40	40	Good	-	+	Spontaneous	A	A	9	-	40	-
2838	19	1	31	32	Good	-	+	Spontaneous	A	D	4½	-	31	Twins. Hyp. toxæmia. Surg. ind. A.R.M.
3358	32	4	39	39	Poor	-	+	Int. version.	A	D	3¾	-	36	Compound presentation. Vertex and arm.
3500	28	1	31	31	Good	-	+	Spontaneous	A	SB	7½	-	-	General anæsthetic. Not sterilised
{ 3505 3591	20	1	33	35	Good	-	+	Class. cæs. section	A	D	4½	-	31	Observation.
	-	-	37	39	Good	-	+	-	A	-	-	-	-	Spinal anæsthetic. Not sterilised.
4048	18	2	34	34	Good	-	+	Class. cæs. section	A	SB	8¼	-	33	Mixed acc. hæmorrhage.
						-	+	Spontaneous	A	SB	4	-	34	-

B.—Others.

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Type.		Mode of Delivery.	Result.		Weight of Child.	Pyrexia or Sepsis.	First Bleeding.	Remarks.
						Central.	Partial.		M.	Ch.				
186	34	5	40	40	Good	+	-	Class. cæs. section	A	A	7	-	40	General anæsthetic.
309	35	1	32	32	Good	-	+	Class. cæs. section	A	D	2	-	32	Triples. Fœtus papyraceous.
506	43	7	35	35	Very collapsed	+	-	Class. cæs. section	A	D	2½	-	35	Myomectomy. Spinal anæsthetic Not sterilised.
703	43	7	33	33	Fair	+	-	Class. cæs. section	A	SB	7	-	35	Three blood transfusions. General anæsthetic. Sterilised.
816	41	13	40	40	Good	+	+	Class. cæs. section	A	A	4	-	35	Spinal anæsthetic. Sterilised.
839	38	7	29	29	Good	-	+	Bipolar version	A	A	7½	-	40	General anæsthetic. Sterilised.
859	24	2	35	35	Good	+	+	Spont. breech.	A	SB	3½	-	29	
890	35	7	38	38	Fair	-	+	Class. cæs. section	A	A	5	-	35	Spinal anæsthetic. Not sterilised.
1058	25	2	40	40	Good	+	-	Class. cæs. section	A	A	7½	-	36	General anæsthetic. Sterilised.
1060	38	4	33	34	Good	-	+	Spontaneous	A	A	7½	-	40	
1083	37	5	40	40	Good	-	+	Spontaneous	A	SB	6	-	33	
1202	30	1	28	30	Good	-	+	Spontaneous	A	A	6½	-	34	Surg. ind. A.R.M. Vagina packed. Blood transfusion. Irreg. dismissal.
1211	27	1	40	40	Good	+	-	Class. cæs. section	A	A	?	-	28	Breech.
1285	37	5	42	42	Good	+	+	Class. cæs. section	A	A	7	-	36	Spinal anæsthetic. Not sterilised.
1293	24	4	35	37	Good	-	+	Class. cæs. section	A	A	8½	-	42	Spinal anæsthetic. Sterilised.
1333	24	6	40	40	Good	-	+	Spontaneous	A	A	6½	-	32	Spinal anæsthetic. Not sterilised.
1381	29	6	40	40	Good	-	+	Spontaneous	A	A	8½	-	40	
1383	24	3	38	38	Good	-	+	Spontaneous	A	A	8½	-	40	
1411	28	4	39	39	Good	-	+	Class. cæs. section	A	A	8½	-	38	
1475	25	8	31	31	Good	-	+	Int. version.	A	A	6½	-	37	General anæsthetic. Not sterilised.
1561	32	5	38	38	Good	+	-	Spont. breech	A	SB	4	-	31	Shoulder presentation.
1564	31	2	40	40	Good	-	+	Class. cæs. section	A	A	?	-	34	Spinal anæsthetic. Sterilised.
					Good	+	-	Class. cæs. section	A	A	7½	-	40	Spinal anæsthetic. Not sterilised.

Reg. No.	Age.	Partly.	Maturity on wks	Maturity at wks	Condition on Admission	Type.		Mode of Delivery.	Result.		Weight of Child lbs	Pyrexia or Sepsis.	First Bleeding. wks	Remarks.
						Central.	Partial.		M.	Ch.				
1670	23	4	40	40	Good	-	+	Spontaneous	A	A	7	-	39	
1736	27	3	35	40	Good	-	+	Spontaneous	A	A	6½	-	35	
1782	30	5	33	33	Good	-	+	Bipolar version	A	A	5½	-	28	
1886	36	7	40	40	Collapsed	+	-	Spont. breech I n t. v e r s i o n.	A	SB	8¾	-	40	Shoulder presentation. Two blood transfusions.
1914	27	2	32	32	Good	-	+	Spont. breech	A	D	4	-	32	Spinal anæsthetic. Not sterilised.
2091	20	2	30	30	Good	-	+	Class. cæs. section	A	SB	3	-	30	Perforation of a.c. head.
2127	34	1	32	32	Fair	+	-	Bipolar version	A	SB	7½	P	32	Blood transfusion. P.U.O.
2292	29	4	40	40	Good	+	-	Manual breech Class. cæs. section	A	A	8½	-	40	General anæsthetic. N o t sterilised.
2307	30	3	34	34	Good	-	+	Spontaneous	A	A	4	-	34	Velamentous insertion of cord.
2337	24	2	34	34	Fair	-	+	Breech. Spont.	A	SB	4¾	-	32	Leg brought down. B l o o d transfusion.
{ 2366 2586 }	27 —	3 —	26 29	28 30	Good Collapsed	+	+	— Class. cæs. section	A A	— A	— —	— —	— 26	General anæsthetic. Sterilised. Two blood transfusions.
2416	26	2	28	28	Very collapsed	+	-	Class. cæs. section	D	D	2½ and 2½	-	26	Twins. Three blood trans- fusions.
{ 2461 2597 }	38 —	13 —	31 32	31 32	— Good	-	+	— Spontaneous	A A	— SB	— 5¼	-	— 32	Surg. ind. A.R.M. Leg brought down.
2482	19	2	30	30	Good	-	+	Breech. Spont.	A	D	2¼	-	32	Surg. ind. A.R.M.
2649	34	2	36	36	Collapsed	-	+	Spontaneous	A	D	5¼	-	36	Surg. ind. A.R.M. R.O.P.
2672	31	1	38	40	Good	-	+	Forceps	A	A	7¼	-	36	Surg. ind. A.R.M. R.O.P. Manual rotation. Forceps.
2695	22	1	34	34	Collapsed	+	-	Class. cæs. section	A	SB	4½	-	34	General anæsthetic. N o t sterilised. Blood transfusion.
2742	38	8	40	40	Good	+	-	Class. cæs. section	A	A	6½	-	39	General anæsthetic. Sterilised.
2761	23	3	28	29	Good	-	+	Class. cæs. section	A	D	?	-	25	General anæsthetic. N o t sterilised.

Reg. No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission	Type.		Mode of Delivery.	Result.		Weight of Child lbs	Pyrexia or Sepsis	First Bleeding.	Remarks.
						Central.	Partial.		M.	Ch.				
2765	36	1	34	34	Poor	-	+	Spontaneous	A	A	?	-	34	Hypertensive toxæmia. Surg. ind. A.R.M.
2768	41	6	40	40	Good	+	-	Class. cæs. section	A	A	5 $\frac{3}{4}$	-	40	General anæsthetic. Sterilised.
3018	31	3	40	40	Collapsed	-	+	Breech. Spont.	A	SB	8	-	40	Foot brought down. Blood transfusion.
3037	37	10	40	40	Good	-	+	Spontaneous	A	A	9 $\frac{1}{2}$	-	40	General anæsthetic. Sterilised.
3052	36	5	40	40	Poor	+	-	Class. cæs. section	A	SB	7 $\frac{1}{2}$	-	36	Hypertensive toxæmia. Blood transfusion.
3062	38	5	36	36	Good	-	+	I n t. v e r s i o n. Spont. breech.	A	SB	4 $\frac{1}{2}$	-	36	Hypertensive toxæmia. Blood transfusion.
3254	25	2	41	41	Good	-	+	Spontaneous	A	A	8 $\frac{1}{2}$	-	41	Hypertensive toxæmia. Surg. ind. A.R.M.
{ 3301	23	2	38	38	Good	-	+	-	A	-	6 $\frac{3}{4}$	-	38	General anæsthetic. Not sterilised.
{ 3450	-	-	40	40	Good	-	+	Class. cæs. section	A	A	-	-	38	General anæsthetic. Not sterilised.
3346	35	5	38	38	Good	-	+	Spontaneous	A	A	6 $\frac{1}{2}$	-	38	P.O.P. Manual rotation.
3392	34	3	35	35	Good	-	+	Forceps	A	A	6	-	35	Transverse lie.
3563	23	3	36	36	Good	-	+	I n t. v e r s i o n. Manual delivery	A	A	6 $\frac{1}{2}$	-	36	Spinal anæsthetic. Sterilised.
3607	36	13	36	36	Good	-	+	Class. cæs. section	A	D	6 $\frac{1}{2}$	-	36	Post-natal pyelitis.
3650	32	2	36	36	Good	+	-	Class. cæs. section	A	D	3	-	28	Spinal anæsthetic. Not sterilised.
3656	28	1	40	40	Good	-	+	Spontaneous	A	A	7	-	40	A.R.M. in labour.
3683	32	2	39	39	Fair	+	+	Class. cæs. section	A	A	7 $\frac{1}{4}$	-	38	Spinal anæsthetic. Not sterilised.
3710	39	4	40	40	Good	-	+	Spontaneous	A	A	7 $\frac{3}{4}$	-	40	Willet's forceps applied to scalp.
3714	41	10	38	38	Good	-	+	Spontaneous	A	D	5 $\frac{1}{2}$	-	38	General anæsthetic. Sterilised.
3738	32	3	40	40	Good	-	+	Class. cæs. section	A	A	9	-	40	Spinal anæsthetic. Not sterilised.
3746	27	1	39	39	Good	-	+	Class. cæs. section	A	A	6 $\frac{1}{4}$	-	39	Leg brought down.
3774	29	3	40	40	Good	+	-	Spont. breech	A	SB	7	-	40	General anæsthetic. Sterilised.
{ 3785	25	3	29	31	Good	-	-	-	A	-	5 $\frac{1}{2}$	S	29	Wound sepsis.
{ 4029	-	-	35	36	Good	-	+	Class. cæs. section	A	A	-	-	29	Spinal anæsthetic. Sterilised.
3819	37	9	30	30	Poor	+	-	Class. cæs. section	A	A	-	-	30	Spinal anæsthetic. Sterilised.

Reg. No	Age.	Parity.	Maturity on Admission wks	Maturity at Delivery wks	Condition on Admission	Type.		Mode of Delivery.	Result.		Weight of Child lbs	Pyrexia or Sepsis	First Bleeding wks	Remarks.
						Central.	Partial.		M.	Ch.				
3824	25	4	32	32	Good	-	+	Spontaneous	A	D	2 $\frac{3}{4}$	-	16	A.R.M. in labour.
3874	35	4	34	34	Poor	-	+	Breech. Manual delivery	A	D	5 $\frac{1}{4}$	-	34	A.R.M. in labour.
3910	26	5	31	31	Good	+	-	Class. caes. section	A	D	4	-	31	General anaesthetic. Not sterilised. Blood transfusion.
3915	24	5	40	40	Collapsed	-	+	Class. caes. section	A	A	5 $\frac{3}{4}$	-	28	Previous section. General anaesthetic. Sterilised. Blood transfusion.
3925	26	3	40	40	Good	-	+	Spontaneous	A	A	7 $\frac{1}{4}$	-	40	Surg. ind. A.R.M.
{ 3989	29	5	22	22	-	-	-	Bipolar version	A	-	-	-	-	Hyperemesis.
	{ 4501	-	40	40	Collapsed	-	+	Spont. breech. Bipolar version	A	SB	6 $\frac{1}{2}$	-	40	Blood transfusion.
3997	41	8	22	30	Good	+	-	Bipolar version	A	A	3 $\frac{1}{4}$	-	22	Cardiac.
4026	25	3	32	32	Poor	-	+	Class. caes. section	A	D	4 $\frac{3}{4}$	-	32	Surg. ind. A.R.M. Spinal anaesthetic. Not sterilised. Blood transfusion.
4030	38	1	30	30	Fair	+	-	Class. caes. section	A	SB	4 $\frac{1}{2}$	-	30	Spinal anaesthetic. Sterilised.
4135	19	2	33	33	Fair	-	+	Spontaneous	A	D	4	-	33	A.R.M. in labour.
4256	37	1	38	38	Good	-	+	Spontaneous	A	A	6 $\frac{1}{2}$	-	37	Surg. ind. A.R.M.
4259	34	10	40	40	Good	-	+	Spontaneous	A	A	6	-	40	Twins. 1st: breech; 2nd: vertex.
{ 4334	27	1	39	39	Good	-	-	-	A	A	4 $\frac{1}{2}$	-	-	Breech. Failed version.
	{ 4482	-	41	42	Good	-	+	Breech. Manual delivery	A	A	7 $\frac{1}{2}$	-	41	Prolapsed cord.
4340	31	4	40	40	Good	-	+	Class. caes. section	A	A	8	-	40	Spinal anaesthetic. Not sterilised.
4362	41	11	41	41	Good	-	+	Class. caes. section	A	A	8	-	41	Spinal anaesthetic. Sterilised.
4430	31	8	34	34	Fair	-	+	Spontaneous	A	SB	4 $\frac{1}{2}$	-	34	

## 2.—APPARENT ACCIDENTAL HÆMORRHAGE.

There were 148 cases of apparent accidental hæmorrhage. There were no maternal deaths. There were 24 still-births and 20 infantile deaths. There was 1 case of puerperal pyrexia and 2 cases of sepsis. Five cases received blood transfusions—6 transfusions in all being given.

*A.—Cases under Ante-natal Supervision at Hospital Clinic (Total, 45).*

Mode of Delivery.	Mother.		Child.			Pyrexia	Sepsis
	A	D	A	S.B.	Died.		
Spontaneous	31	—	22*	7	3	—	—
Art. rupt. memb., spontaneous	8	—	7	1	—	—	—
Forceps	3	—	3	—	—	—	—
Art. rupt. memb., forceps	1	—	1	—	—	—	—
Undelivered	2	—	—	—	—	—	—
Totals	45	—	33	8	3	—	—

\* Twins (once).

*B.—Others (Total, 103).*

Spontaneous	65	—	34	14	17	—	1
Art. rupt. memb., spontaneous	13	—	13	—	—	—	—
Forceps	1	—	1	—	—	1	—
Art. rupt. memb., forceps	2	—	2	—	—	—	—
Perforation and traction	1	—	—	1	—	—	—
Manual	1	—	—	1	—	—	1
Undelivered	20	—	—	—	—	—	—
Totals	103	—	50	16	17	1	2

*Groups A and B (Total, 148).*

Mode of Delivery.	Mother.		Child.			Pyrexia.	Sepsis	Maternal Mortality per cent.	Still birth rate per cent.
	A.	D.	A	S.B.	D				
Spontaneous	96	—	56*	21	20	—	1	—	21.6
Art. rupt. memb., spontaneous	21	—	20	1	—	—	—	—	4.8
Forceps	4	—	4	—	—	—	—	—	—
Art. rupt. memb., forceps	3	—	3	—	—	—	—	—	—
Perforation and traction	1	—	—	1	—	—	1	—	100.0
Manual	1	—	—	1	—	—	—	—	100.0
Undelivered	22	—	—	—	—	—	—	—	—
Totals	148	—	83	24	20	—	2	—	18.8

\* Twins (once).

## 3.—MIXED AND CONCEALED ACCIDENTAL HÆMORRHAGE.

There were 93 cases of mixed and concealed hæmorrhage, of which 3 died from shock (*see* Nos. 957, 3618 and 4209 *under deaths*). There were 89 still-births, 6 infants were born alive, of which 2 died later. There were 6 cases of puerperal pyrexia. Sixteen cases received blood transfusion—21 transfusions being given in all.

In 11 cases the hæmorrhage was of the concealed type and in 82 cases of the mixed type.

## A.—Cases under Ante-natal Supervision at Hospital Clinic (Total, 8).

Mode of Delivery.	Mother.		Child.			Pyrexia	Sepsis
	A	D	A	S.B.	Died.		
Spontaneous - - - - -	4	—	—	4	—	—	—
Surg. ind. art. rupt. memb., spontaneous -	1	—	—	1	—	—	—
Manual breech - - - - -	1	—	—	1	—	—	—
Classical cæsarean section - - - - -	2	—	—	2	—	—	—
Totals - - - - -	8	—	—	8	—	—	—

## B.—Others (Total, 85).

Spontaneous - - - - -	55	2	—	57*	2	4	—
Surg. ind. art. rupt. memb., spontaneous -	24	1	4	21	—	2	—
Forceps - - - - -	1	—	—	1	—	—	—
Breech, manual - - - - -	1	—	—	1	—	—	—
Int. version, spontaneous breech - - -	1	—	—	1	—	—	—
Totals - - - - -	82	3	4	81	2	6	—

\* Twins (twice).

## Groups A and B (Total, 93).

Mode of Delivery.	Mother.		Child.			Pyrexia	Sepsis	Maternal Mortality per cent.	Still birth rate per cent.
	A.	D.	A	S.B.	D.				
Spontaneous - - - - -	59	2	—	61*	2	4	—	3.3	96.8
Surg. ind. art. rupt. memb., spontaneous -	25	1	4	22	—	2	—	3.8	84.6
Forceps - - - - -	1	—	—	1	—	—	—	—	100.0
Manual breech - - - - -	2	—	—	2	—	—	—	—	100.0
Int. version, spontaneous breech -	1	—	—	1	—	—	—	—	100.0
Classical cæsarean section - - - - -	2	—	—	2	—	—	—	—	100.0
Totals - - - - -	90	3	4	89	2	6	—	3.2	93.6

\* Twins (twice).

ACCIDENTAL HÆMORRHAGE. MIXED AND CONCEALED.

A.—Cases under Anti-natal Supervision at Hospital Clinic.

Reg. No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Type.		Mode of Delivery.	Result.		First Bleeding before Delivery.	Weight of Child	Typhlo or Sepsis	Percentage Albumuria	Highest Blood Pressure	Remarks.
						Mixed.	Concealed.		M.	Ch.						
119	28	4	38	38	Collapsed	-	+	Classical section	A	SB	3 hours	5½	-	+	110/75	C. P. D. C. 4 ins. Previous cæs. section. Not sterilised. General anæsthetic.
{ 194 448	25	4	33	35	Collapsed	-	-	Spontaneous	A	SB	6 hours	3½	-	1.5	150/105 136/80	Monster. Anencephalic, with exomphalos. General anæsthetic.
1631	35	7	40	40	Shocked	-	+	Classical section	A	SB	-	-	-	++	120/65	Sterilised. Breech. Ext. version failed.
{ 2496 2506	22	1	36	36	Good	-	-	Manual	A	SB	10 hours	5½	-	-	120/80	Surg. ind. A.R.M. Lat. placenta prævia. Breech.
2607	41	14	36	36	Collapsed	+	-	Spontaneous	A	SB	6 days	7	-	+	140/80	
3386	27	3	30	30	Poor	+	-	Spontaneous	A	SB	6 hours	4½	-	++	130/60	
4048	18	2	34	34	Fair	+	-	Spontaneous	A	SB	8 hours	4	-	+	115/70	
4211	35	3	33	33	Collapsed	+	-	Spontaneous	A	SB	6 hours	4	-	+	120/95	

B.—Others.

77	35	10	38	40	Good	+	-	Spontaneous	A	SB	1 day	7	-	-	180/110	Surg. ind. A.R.M.
149	32	9	36	36	Fair	+	-	Spontaneous	A	SB	21 hours	7	-	+	110/68	R.P. clot 1¼ lbs.
212	24	3	28	28	Good	+	-	Spontaneous	A	SB	10 hours	2½	-	-	142/88	R.P. clot ¾ lb.
216	41	10	40	40	Fair	+	-	Spontaneous	A	SB	6 hours	9½	-	+	110/80	A.R.M. in labour. R.P. clot ½ lb.

Reg. No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Type.		Mode of Delivery	Result.		First Bleeding before Delivery.	Weight of Child lbs	Pyrexia or Zepsis	Percentage Albuminuria	Highest Blood Pressure	Remarks.
						Mixed.	Concealed.		M.	Ch.						
277	37	9	40	40	Collapsed	+	-	Spontaneous	A	SB	5 hours	8½	-	110/64	Blood transfusion. R.P. clot.	
278	23	3	32	32	Good	+	-	Spontaneous	A	SB	6 hours	3½	-	120/80	Breech.	
370	41	10	37	37	Poor	+	-	Spontaneous	A	SB	4 hours	6	+	105/60	A.R.M. in labour. R.P. clot ¼ lb.	
516	33	5	32	32	Collapsed	+	-	Spontaneous	A	SB	17 hours	4	-	108/80	Surg. ind. A.R.M.	
590	26	2	36	36	Collapsed	+	-	Spontaneous	A	A	3 hours	5½	+	140/100	A.R.M. in labour. R.P. clot ½ lb.	
677	33	3	28	28	Poor	+	-	Spontaneous	A	SB	9 hours	4½	+	130/90	R.P. clot ¼ lb. A.R.M. in labour.	
769	29	5	33	33	Collapsed	+	-	Spontaneous	A	SB	13 hours	6¾	-	120/80	Blood transfusion. R.P. clot 1½ lbs.	
830	37	7	29	29	Collapsed	+	-	Spontaneous	A	SB and SB	7 hours	2 and 2½	-	160/85	Blood transfusion. R.P. clot 1½ lbs.	
848	26	2	32	32	Good	+	-	Spontaneous	A	SB	7 hours	4½	+	148/94	R.P. clot 1¼ lbs.	
868	34	2	30	30	Fair	+	-	Spontaneous	A	SB	2 days	3¼	+	148/100	R.P. clot ½ lb. Surg. ind. A.R.M.	
957	42	13	40	40	Very collapsed	+	-	Spontaneous	D	SB	5 hours	7½	-	-	Blood transfusion. (See under deaths).	
963	43	2	33	33	Fair	+	-	Spontaneous	A	SB	8 days	4½	P	120/80	Breech. Small R.P. clot. P.U.O.	
1056	26	2	32	32	Fair	+	-	Spontaneous	A	SB	4 days	4½	-	120/86	Surg. in d. A.R.M. R.P. clot 1½ lbs.	
1095	26	1	34	34	Good	+	-	Spontaneous	A	SB	2 days	5	+	120/90	R.P. clot 10 ozs.	
1137	33	2	34	34	Good	+	-	Spontaneous	A	SB	12 hours	5	+	146/110	Surg. ind. A.R.M. R.P. clot ¾ lb.	
1241	33	4	40	40	Good	+	-	Spontaneous	A	SB	9 hours	6½	-	124/82	R.P. clot ½ lb.	
1263	29	2	38	38	Good	+	-	Spontaneous	A	SB	1 day	5½	Tr.	130/90	R.P. clot 1 lb.	

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Type.		Mode of Delivery	Result.		First Bleeding before Delivery.	Weight of Child	Pyrexia or Sepsis	Percentage Albuminuria	Highest Blood Pressure	Remarks.
						Mixed.	Concealed.		M.	Ch.						
1334	39	4	38	38	Shocked	+	-	Spontaneous	A	SB	5 hours	5½	-	3½	144/90	Blood transfusion. A.R.M. in labour.
1370	22	4	35	35	Collapsed	+	-	Spontaneous	A	SB	4 hours	2¾	-	-	100/64	Small R.P. clot. Blood transfusion. R.P. clot 1½ lbs.
1467	34	9	32	32	Fair	+	-	Spontaneous	A	SB	10 hours	5½	-	+	108/62	R.P. clot 6 ozs.
1487	30	3	38	38	Collapsed	-	+	Spontaneous	A	SB	-	7½	-	+	98/50	R.P. clot 1¾ lbs.
1493	22	1	31	31	Good	+	-	Spontaneous	A	SB	16 hours	4	-	-	126/84	Small R.P. clot.
1707	27	1	34	34	Poor	+	-	Spontaneous	A	SB	2 days	2	-	Tr.	140/98	Surg. ind. A.R.M.
1720	20	2	32	32	Collapsed	+	-	Spontaneous	A	SB	22 hours	4½	-	+	-	A.R.M. in labour. R.P. clot ½ lb.
1791	34	3	40	40	Fair	+	-	Spontaneous	A	SB and SB	2 hours	3¾	-	Tr.	120/80	R.P. clot ½ lb.
1856	20	1	34	34	Good	+	-	Spontaneous	A	D	18 hours	3¼	-	Tr.	144/86	Surg. ind. A.R.M. R.P. clot ½ lb.
1886	36	7	40	40	Shocked	+	-	Spontaneous Breech	A	SB	12 hours	8¾	-	Tr.	80/60	Placenta prævia. Shoulder presentation. Int. version. Two blood transfusions. Breech. R.P. clot 1 lb.
1910	25	1	30	30	Fair	-	+	Forceps	A	SB	-	6¾	-	Tr.	152/106	Two blood transfusions. Breech. R.P. clot ¾ lb.
2042	35	6	38	38	Good	+	-	Spontaneous	A	SB	8 hours	6½	-	-	196/118	R.P. clot 1 lb.
2056	25	3	36	36	Poor	+	-	Spontaneous	A	SB	9 hours	5½	-	+	124/96	R.P. clot 10 ozs.
2057	43	12	39	39	Poor	+	-	Manual	A	SB	16 hours	9	-	+	108/72	Breech. R.P. clot 1 lb.
2114	28	7	38	38	Collapsed	-	+	Spontaneous	A	SB	-	6	-	-	152/105	Anæmia. Three blood transfusions. Surg. ind. A.R.M.
{ 2132	23	1	37	37	Good	-	-	-	A	-	-	-	-	-	-	-
{ 2560	-	-	39	39	Good	+	-	Spontaneous	A	A	31 hours	5¼	-	-	130/80	R.P. clot 3 ozs.

Reg. No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Type.		Mode of Delivery	Result.		First Bleeding before Delivery.	Weight of Child	Typhoid or Sepsis	Percentage Albuminuria	Highest Blood Pressure	Remarks.
						Mixed.	Concealed.		M.	Ch.						
2225	31	4	32	32	Poor	-	+	Spontaneous	A	SB	-	3	-	100/60	R.P. clot 1 lb.	
2236	26	3	32	33	Good	-	-	-	A	-	-	6	-	-	Blood transfusion.	
2745	-	-	38	38	Good	-	-	Spontaneous	A	SB	-	6 $\frac{3}{4}$	-	110/50	R.P. clot 2 lbs.	
2245	24	1	40	40	Poor	-	-	Spontaneous	A	SB	-	3 $\frac{1}{4}$	-	110/100	R.P. clot.	
2248	23	1	30	30	Poor	-	-	Spontaneous	A	SB	-	6	P	132/88	Two transfusions.	
2271	28	3	32	32	Collapsed	-	-	Spontaneous	A	SB	-	6	-	120/70	A. R. M. in labour.	
2355	35	7	40	40	Poor	-	+	Spontaneous	A	SB	-	6 $\frac{3}{4}$	-	130/80	Phlegmasia.	
2379	32	7	30	30	Fair	-	-	Spontaneous	A	SB	-	5	-	-	R.P. clot 1 $\frac{1}{2}$ lbs.	
2401	23	1	39	39	Fair	-	-	Spontaneous	A	SB	-	7	-	160/90	R.P. clot 1 lb.	
2463	38	1	28	28	Fair	-	-	Spontaneous	A	SB	-	3	-	150/100	R.P. clot 12 ozs.	
2476	28	4	38	38	Collapsed	-	-	Spontaneous	A	SB	-	7 $\frac{1}{2}$	-	116/60	R.P. clot 2 lbs.	
2614	31	5	36	36	Poor	-	-	Spontaneous	A	SB	-	5 $\frac{1}{2}$	-	146/96	R.P. clot $\frac{1}{2}$ lb.	
2698	33	9	28	28	Collapsed	-	-	Spontaneous	A	SB	-	4	-	145/100	R.P. clot 1 lb.	
2709	27	1	34	34	Shocked	-	-	Spontaneous	A	SB	-	4	-	160/110	R.P. clot 1 $\frac{1}{2}$ lbs.	
2752	37	3	38	38	Poor	-	-	Spontaneous	A	SB	-	6 $\frac{1}{4}$	-	140/90	R.P. clot $\frac{1}{2}$ lb.	
2989	28	3	33	33	Fair	-	+	Spontaneous	A	A	-	5 $\frac{1}{2}$	-	120/70	Surg. ind. A. R. M.	
3033	20	1	32	32	Good	-	-	Spontaneous	A	D	-	-	P	-	R.P. clot 6 ozs.	
3038	32	7	39	39	Good	-	-	Spontaneous	A	SB	-	9 $\frac{1}{2}$	-	105/60	R.P. clot 14 ozs.	
3085	26	2	33	33	Good	-	-	Spontaneous	A	SB	-	5 $\frac{1}{2}$	-	110/70	R.P. clot 4 ozs.	
3099	35	2	33	33	Good	-	-	Spontaneous	A	SB	-	3 $\frac{1}{2}$	-	220/150	Surg. ind. A. R. M.	
3180	35	4	34	34	Poor	-	+	Spontaneous	A	SB	-	3 $\frac{1}{2}$	-	140/88	R.P. clot $\frac{3}{4}$ lb.	
3239	32	3	33	33	Poor	-	-	Spontaneous	A	SB	-	3 $\frac{1}{2}$	-	-	Two blood transfusions	
3286	21	1	40	40	Fair	-	-	Spontaneous	A	A	-	6 $\frac{1}{4}$	-	120/90	Sur. ind. A. R. M.	
						-	-	Spontaneous	A	A	-		-	140/80	R.P. clot 12 ozs.	
						-	-	Spontaneous	A	A	-		-	-	P.U.O.	
						-	-	Spontaneous	A	A	-		-	-	R.P. clot 10 ozs.	
						-	-	Spontaneous	A	A	-		-	-	Surg. ind. A.R.M.	

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Type.		Mode of Delivery	Result.		First Bleeding before Delivery.	Weight of Child	Pyrexia or Sepsis	Percentage Albuminuria	Highest Blood Pressure	Remarks.
						Mixed.	Concealed.		M.	Ch.						
3302	34	11	28	28	Poor	+	-	Spontaneous	A	SB	1 day	3½	-	-	-	R.P. clot 4 ozs. Blood transfusion.
3437	36	7	40	40	Shocked	+	-	Spontaneous	A	SB	1 day	6¼	+	145/100	-	R.P. clot 1¼ lbs.
3448	31	2	36	36	Good	+	-	Spontaneous	A	SB	2 days	6¼	+	230/160	-	R.P. clot ¼ lb.
3464	28	2	32	32	Good	+	-	Spontaneous	A	SB	1 day	5¼	-	120/80	-	Surg. ind. A. R. M.
3487	29	3	40	40	Fair	+	-	Spontaneous	A	SB	1 day	7½	+	120/40	-	R.P. clot ½ lb.
3493	17	1	35	35	Fair	+	-	Spontaneous	A	SB	1 day	4¼	Tr.	100/60	-	R.P. clot ¾ lb. Surg. ind. A. R. M.
3601	37	8	29	30	Good	+	-	Spontaneous	A	SB	1 week	2	P	100/60	-	R.P. clot ¾ lb. Blood transfusion.
3618	36	3	36	36	Shocked	+	-	Spontaneous	D	SB	1 day	6½	-	125/?	-	Anencephaly. R.P. clot 6 ozs. Pyrexia (respiratory).
3668	24	5	39	39	Poor	+	-	Spontaneous	A	SB	1 day	7	-	165/110	-	R.P. clot 2½ lbs. (See under deaths.)
3673	24	1	36	36	Poor	+	-	Spontaneous	A	SB	4 days	5½	P	170/110	-	Surg. ind. A. R. M. R.P. clot 12 ozs.
3797	32	9	30	30	Poor	+	-	Spontaneous	A	SB	1 day	4	P	110/65	-	Surg. ind. A. R. M. Ret. placenta. Manual removal. Phlegmasia.
3814	27	6	36	36	Poor	+	-	Spontaneous	A	SB	1 day	7	+	180/60	-	R.P. clot ¾ lb. Pyrexia (respiratory).
3888	21	2	35	35	Good	+	-	Spontaneous	A	SB	1 day	4¼	P	-	-	Surg. ind. A. R. M. Surg. ind. A. R. M.
4017	25	5	40	40	Fair	+	-	Spontaneous	A	SB	1 day	6	-	-	-	Breech delivery.
4021	31	1	32	32	Good	+	-	Spontaneous	A	SB	1 day	4¼	+	160/100	-	R.P. clot 6 ozs. Surg. ind. A. R. M.
4025	39	3	36	36	Poor	+	-	Spontaneous	A	SB	1 hour	4	+	140/90	-	R.P. clot 1 lb. Blood transfusion.

Reg. No.	Age.	Parity.	Maturity on Admission. wks	Maturity at Delivery. wks	Condition on Admission.	Type.		Mode of Delivery	Result.		First Bleeding before Delivery.	Weight of Child lbs	Pyrexia or Sepsis.	Percentage Albuminuria	Highest Blood Pressure	Remarks.
						Mixed.	Concealed.		M.	Ch.						
4032	31	4	31	31	Collapsed	+	-	Spontaneous	A	SB	42 hours	4	-	+	-	Blood transfusion. R.P. clot 2 ozs. Breech.
4062	41	1	32	32	Good	+	-	Spontaneous	A	SB	18 hours	2 $\frac{3}{4}$	-	-	130/70	Face. Anencephalic. R.P. clot 2 ozs.
4065	24	1	34	34	Poor	-	+	Spontaneous	A	SB	-	4	-	+	135/105	A.R.M. in labour. R.P. clot 1 $\frac{1}{2}$ lbs.
4094	22	2	38	38	Collapsed	-	+	Spontaneous	A	SB	21 hours	7	-	+	125/50	Surg. ind. A.R.M. R.P. clot 1 lb. 2 ozs. (See under deaths.)
4209	32	5	32	32	Poor	+	-	Spontaneous	D	SB	1 day	2 $\frac{1}{2}$	-	+	105/70	Transverse lie. Ext. version to vertex. Surg. ind. A.R.M.
4308	37	7	32	32	Poor	+	-	Spontaneous	A	SB	27 hours	2 $\frac{1}{2}$	-	+	130/80	Anencephaly. Surg. ind. A.R.M. Surg. ind. A.R.M. R.P. clot $\frac{1}{2}$ lb.
4375	31	4	37	37	Fair	+	-	Spontaneous	A	SB	6 hours	5 $\frac{1}{4}$	-	-	125/100	
4380	32	3	32	32	Fair	+	-	Spontaneous	A	SB	2 hours	3	-	+	100/72	
4390	33	9	30	30	Collapsed	+	-	Spontaneous	A	SB	12 hours	5	-	1	200/110	
4418	29	1	36	36	Good	+	-	Spontaneous	A	A	2 days	3 $\frac{3}{4}$	-	-	180/90	

APPARENT ACCIDENTAL HÆMORRHAGE.  
A.—Cases under Ante-natal Supervision at Hospital Clinic.

Reg. No.	Age.	Partly.	Maturity on Admission. wks	Maturity at Delivery. wks	Condition on Admission.	Mode of Delivery.	Result.		Weight of Child lbs.	Pyrexia or Zepsis	Albuminuria	Highest Blood Pressure	Remarks
							M.	Ch.					
{ 378	31	9	34	35	—	Spontaneous	A	—	—	—	—	130/80	Breech. Ext. version.
{ 733	—	—	37	37	Good	—	SB	7	—	—	—	140/90	
{ 420	28	1	29	30	Good	—	—	—	—	—	—	144/92	F.F.O.
{ 1492	—	—	40	40	Poor	Forceps	A	8½	—	—	—	120/70	A.R.M. in labour.
{ 661	32	10	32	32	Good	Spontaneous	D	3¾	—	—	—	—	
{ 713	23	2	36	36	Poor	Spontaneous	A	6¼	—	—	—	—	
{ 814	20	1	42	42	Good	Spontaneous	A	8¼	—	+	—	120/82	
{ 1005	26	1	31	31	Good	—	—	—	—	—	—	122/82	
{ 1859	—	—	40	40	—	Spontaneous	A	6¾	—	—	—	—	
{ 1179	33	4	39	40	Good	Spontaneous	A	8½	—	—	—	—	
{ 1190	30	1	40	40	Good	Spontaneous	SB	6¼	—	+	—	126/90	Surg. ind. A.R.M.
{ 1216	25	3	40	40	Good	Spontaneous	A	6¼	—	—	—	112/82	
{ 1227	33	2	30	32	Good	—	A	6¾	—	+	—	140/98	Hyp. toxæmia. Both vertex.
{ 1484	—	—	32	32	Good	Spontaneous	A	4½	—	+	—	145/97	
{ 1235	35	6	40	40	Good	Spontaneous	A	and 3½	—	Tr.	—	166/94	Surg. ind. A.R.M.
{ 1290	38	7	37	37	Good	Spontaneous	A	7¾	—	—	—	120/80	
{ 1421	27	1	32	33	Good	Undelivered	A	5½	—	—	—	118/86	
{ 1511	23	2	37	37	Good	—	—	—	—	—	—	—	
{ 1604	—	—	38	38	Good	Spontaneous	A	8	—	—	—	120/80	Breech. Ext. version. Surg. ind. A.R.M.
{ 1629	32	6	31	35	Good	—	A	—	—	—	—	—	
{ 2122	—	—	38	38	Good	Spontaneous	A	6¾	—	—	—	120/80	
{ 1706	21	1	35	35	Good	Spontaneous	A	4¾	—	Tr.	—	125/75	
{ 1753	21	1	35	35	Good	Spontaneous	D	5¾	—	Tr.	—	112/70	
{ 1816	36	7	36	40	Good	Spontaneous	A	8½	—	—	—	115/80	
{ 1854	36	5	39	39	Good	Spontaneous	A	8¼	—	Tr.	—	144/90	A.R.M. in labour.

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Mode of Delivery.	Result.		Weight of Child lbs.	Pyrexia or Depsits	Albuminuria	Highest Blood Pressure	Remarks
							M.	Ch.					
1942	29	1	33	33	—	—	A	—	—	—	—	—	L.O.P. Manual rotation.
2576	—	—	40	40	Good	Forceps	A	—	7 weeks	—	—	150/100	
1974	24	1	36	36	Good	Spontaneous	A	A	30 hours	—	—	132/82	
1988	28	1	41	41	Fair	Spontaneous	A	A	24 hours	—	—	130/90	A.R.M. in labour.
2146	35	5	32	32	Poor	Spontaneous	A	SB	5 hours	—	—	110/65	
2159	25	4	37	37	Good	Undelivered	A	—	—	—	Tr.	120/75	
2176	33	2	36	36	Good	Spontaneous	A	A	21 hours	—	—	—	Breech.
2229	31	6	34	34	Good	Spontaneous	A	SB	5 hours	—	—	130/90	
2268	26	1	32	32	Good	—	A	—	—	—	—	—	
3053	—	—	40	40	Good	Spontaneous	A	A	8 weeks	—	—	136/80	Surg. ind. A.R.M.
2270	26	1	37	40	Good	Spontaneous	A	A	3 weeks	—	Tr.	154/90	
2449	22	1	39	39	Good	Spontaneous	A	A	2 days	—	—	144/90	A.R.M. in labour.
2501	25	1	37	37	Good	—	A	—	—	—	—	—	
2562	—	—	38	39	Good	Spontaneous	A	A	2 weeks	—	—	140/90	Shoulder presentation. Int.
2595	27	8	34	34	Good	Spontaneous	A	D	3 days	—	—	—	version to breech.
2667	31	2	40	40	Good	Spontaneous	A	A	1 day	—	—	144/86	
2753	37	6	37	37	Good	Spontaneous	A	A	2 hours	—	—	120/80	Surg. ind. A.R.M.
2885	30	2	36	36	Good	Spontaneous	A	A	1 day	—	—	130/80	Surg. ind. A.R.M.
3024	35	2	39	39	Good	Forceps	A	A	1 day	—	Tr.	130/80	Second-stage delay.
3165	30	2	40	40	Good	Spontaneous	A	SB	1 day	—	—	120/70	Surg. ind. A.R.M.
3272	25	2	39	40	Good	Spontaneous	A	A	4 days	—	Tr.	140/70	
3323	31	2	34	36	—	—	A	—	—	—	—	—	Anencephalic.
3526	—	—	36	36	Good	Spontaneous	A	SB	4 weeks	—	—	120/70	Cardiac. Mitral stenosis.
3334	22	1	40	40	Good	Spontaneous	A	A	12 weeks	—	—	140/60	
3504	32	6	41	41	Good	Spontaneous	A	A	1 day	—	—	100/60	A.R.M. in labour.
3727	43	6	40	40	Fair	Spontaneous	A	A	4 days	—	+	135/60	A.R.M. in labour.
3860	30	1	40	40	Good	Spontaneous	A	A	3 days	—	—	135/90	
3949	37	12	40	40	Poor	Spontaneous	A	A	1 day	—	—	—	Surg. ind. A.R.M. Pleurisy.
4171	26	5	37	38	Good	Spontaneous	A	A	4 hours	—	—	100/70	C.P. D.C. 4½ ins.
4200	23	1	38	38	Good	Forceps	A	A	1 day	—	—	105/60	Surg. ind. A.R.M. Second-stage delay.



Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Mode of Delivery.	Result.		First Bleeding before Delivery.	Weight of Child	Pyrexia or Depsis	Albuminuria	Highest Blood Pressure	Remarks
							M.	Ch.						
1386	29	1	37	42	Good	Spontaneous	A	A	5 weeks	6½	—	160/105	Breech. Ext. version.	
1413	42	9	39	41	Good	Spontaneous	A	A	33 days	7½	+	156/108	R.O.P. Face to pubis.	
1437	28	1	31	34	Good	Spontaneous	A	A	40 days	5	—	140/90		
1486	27	6	28	28	Fair	Spontaneous	A	SB	3 days	2	—	168/110	A.R.M. in labour.	
1572	29	7	40	40	Good	Spontaneous	A	A	12 hours	6¾	—	128/80	A.R.M. in labour.	
1575	36	8	38	38	Collapsed	Manual	A	SB	3 days	6¾	—	124/82	Two blood transfusions. Breech.	
{ 1578	17	1	35	36	Good	—	A	—	—	—	—	140/75		
{ 2465	—	—	43	43	—	Spontaneous	A	A	8 weeks	8½	—	—		
{ 1581	23	1	37	42	Good	Forceps	A	A	5 weeks	5¾	—	130/80	Second-stage delay.	
{ 1588	33	2	28	28	Good	—	A	—	—	—	—	?		
{ 2176	—	—	36	36	—	Spontaneous	A	A	7 weeks	8½	—	—		
1608	31	10	30	31	Good	Spontaneous	A	D	1 week	2¾	+	120/74		
1709	19	1	29	30	Good	Spontaneous	A	D	5 days	3¼	+	130/86		
1778	31	3	37	39	Good	Spontaneous	A	D	2 weeks	4½	—	135/85		
1831	23	1	30	30	Good	Spontaneous	A	D	2 days	3¼	—	135/85		
1944	41	6	35	35	Good	Spontaneous	A	A	2 days	6¼	+	122/80		
{ 1956	27	3	31	31	Good	—	A	—	—	—	—	125/70		
{ 2004	—	—	31	31	—	Spontaneous	A	A	4 days	4½	—	—		
1965	33	8	28	28	Good	Spontaneous	A	SB	12 hours	2½	+	110/85	A.R.M. in labour.	
2026	20	1	32	34	Good	Undelivered	A	—	—	—	+	110/65		
2046	29	4	39	39	Good	Spontaneous	A	A	1 day	6¾	—	140/90		
2096	27	4	29	30	Good	Undelivered	A	—	—	—	—	120/70		
2206	35	5	36	36	Good	Spontaneous	A	A	5 weeks	5	—	100/72	Surg. ind. A.R.M. Mental upset in puerperium.	
2286	33	6	37	41	Good	Spontaneous	A	A	1 week	6½	—	160/100		
2298	23	3	33	34	Good	Undelivered	A	—	—	—	—	135/88		
2338	30	7	40	40	Good	Spontaneous	A	A	2 days	9½	—	120/74		
2460	26	1	28	29	Good	Spontaneous	A	SB	30 days	2½	+	130/80	Prolapsed cord. Threatened abortion.	
{ 2478	25	6	27	32	—	—	A	—	—	—	—	—	Surg. ind. A.R.M.	
{ 2946	—	—	32	32	Good	Spontaneous	A	D	5 weeks	?	—	110/68		

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Mode of Delivery.	Result.		First Bleeding before Delivery.	Weight of Child lbs.	Pyrexia or Gepsis.	Albuminuria.	Highest Blood Pressure.	Remarks.
							M.	Ch.						
2507	29	3	40	40	Good	Spontaneous	A	SB	12 hours	4½	—	152/100		
2533	37	4	28	29	Good	Undelivered	A	—	—	—	—	125/75		
2578	31	3	32	32	Good	Spontaneous	A	A	16 hours	4¾	—	120/74	A.R.M. in labour.	
2636	29	1	40	40	Good	Forceps	A	A	1 day	7½	—	135/70	Surg. ind. A.R.M. Second-stage delay.	
2717	30	8	40	40	Good	Spontaneous	A	A	1 day	8½	—	110/70	A.R.M. in labour.	
2732	39	7	29	30	Shocked	—	A	—	—	—	—	130/90		
3408	—	—	40	40	—	Perforation and traction	A	SB	11 weeks	9	—	—	C.P. (D.C. 3¾ + ins.). Face presentation.	
2755	19	1	40	40	Good	Spontaneous	A	A	1 day	6½	—	170/90	A.R.M. in labour.	
2792	33	7	36	37	Good	Undelivered	A	—	—	—	—	110/70	Transverse lie. Ext. version to breech.	
2847	24	2	33	33	Good	Spontaneous	A	SB	1 week	4	—	115/60	Prolapsed cord.	
2863	24	1	40	40	Good	Spontaneous	A	A	12 hours	8½	—	—		
2969	27	3	40	40	Fair	Spontaneous	A	A	10 hours	8¼	—	140/80	Irregular dismissal.	
3011	29	5	40	40	Good	Spontaneous	A	A	10 hours	8	—	128/70		
3021	38	10	40	40	Good	Spontaneous	A	A	1 day	6½	—	120/60	Breech.	
3112	36	8	40	40	Good	Spontaneous	A	A	4 hours	7	—	120/82		
3193	29	5	36	36	Good	Undelivered	A	—	—	—	—	132/72		
3236	24	2	37	37	Fair	Spontaneous	A	SB	5 days	7	—	62/30		
3275	19	1	40	40	Good	Spontaneous	A	D	30 hours	5½	—	130/75	A.R.M. in labour.	
3287	31	1	38	40	Fair	—	A	—	—	—	—	138/75		
3491	—	—	41	42	—	Spontaneous	A	A	4 weeks	7	—	—		
3438	27	2	40	40	Good	Spontaneous	A	A	4 days	7¼	—	136/90		
3501	25	2	37	37	Good	Spontaneous	A	D	2 days	5¼	—	120/80	Surg. ind. A.R.M.	
3551	34	6	34	34	Good	Spontaneous	A	A	12 hours	3¾	—	155/90	Surg. ind. A.R.M. Breech.	
3606	20	1	36	36	Fair	Spontaneous	A	A	2 days	5½	—	130/90	A.R.M. in labour.	
3647	22	3	35	35	Good	Spontaneous	A	A	6 days	3¼	—	118/80		
3700	19	1	30	31	Good	Undelivered	A	D	—	—	—	120/80		
3748	44	13	32	32	Collapsed	Spontaneous	A	SB	5 hours	3¾	—	80/40	Breech. A.R.M. in labour. Foot pulled down. Blood transfusion.	

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Condition on Admission.	Mode of Delivery.	Result.		Weight of Child lbs.	Pyrexia or Sepsis	Albuminuria.	Highest Blood Pressure	Remarks
							M.	Ch.					
3755	26	6	40	40	Good	Spontaneous	A	A	6	—	—	130/90	A.R.M. in labour.
3778	33	1	30	30	Good	Spontaneous	A	D	3½	—	—	140/80	A.R.M. in labour.
3846	38	13	40	40	Good	Spontaneous	A	A	6	—	—	150/100	
3907	18	1	28	28	Good	Spontaneous	A	SB	2	—	—	115/70	Shoulder presentation. Corpore conduplicato.
3921	27	1	28	31	Good	Undelivered	A	—	—	—	—	120/65	
3924	36	3	40	40	Good	Spontaneous	A	A	7½	—	—	110/80	A.R.M. in labour.
3948	29	2	40	40	Good	Spontaneous	A	A	5½	—	—	130/90	Surg. ind. A.R.M.
3971	35	1	31	32	Good	Spontaneous	A	D	2½	—	—	140/95	
3983	23	1	35	35	Fair	Spontaneous	A	SB	3	—	Tr.	140/80	Anencephaly.
4031	28	4	36	36	Fair	Spontaneous	A	A	6½	—	+	120/80	
4060	24	1	40	40	Good	Spontaneous	A	A	5¾	—	+	130/80	
4061	31	2	36	36	Good	Spontaneous	A	D	4¾	—	—	130/80	
4072	24	3	33	33	Fair	Spontaneous	A	SB	5	—	—	120/85	A.R.M. in labour. Shoulder. Corpore conduplicato.
4123	19	2	34	35	Fair	Undelivered	A	—	—	—	—	120/80	
4137	33	6	32	32	Fair	Undelivered	A	—	—	—	—	115/70	
4141	23	2	38	38	Good	Spontaneous	A	A	6¾	—	—	120/80	Surg. ind. A.R.M.
4145	36	8	40	40	Fair	Spontaneous	A	A	6¼	—	+	150/90	Surg. ind. A.R.M. Blood transfusion.
4155	27	2	40	40	Good	Spontaneous	A	A	6	—	—	115/70	Surg. ind. A.R.M.
4179	29	4	36	36	Good	Undelivered	A	—	—	—	—	112/70	Surg. ind. A.R.M.
4187	35	4	24	30	Good	Spontaneous	A	A	3¼	—	—	120/80	Ret. placenta. Manual removal.
4227	24	3	39	39	Good	Spontaneous	A	A	6¾	—	—	120/80	A.R.M. in labour.
4251	30	4	40	40	Good	Spontaneous	A	A	5¼	—	Tr.	110/80	Surg. ind. A.R.M.
4253	27	7	30	32	Good	Spontaneous	A	D	?	—	Tr.	135/90	Breech.
4267	24	2	28	28	Good	Undelivered	A	—	—	—	—	—	
4420	35	3	40	40	Good	Spontaneous	A	A	8½	—	+	100/70	Surg. ind. A.R.M.
4439	26	1	41	42	Good	Forceps	A	A	7¾	—	+	125/70	
4486	30	6	36	36	Good	Spontaneous	A	SB	6	—	—	—	

## TOXÆMIA OF PREGNANCY.

During the year 1939 there were 770 cases of toxæmia of pregnancy. These cases have been divided into groups, viz. :—(1) Hypertensive toxæmia (excluding eclampsia and accidental hæmorrhage); (2) Eclampsia; (3) Hyperemesis; (4) Late vomiting.

There were thus 625 cases in group (1); 38 in group (2); 80 in group (3); and 27 in group (4).

Of the 1,854 cases which had been under ante-natal supervision at the hospital clinic there were 334 toxæmic cases :—316 in group (1); 4 in group (2); 5 in group (3); and 10 in group (4).

Of the 2,648 other cases 435 were toxæmic :—309 in group (1); 34 in group (2); 75 in group (3); and 17 in group (4).

There were 13 maternal deaths in a total of 770 toxæmic cases.

The incidence in the groups is shown in the following table :—

*Table showing the Maternal Deaths occurring in the cases of Toxæmia in each of the two Categories, A and B.*

Type of Toxæmia.	Category A.	Category B.	Total Deaths.
1. Hypertensive toxæmia: Primis. - -	2	4	6
Hypertensive toxæmia: Multips. -	1	1	2
2. Eclampsia - - - - -	—	5	5
3. Hyperemesis gravidarum - - -	—	—	—
4. Late vomiting - - - - -	—	—	—
Totals - - - - -	3	10	13

### 1.—HYPERTENSIVE TOXÆMIA (EXCLUDING ECLAMPSIA AND ACCIDENTAL HÆMORRHAGE).

There were 625 cases in this group, of which 309 were primiparæ and 316 were multiparæ; 316 cases were in Category A and 309 in Category B; 559 infants were born alive and 33 died. There were 75 stillbirths. Twins were noted in 29 cases. There were 8 maternal deaths; 3 in Category A and 5 in Category B. One case died undelivered under anæsthesia. There were three cases of obstetric shock, one following breech delivery and one following manual removal of placenta. One case died from acute pulmonary œdema following manual delivery of breech. One case died of pneumonia following manual delivery of twins. One case died under anæsthesia during forceps delivery, and one case died of acute sepsis following perforation and traction.

#### A.—Cases under Ante-natal Supervision at Hospital Clinic.

Under Symptoms the word EYE refers to Visual Disturbance and ABDOMEN to Epigastric Pain.

Reg No.	Age.	Parity.	Maturity on Admission. wks	Maturity at Delivery.* wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Esbach. Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
28	43	8	40	40	Spontaneous	A	A	-	+	-	-	180/110	1	-	7½	
38	30	2	37	40	Spontaneous	A	A	+	+	-	-	150/110	Tr.	-	8¼	
40	24	1	35	35	Spontaneous	A	A	+	-	-	-	150/100	-	-	6	
52	29	1	39	41	Forceps	A	A	+	-	-	-	150/90	-	-	6	Second-stage delay.
72	25	1	37	40	Spontaneous	A	A	28	-	-	-	160/110	-	-	6¾	
73	29	2	38	40	Spontaneous	A	SB	+	-	-	-	150/110	-	-	6¼	Anencephaly.
115	20	1	32	36	Spontaneous	A	SB	-	-	-	-	162/118	10	-	4½	Surg. ind. A.R.M.
144	31	2	22	24	Undelivered	A	-	-	-	-	-	-	-	-	-	Thr. abortion.
902	-	-	31	33	-	A	-	-	+	-	-	150/90	-	-	-	
1520	-	-	39	39	Spontaneous	A	A	+	7	1	-	140/95	-	-	6½	

\* When case is dismissed undelivered maturity refers to that on dismissal.

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Esbach.	Pyrexia or Sepsis.	Weight of Child	Remarks
						Alive or Died.	Child.	Oedema.	Headache.	Eye.	Abdomen					
{ 157 1172 158	31	4	25	31	—	A	—	—	—	—	178/108	—	—	—	—	Surg. ind. A.R.M.
	—	—	36	39	Spontaneous	A	A	—	—	—	192/102	—	—	—	5½	Mitral stenosis. Surg. ind.
	29	1	34	38	Spontaneous	A	D	+	—	—	190/90	4	—	—	4¼	A.R.M.
160 164 165 169	40	1	29	33	Undelivered	A	—	21	+	—	176/110	1½	—	—	—	Mild pyelitis.
	31	3	37	40	Spontaneous	A	A	—	—	—	178/112	—	—	—	7¼	Surg. ind. A.R.M.
	38	2	28	30	Undelivered	A	—	—	—	—	168/98	Tr.	—	—	8¼	
	40	2	38	40	Spontaneous	A	A	+	+	+	160/110	—	—	—	—	
172	42	5	36	39	Spontaneous	A	A	28	—	—	210/120	5	—	—	7½	Surg. ind. A.R.M.
190	34	3	41	42	Spontaneous	A	A	14	+	—	162/110	Tr.	P	—	7¼	Med. ind. P.U.O.
{ 194 448 230	25	4	33	35	Undelivered	A	—	7	—	—	158/105	1½	—	—	—	
	—	—	36	36	Spontaneous	A	SB	+	—	—	136/80	—	—	—	3½	Mixed acc.hæm. Anencephalic.
	31	1	39	42	Manual and forceps	A	SB and SB	—	—	—	160/100	—	—	—	5¼ and 4¾	Breech, manual and vertex. Forceps.
249	27	4	38	39	Spontaneous	A	A	+	—	—	152/108	Tr.	—	—	7½	Surg. ind. A.R.M.
250	30	5	41	41	Spontaneous	A	A	14	+	—	146/98	—	—	—	6	Surg. ind. A.R.M.
{ 252 454	39	1	33	35	Undelivered	A	—	30	7	—	162/96	—	—	—	—	
	—	—	36	36	Manual	D	D	—	—	—	155/100	Tr.	—	—	6½	Breech, manual. Acute pulmonary œdema. (See under deaths.)
316	28	2	35	38	Spontaneous	A	A and A	+	+	—	160/100	6	—	—	7¼ and 5¼	Twins.
{ 334 528	24	1	29	31	Undelivered	A	—	—	—	—	172/116	—	—	—	—	
	—	—	33	33	Spontaneous	A	SB	—	—	—	146/96	—	—	—	3¼	I.U.D.

Reg. No.	Age.	Party.	Maturity on Admission. wks	Maturity at Delivery. wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Ksbach. Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
{ 350	32	1	35	36	Undelivered	A	—	+ 7	—	—	—	—	—	—	—	
{ 796	—	—	40	40	Spontaneous	A	A	—	—	—	—	—	—	—	7½	
392	24	2	38	39	Spontaneous	A	A	60	—	+	—	—	3	—	8	Surg. ind. A.R.M.
{ 393	29	3	31	32	Undelivered	A	—	+ 7	+ 3	—	—	—	—	—	—	
{ 797	—	—	36	36	Spontaneous	A	A	+	—	—	—	—	12	P	4½	P.U.O. Anæmia. Blood transfusion.
399	26	1	36	36	Forceps	A	A	+ 7	—	—	—	—	3	—	6½	R.O.P. Manual rotation.
407	29	1	36	36	Spontaneous	A	A	+ 30	—	—	—	—	12	—	6½	Surg. ind. Bougies.
{ 414	38	2	37	39	Undelivered	A	—	—	—	—	—	—	Tr.	—	—	
{ 855	—	—	41	41	Spontaneous	A	A	—	—	—	—	—	—	—	6¾	
426	44	9	40	40	Forceps	A	A	+ 30	+	—	—	—	Tr.	—	6¾	Surg. ind. A.R.M. R.O.P. Manual rotation.
438	22	1	34	38	Spontaneous	A	A	—	—	—	—	—	—	—	6¼	
439	18	1	40	40	Spontaneous	A	A	+ 7	+ 7	+ 3	—	P	Tr.	—	6¼	Surg. ind. A.R.M. Slight C.P. P.U.O.
465	25	1	38	38	Spontaneous	A	A	+	+	+	—	—	2½	—	6¾	
481	21	1	40	40	Forceps	A	A	+	+	+	—	—	½	—	8½	L.O.P. Manual rotation.
489	22	2	36	36	Spontaneous	A	A	+ 14	—	—	—	—	—	—	7¾	Hydramnios.
499	23	2	40	43	Spontaneous	A	A	+ 4	+ 3	—	—	—	—	—	7¼	
501	36	1	40	42	Forceps	A	SB	—	—	—	—	—	Tr.	—	6¼	C.P. D.C. 4¼ ins.
505	20	1	25	27	Undelivered	A	—	—	—	—	—	—	Tr.	—	—	
{ 1655	—	—	39	39	Spontaneous	A	A	+ 7	—	—	—	—	—	—	7½	Puerperal insanity.

Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Ksbaeh Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
507	47	11	37	40	Spontaneous	A	A	-	-	-	-	184/110	Tr.	-	6	Surg. ind. A.R.M.
555	28	2	38	40	Spontaneous	A	A	+	+	-	-	160/100	Tr.	-	6	
560	34	4	40	43	Forceps	A	A	-	7	-	-	142/100	-	-	6½	Two previous sections. Surg. ind. A.R.M. Second-stage delay.
{ 584 849 611	30	2	40	40	Undelivered	A	-	-	-	-	-	170/100	-	-	-	
	-	-	43	43	Spontaneous	A	A	-	-	-	-	165/100	-	-	6	
	30	2	36	43	Forceps	A	SB	+	-	-	-	162/106	¾	P	9	Surg. ind. A.R.M. Prol. cord. P.U.O.
{ 625 940	33	3	36	38	Undelivered	A	-	+	-	-	-	160/100	-	-	-	
	-	-	40	40	Spontaneous	A	A	21	-	-	-	135/90	-	P	7½	Pyrexia (respiratory). C.P. D.C. 3¾ ins.
704	34	1	35	36	Cæs. section	A	A	+	+	-	-	156/98	-	-	7	
650	32	7	31	32	Undelivered	A	-	-	-	-	-	150/100	-	-	-	
664	21	2	39	40	Spontaneous	A	A	-	+	-	-	160/68	Tr.	-	9	Med. ind.
668	37	10	36	38	Spontaneous	A	A	+	+	-	-	218/136	2	-	7¾	
678	27	2	38	40	Spontaneous	A	A	-	-	-	-	192/116	Tr.	-	7	Surg. ind. A.R.M.
696	23	1	34	35	Spontaneous	A	A	-	+	-	-	140/100	Tr.	-	5¾	
744	25	2	38	40	Spontaneous	A	A	+	+	-	-	150/104	Tr.	-	6¾	Surg. ind. A.R.M.
756	21	1	37	42	Spontaneous	A	A	7	3	+	-	155/86	-	-	5½	Surg. ind. A.R.M.
{ 757 1689	26	2	30	31	Undelivered	A	-	-	-	28	-	146/92	-	-	-	
	-	-	40	40	Cæs. section	A	A	-	+	-	-	124/80	-	-	9¾	C.P. D.C. 4¼ ins.
781	25	1	40	40	Spontaneous	A	A	-	-	-	-	180/110	-	-	6¾	Twins. (1) L.O.P., forceps;
794	24	1	37	40	Forceps and spontaneous	A	SB and SB	+	+	1	-	154/104	Tr.	-	6¾ and 5	(2) Int. version to breech, spontaneous Surg. ind. A.R.M. C.P. D.C. 4 ins.
800	18	1	39	40	Spontaneous	A	SB	+	2	-	-	142/104	Tr.	-	6¾	

Reg. No.	Age.	Partly.	Maturity on Admission. wks	Maturity at Delivery.* wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Parts per 1,000 Esbach.	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
801	28	1	36	37	Spontaneous	A	A	+	+	-	160/114	4	-	5		
811	23	1	40	40	Spontaneous	A	D	7	-	-	152/102	-	-	6½	Surg. ind. A.R.M.	
{ 821	40	11	36	37	Undelivered	A	-	+	+	-	160/105	-	-	-		
{ 1185	-	-	40	40	Spontaneous	A	A	28	-	-	160/115	-	-	8¼	R.O.P. Face to pubis.	
{ 852	22	1	37	39	Spontaneous	A	SB	-	-	-	134/94	-	-	8½	Surg. ind. A.R.M.	
853	27	1	38	42	Manual and manual	A	A and A	4	+	-	140/108	2	-	-	Surg. ind. A.R.M. Twins. (1) Breech; (2) Vertex. Int. version to breech. Obstetric shock. Blood transfusion.	
857	21	1	36	40	Spontaneous	A	A	+	-	-	160/106	-	-	6½		
{ 876	36	11	30	36	Undelivered	A	-	+	+	-	150/88	2	-	-		
{ 1768	-	-	38	38	Manual	A	SB	7	4	-	130/90	-	-	5¼	Shoulder. Int. version. Manual breech.	
{ 909	38	2	32	32	Undelivered	A	-	-	-	-	130/88	-	-	-		
{ 1424	-	-	37	40	Spontaneous	A	A	+	+	+	156/100	-	-	7¾	Surg. ind. A.R.M. Twins.	
{ 912	21	3	36	37	Undelivered	A	-	+	+	+	152/82	-	-	-		
{ 1098	-	-	38	38	Spontaneous	A	A and A	28	7	-	150/84	-	-	6¼ and 6	Both vertex.	
949	32	1	36	40	Forceps	A	A	+	-	-	142/94	Tr.	-	8	Second-stage delay.	
956	40	1	39	39	Spontaneous	A	SB	-	+	-	172/114	4	-	-	Surg. ind. A.R.M. Macerated foetus. C.P. D.C. 4¼ ins.	
976	23	1	40	40	Spontaneous	A	A	+	+	+	155/80	-	-	6¾		

Reg No.	Age.	Party.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
997	24	1	41	41	Forceps	A	A	+	+	-	-	152/106	Tr.	-	8	R.O.P. Manual rotation. Surg. ind. A.R.M.
1016	38	1	40	40	Perf. and traction	A	SB	-	7	-	-	176/110	-	-	8½	C.P. D.C. 4¼ ins. Uterine inertia. I.U.D. P.P.H. Manual removal of placenta.
1055	30	1	36	40	Spontaneous	A	A	-	-	-	-	152/94	Tr.	-	7	Second-stage delay.
1093	28	2	37	39	Spontaneous	A	SB	-	-	-	-	180/100	Tr.	-	4¼	Breech. Spontaneous version.
1105	19	1	39	41	Forceps	A	A	+	-	-	-	145/106	-	-	8¾	Second-stage delay.
{ 1132	34	1	34	35	Undelivered	A	-	-	-	-	-	140/90	-	-	-	Breech. Previous section.
{ 1524	-	-	38	40	Forceps	A	A	+	+	-	-	150/90	Tr.	-	6¼	Ext. version.
{ 1152	36	4	37	40	Spontaneous	A	A	7	-	-	-	160/110	-	-	6¼	Diphtheria contact.
{ 1174	38	4	33	33	Undelivered	A	-	-	-	-	-	155/105	-	-	-	P.U.O. Anæmia. Blood transfusion.
{ 1407	-	-	35	36	-	A	-	+	-	-	-	145/95	-	-	-	Surg. ind. A.R.M.
{ 1727	-	-	38	39	Spontaneous	A	-	+	-	-	-	130/80	-	P	9¼	Surg. ind. A.R.M.
1178	40	1	38	40	Spontaneous	A	A	-	5	+	-	202/130	Tr.	-	4¾	Surg. ind. A.R.M.
1196	22	1	38	39	Spontaneous	A	A	+	-	-	-	162/116	½	-	6½	Surg. ind. A.R.M.
1208	30	1	40	40	Manual and manual	A	A	+	14	-	-	150/100	-	-	6¼	Twins. Breech and breech.
{ 1232	25	1	36	38	Undelivered	A	and D	+	7	-	-	144/90	Tr.	-	and 6¼	
{ 1652	-	-	40	40	Spontaneous	A	A	+	28	+	-	140/94	Tr.	-	8¼	Med. ind.
{ 1250	31	1	40	40	Forceps	A	A	+	-	-	-	160/100	-	-	8¾	Second-stage delay.
{ 1260	34	2	37	40	Spontaneous	A	A	-	-	-	-	160/110	-	-	6¼	
{ 1262	21	2	39	40	Spontaneous	A	A	+	+	-	-	150/100	-	-	6¼	
{ 1280	35	4	37	40	Spontaneous	A	A	+	28	+	-	166/110	Tr.	-	7½	

Reg. No.	Age	Parity.	Maturity on Admission, wks	Maturity at Delivery, wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Esbach. Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
1281	21	1	39	40	Spontaneous	A	A	+ 14	+	-	-	134/94	Tr.	-	6½	
{ 1294	20	1	36	36	Undelivered	A	-	+	-	-	-	160/105	-	-	-	
{ 1454	-	-	38	40	Spontaneous	A	A	-	-	-	-	170/120	4	-	7½	
{ 1300	32	1	40	40	Forceps	A	A	+ 60	+	+	+	136/88	Tr.	-	-	Second-stage delay.
1316	25	1	40	40	Spontaneous	A	A	-	-	-	-	160/95	-	-	8	
1329	19	1	40	40	Forceps	A	A	+ 7	+	-	-	156/100	-	-	8¼	Second-stage delay.
1341	30	1	39	39	Spontaneous	A	A	+ 7	+	+	+	160/110	3	-	5¼	Surg. ind. A.R.M.
1342	25	1	39	39	Forceps	A	A	-	-	-	-	160/104	½	-	8½	R.O.P. Manual rotation.
1350	36	1	38	40	Spontaneous	A	A	+ 7	-	-	-	180/92	-	-	7¼	
1352	25	1	36	38	Spontaneous	A	A	+ 14	+	+	+	180/100	3	-	5½	Surg. ind. Bougies.
1366	22	1	38	38	Forceps	A	A	-	-	-	-	150/95	-	-	7¼	Second-stage delay.
1367	23	1	40	41	Spontaneous	A	A	+ 7	-	-	-	150/110	3½	-	8¼	
1369	35	2	39	39	Spontaneous	A	A	+ 7	-	-	-	170/100	Tr.	-	6½	
1374	23	1	30	30	Spontaneous	A	SB and D	+ 14	-	-	-	150/90	Tr.	P	-	Twins (1) Monster; (2) Vertex. Pyrexia (urinary).
1375	31	8	36	39	Spontaneous	A	A	+ 14	+	+	+	160/100	-	-	7¼	Surg. ind. A.R.M.
1376	18	1	?32	?32	Spontaneous	A	A	+ 4	-	-	-	156/90	4	-	7	
{ 1408	34	1	34	36	Undelivered	A	-	+ 4	-	-	-	145/95	-	-	-	Asthma.
{ 1681	-	-	38	38	Spontaneous	A	A	-	-	-	-	140/95	-	-	6¼	
{ 1451	40	1	40	41	Cæs. section	A	A	-	-	-	-	185/125	Tr.	-	7¼	C.P. D.C. 4¼ ins.
{ 1464	22	1	40	40	Spontaneous	A	A	+ 7	-	-	-	170/100	-	P	9¼	Mastitis.

Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Ksach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks	
						Alive or Died.	Child. Alive, Still-born	Oedema.	Headache.	Eye.	Abdomen						
1470	37	6	36	40	Spontaneous	A	A	+	-	-	-	150/80	-	-	5½	Anæmia. Surg. ind. A.R.M.	
1540	28	2	40	40	Spontaneous	A	A	-	-	-	-	140/98	-	-	7½	C.P. D.C. 4½ ins.	
1552	27	3	39	40	Spontaneous	A	A	+	-	-	-	170/120	-	-	6		
1555	24	1	30	33	Undelivered	A	-	+	+	-	-	150/104	Tr.	-	-		
2118	-	-	39	39	Spontaneous	A	A	+	-	-	-	140/95	-	P	6½	C.P. D.C. 4½ ins. Mastitis.	
	1558	20	1	40	Spontaneous	A	A	+	+	-	-	150/110	-	-	5¼	Surg. ind. A.R.M.	
1617	23	1	39	39	Spontaneous	A	A	+	+	-	-	156/110	-	-	6	Surg. ind. A.R.M.	
1620	26	2	40	40	Spontaneous	A	A	+	7	-	-	154/92	-	-	7½		
1622	24	3	40	41	Spontaneous	A	A	+	4	-	-	144/100	-	-	7¼	Surg. ind. A.R.M.	
1635	38	4	38	38	Spontaneous	A	A	+	+	+	5	180/100	-	-	6¾		
1654	26	2	27	29	Undelivered	A	-	-	-	-	-	156/80	Tr.	-	-	8	Mitral incompetence. Surg. ind. A.R.M.
					Spontaneous	A	A	-	-	-	130/75	-	-	-	-		
					Spontaneous	A	A	-	-	-	168/104	-	-	-	-		
1663	32	2	41	41	Spontaneous	A	A	+	+	-	-	160/100	Tr.	-	7½	Surg. ind. A.R.M.	
1697	36	2	38	40	Spontaneous	A	A	+	+	-	-	155/95	Tr.	-	7½		
1698	35	9	38	38	Spontaneous	A	A	+	+	+	-	150/102	Tr.	-	7	Surg. ind. A.R.M.	
1700	24	1	39	40	Spontaneous	A	A	+	+	-	-	150/88	Tr.	-	6½		
1701	27	1	35	36	Undelivered	A	-	+	-	-	-	190/110	Tr.	-	-	8¾	Breech. Ext. version. Surg. ind. A.R.M. R.O.P. Manual rotation.
					Forceps	A	SB	+	-	-	188/110	2½	-	-			
2130	-	-	40	42	-	A	-	+	+	-	-	-	-	-	-	-	

Reg No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
1713 2998 1717	44	16	23	26	Undelivered	A	-	-	-	-	132/84	-	-	-	-	Asthma. Bronchitis.
	-	-	37	39	Spontaneous	A	A	-	-	-	160/110	Tr.	-	-	6½	Twins. Breech and shoulder.
	28	1	33	38	Spontaneous	A	A and A	90	-	-	170/110	½	-	-	6½ and 7½	Ext. version to breech.
1733	24	1	38	40	Spontaneous	A	A	+	-	-	165/90	-	-	-	6½	
1744	37	7	34	36	Undelivered	A	-	+	-	-	158/110	Tr.	-	-	-	Peripheral neuritis.
1749	29	2	42	42	Spontaneous	A	A	+	-	-	142/100	-	-	-	-	
1759	39	5	36	38	Spontaneous	A	SB	+	+	7	160/90	Tr.	-	-	6	
1760	30	1	36	38	Cæs. section	A	A	+	+	1	150/94	-	-	-	7	C.P. D.C. 4½ ins.
1761	42	3	39	40	Forceps	A	A	+	-	-	170/88	-	-	-	-	Surg. ind. A.R.M. Second-stage delay.
1805	28	1	39	39	Spontaneous	A	A	-	-	-	190/110	-	-	-	7½	G.C.P.
1820	21	2	39	40	Spontaneous	A	A	-	-	-	140/90	Tr.	-	-	5¾	Mitral stenosis.
1821	30	2	37	37	Spontaneous	A	A	+	-	-	140/75	-	-	-	6¼	
1824	20	1	39	40	Spontaneous	A	A	+	-	1	170/110	2½	-	-	8	
1832	18	2	39	41	Spontaneous	A	A	+	+	42	145/85	Tr.	-	-	10¼	Med. ind.
1833	28	2	39	41	Spontaneous	A	A	+	-	-	160/105	2½	-	-	8	
1837	23	1	38	40	Spontaneous	A	A	+	+	14	150/100	1½	-	-	6½	
1840	24	1	36	38	Undelivered	A	-	+	+	14	165/100	2½	-	-	-	
1853	34	1	41	41	Spontaneous	A	A	+	-	28	186/112	Tr.	-	-	9	Surg. ind. A.R.M.

Reg. No.	Age	Partly.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach	Pyrexia or Sepsis	Weight of Child	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache	Eye	Abdomen					
1863	35	2	34	37	Manual and spontaneous	A	SB and A	+	-	-	-	145/110	Tr.	-	3 and 4½	C. P. D.C. 4¼ ins. Twins (1) Breech; (2) Vertex.
1899	33	2	40	40	Spontaneous	A	A	+	-	-	-	184/100	-	-	7¾	C.P. D.C. 4½ ins.
{ 1912	31	2	29	30	Undelivered	A	-	+	-	-	-	136/80	Tr.	-	-	Previous section.
{ 2784	-	-	38	43	Cæs. section	A	D	-	-	-	-	130/80	-	-	9¼	Sterilised.
{ 1969	32	2	36	37	Spontaneous	A	A	+	+	-	-	120/90	½	P	-	Twins (1) Vertex; (2) Vertex. P.U.O.
1972	18	1	39	40	Spontaneous	A	A	+	+	-	-	155/100	Tr.	-	-	-
{ 1980	28	2	27	28	Undelivered	A	-	+	+	-	-	158/96	Tr.	-	-	Transverse lie. A.R.M. Surg. ind. Breech.
{ 2881	-	-	37	39	Spontaneous	A	D	+	+	-	-	150/100	Tr.	-	5	C.P. D.C. 4 ins. R.O.P. Manual rotation.
1983	25	1	40	42	Spontaneous	A	A	+	-	-	-	150/80	-	-	6¾	Twins: V. and V. Int. version to breech.
1985	34	1	37	39	Forceps	A	SB	+	-	-	-	180/116	-	-	8¾	R.O.P. Manual rotation.
1990	27	1	38	39	Spontaneous	A	A	+	-	-	-	160/100	-	-	5¼	-
2013	23	1	36	37	Spontaneous	A	A and A	+	+	+	3	140/80	-	-	5¼ and 5	Twins: V. and V. Int. version to breech.
2022	24	1	32	35	Forceps	A	D	+	-	-	-	150/105	1	-	7¼	R.O.P. Manual rotation.
2039	29	1	36	41	Forceps	A	A	+	-	-	-	180/106	-	-	6¾	C.P. D.C. 4¼ ins. Surg. ind. A.R.M. Second-stage delay.
{ 2041	39	5	37	38	Undelivered	A	-	+	-	-	-	172/84	Tr.	-	-	C.P. D.C. 4¼ ins.
{ 2221	-	-	39	39	Spontaneous	A	A	+	-	-	-	150/94	-	-	6½	Diabetes mellitus. Sterilised.
{ 2129	38	6	26	29	Abdominal hysterotomy	A	-	-	-	-	-	190/90	Tr.	-	-	-
{ 2208	32	8	30	31	Undelivered	A	-	-	-	-	-	155/80	Tr.	-	-	Cardiac.
{ 3296	-	-	41	41	Spontaneous	A	A	-	-	-	-	140/90	-	-	5¾	-

Reg No.	Age	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Child.		Oedema.	Hendache.	Eye.	Abdomen	Highest Blood Pressure.	Paris Esbach	Typhoid or Sepsis.	Weight of Child	Remarks.
						Alive or Died.	Alive or Died.	Alive, Still-born or Died.	Child.									
2212	29	3	39	40	Forceps	A	A	A	-	-	-	-	180/130	Tr.	-	-	7½	Second-stage delay.
2218	19	2	36	38	Undelivered	A	-	-	-	-	-	-	154/80	Tr.	-	-	-	Anæmia.
2253	23	1	34	36	Spontaneous	A	D	D	+	-	-	-	195/115	10	-	-	3½	
2268	26	1	32	32	Undelivered	A	-	-	+	-	-	-	120/80	-	-	-	-	Ext. acc. hæm.
3053	-	-	40	40	Spontaneous	A	A	A	+	-	-	-	136/80	-	-	-	10	Surg. ind. A.R.M.
2280	22	1	33	36	Undelivered	A	-	-	+	+	+	-	160/100	½	-	-	-	
2824	-	-	39	39	Spontaneous	A	D	D	90	30	-	-	140/90	-	-	-	7¾	
2300	30	2	37	40	Spontaneous	A	A	A	+	+	-	-	170/110	-	-	-	7	
2310	36	1	40	41	Forceps	A	A	A	+	+	-	-	142/90	Tr.	-	-	7	Second-stage delay.
2320	22	1	40	40	Spontaneous	A	A	A	-	-	-	-	152/96	-	-	-	7¾	
2340	29	2	40	41	Spontaneous	A	A	A	+	-	-	-	140/100	Tr.	-	-	8½	
2369	31	1	35	39	Spontaneous	A	A	A	90	-	-	-	165/100	Tr.	-	-	5	
2383	27	1	37	39	Spontaneous	A	A	A	-	+	+	-	148/100	Tr.	-	-	-	
2415	26	1	38	39	Forceps and spontaneous	A	D	D and SB	+	14	-	-	164/100	-	-	-	2½ and 2½	Twins. Surg. ind. A.R.M. (1) L.O.P. manual rotation; (2) Vertex, spontaneous. Sl. hydramnios.
2462	32	1	35	-	Undelivered	A	-	-	-	-	-	-	135/100	-	-	-	7¼	Sl. C.P. D.C. 4¾ ins. Surg. ind. A.R.M.
2898	-	-	38	41	Spontaneous	A	A	A	-	-	-	-	120/80	-	-	-	7¼	
2484	34	1	39	40	Spontaneous	A	A	A	-	-	-	-	150/105	Tr.	-	-	7½	
2535	19	2	40	40	Spontaneous	A	A	A	+	+	-	-	150/95	-	-	-	6¼	
2536	24	1	39	40	Spontaneous	A	A	A	90	-	-	-	170/120	Tr.	-	-	6¾	

Reg No.	Age.	Parity.	Maturity on Admision. wks	Maturity at Delivery. wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
2555	30	3	38	40	Spontaneous	D	A and A	+	+	-	-	146/94	2	-	6½ and 6½	Twins. Retained placenta. P.P.H. Manual removal. Blood transfusion. Obstetric shock. (See under deaths.)
2568	22	3	37	39	Spontaneous	A	A	+	-	-	-	140/85	Tr.	-	8	C.P. D.C. 4½ ins.
2571	37	7	40	40	Spontaneous	A	A	+	-	-	-	148/78	Tr.	-	8	Med. ind.
2630	33	5	29	36	Spontaneous	A	A	+	-	-	-	220/160	5	-	-	Breech. Previous section.
{ 2645	31	1	34	36	Undelivered	A	-	+	-	-	-	158/90	Tr.	-	-	Surg. ind. A.R.M.
{ 3338	-	-	42	42	Spontaneous	A	A	+	+	-	-	150/90	1	-	-	8¾
2656	36	3	39	40	Spontaneous	A	A	+	+	-	-	170/110	1	-	6½	
2665	26	1	40	40	Spontaneous	A	A	+	-	-	-	170/110	-	-	9	
2673	21	1	40	43	Ces. section	A	A	-	-	+	-	140/95	-	-	7¾	C.P. D.C. 4½ ins.
2690	29	1	41	41	Forceps	A	A	+	-	-	-	150/85	-	-	7¾	C.P. D.C. 4 ins. Second-stage delay.
2735	21	1	36	38	Spontaneous	A	A	-	+	-	-	155/90	Tr.	-	5½	Surg. ind. A.R.M.
2736	24	1	33	38	Forceps	A	A	+	-	-	-	190/120	3½	-	5	Surg. ind. A.R.M. Second-stage delay.
2738	19	2	39	40	Spontaneous	A	SB	+	-	-	-	160/100	1	-	-	? Eclamptic fit before adm. Child hydrocephalic.
2739	20	1	40	40	Spontaneous	A	A	-	7	-	-	140/90	-	-	7	Surg. ind. A.R.M.
2746	20	1	37	39	Spontaneous	A	A	-	+	-	-	162/114	6½	-	5½	
2771	33	2	40	40	Spontaneous	A	A	-	30	-	-	125/90	-	-	9¾	
2812	26	1	40	40	Spontaneous	A	A	-	+	-	-	140/90	-	P	8½	P.U.O.
{ 2830	29	4	30	31	Undelivered	A	-	+	+	-	-	140/80	-	-	-	
{ 3484	-	-	40	40	Spontaneous	A	A	+	+	-	-	130/80	-	-	9	



Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother Child.		Symptoms and Duration in Days.				Highest Blood Pressure.	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks
						Alive or Died.	Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
3003	34	1	40	41	Forceps -	A	SB	+				140/90	-	-	7	C.P. D.C. 4 $\frac{3}{4}$ ins. Hydramnios. Surg. ind. A.R.M. Second-stage delay.
3004	30	1	37	38	Forceps -	A	A	-				140/95	Tr.	P	8 $\frac{1}{4}$	Surg. ind. A.R.M. R.O.P. Manual rotation. Mastitis.
3012	26	1	40	40	Spontaneous -	A	A	+	42			155/100	-	-	8 $\frac{1}{4}$	Second-stage delay. Surg. ind. A.R.M. Mastitis.
3029	33	1	40	40	Forceps -	A	A	-				145/80	-	-	6 $\frac{1}{2}$	Second-stage delay. Surg. ind. A.R.M.
3073	45	15	39	40	Spontaneous -	A	A	+	60	7		190/120	2	-	-	Second-stage delay. Surg. ind. A.R.M.
3078	38	4	39	40	Spontaneous -	A	A	+				140/90	Tr.	-	-	
3098	27	3	40	40	Spontaneous -	A	A	+	30	7		140/80	-	-	-	
3104	31	4	37	39	Cæs. section -	A	A	+				145/90	-	-	-	Bad obstetric history. Pyrexia (pyelitis). Breech. Ext. version to vertex.
3107	24	2	40	40	Spontaneous -	A	A	+				130/90	-	P	9 $\frac{1}{4}$	
3121	40	3	36	37	Spontaneous -	A	A	-				160/100	-	-	7 $\frac{3}{4}$	
3124	29	1	38	40	Spontaneous -	A	A	-				165/115	Tr.	-	9	
3129	34	2	39	41	Spontaneous -	A	A	+				135/95	-	-	7 $\frac{3}{4}$	Previous section. Surg. ind. A.R.M.
3135	17	1	39	39	Spontaneous -	A	SB	+	28			150/100	Tr.	-	5 $\frac{1}{2}$	
3141	25	7	40	40	Spontaneous -	A	A	+				156/110	-	-	6 $\frac{1}{2}$	C.P. Cardiac. Second-stage delay. Surg. ind. A.R.M.
3152	28	1	39	39	Spontaneous -	A	A	-				140/90	-	-	7 $\frac{1}{4}$	
3159	38	1	40	41	Forceps -	A	A	+				138/88	-	-	6 $\frac{1}{4}$	
3169	37	3	36	38	Spontaneous -	A	SB	+				168/90	-	-	6 $\frac{3}{4}$	
3171	31	3	39	41	Cæs. section -	A	A	+				135/90	Tr.	-	9 $\frac{1}{2}$	C.P. D.C. 4 $\frac{1}{4}$ ins. Surg. ind. A.R.M.
3190	25	3	40	40	Spontaneous -	A	A	-				148/80	-	-	8	Breech. Spontaneous version.
3195	37	2	32	33	Undelivered -	A	-	+	14			120/80	-	-	-	Previous still-birth.
3637	-	-	39	40	Cæs. section -	A	A	-				135/85	-	-	9	



Reg No.	Age	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	no. of Child.		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach	Pyrexia or Sepsis.	Weight of Child	Remarks
						Alive or Died.	Alive, Still-born	Oedema.	Headache.	Eye.	Abdomen					
3564	24	1	39	39	Spontaneous	A	A	-	-	-	-	140/85	-	-	5	Surg. ind. A.R.M. Manual rotation.
3580	33	3	36	39	Spontaneous	A	A	+	-	-	-	160/110	Tr.	-	7½	C.P. D.C. 4¼ ins.
3585	27	1	36	37	Spontaneous	A	SB	60	-	-	+	140/90	-	-	5	
3592	37	10	44	44	Spontaneous	A	SB	+	-	-	14	132/86	-	-	9	Hydrannios.
3594	36	2	23	26	Undelivered	A	-	-	-	-	-	170/100	-	-	-	
4528	-	-	33	37	Spontaneous	A	A	-	+	-	-	190/120	Tr.	-	5	Surg. ind. A.R.M.
3599	30	1	36	38	Undelivered	A	-	-	+	-	-	140/88	-	-	-	
3953	42	-	39	40	Spontaneous	A	A	+	+	-	-	190/110	-	-	4½	Surg. ind. A.R.M.
3605	42	11	40	40	Spontaneous	A	A	+	+	-	-	160/110	-	-	10½	
3639	36	1	39	39	Spontaneous	A	A	+	-	-	-	135/90	-	-	7½	
3641	36	4	36	38	Spontaneous	A	A	+	-	-	-	182/95	-	-	5	Surg. ind. A.R.M.
3643	27	1	36	38	Undelivered	A	-	+	-	-	-	165/90	-	-	-	
3929	-	-	38	39	Spontaneous	A	A	30	+	+	-	188/120	¾	-	8¼	Surg. ind. A.R.M.
3645	35	1	32	38	Spontaneous	A	A	-	-	+	-	180/120	2½	-	4½	
3659	31	1	40	40	Spontaneous	A	A	-	-	+	-	138/90	-	-	7½	
3676	32	3	40	40	Spontaneous	A	A	-	-	-	-	145/90	-	-	7½	
3689	28	1	38	38	Undelivered	A	-	-	-	-	-	130/70	-	-	-	Breech. Failed version.
3758	-	-	39	40	Spontaneous	A	A	+	+	-	-	120/70	Tr.	-	6	Breech.
3704	31	4	37	38	Spontaneous	A	A	7	+	-	-	180/120	1	-	4¾	Surg. ind. A.R.M.
3706	36	4	40	40	Forceps	A	A	7	+	-	-	140/90	-	-	7½	R.O.P. Manual rotation.
3720	24	2	39	39	Spontaneous	A	A	60	-	-	-	135/90	-	-	6¼	
3742	36	3	26	26	Complete miscarriage	A	-	+	+	-	-	148/80	-	-	-	
3754	31	2	40	40	Spontaneous	A	D	-	+	+	-	140/80	-	-	8	Breech.

Reg. No.	Age	Partly.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother.		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis	Weight of Child lbs.	Remarks
						Alive or Died.	Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen					
3761	27	1	37	40	Spontaneous	A	A	+	-	-	-	160/100	1/4	-	7 1/4	Breech. Ext. version.
3768	26	1	32	35	Spontaneous	A	A	+	-	-	-	165/110	3/4	-	6	Twins: (1) Vertex; (2) Breech.
3789	23	1	35	40	Spontaneous	A	A and A	-	-	-	-	155/100	-	-	6 1/2 and 5	
3794	30	1	40	40	Forceps	A	A	+	-	-	-	154/95	-	-	7	L.O.P. Face to pubis.
3799	34	8	38	39	Spontaneous	A	A	-	+	+	-	140/100	Tr.	-	8	Surg. ind. A.R.M. Late vomiting.
3811	21	2	40	41	Spontaneous	A	A	-	7	-	-	155/80	1	-	8	Pyelitis.
3836	22	1	36	40	Forceps	D	A	-	-	-	-	200/100	2	-	6 1/2	Second-stage delay. Death under anaesthesia. (See under deaths.)
3841	29	2	40	40	Spontaneous	A	A	+	-	-	-	160/100	-	-	9	Surg. ind. A.R.M.
3842	32	1	37	38	Spontaneous	A	A	+	+	-	-	162/100	5	-	5 1/4	
3849	37	6	39	41	Spontaneous	A	A	+	-	-	-	165/110	Tr.	-	8	Surg. ind. A.R.M. Irreg. dism.
3850	27	2	35	36	Undelivered	A	A	-	-	-	-	150/100	-	-	-	
3857	31	3	38	42	Spontaneous	A	A	-	-	-	-	145/90	Tr.	-	-	Oblique lie. Spontaneous version.
3862	26	1	37	38	Undelivered	A	A	-	-	-	-	160/85	1	-	-	-
3868	35	2	40	40	Forceps	A	A	+	+	-	-	180/120	Tr.	-	7 1/2	Surg. ind. A.R.M. Second-stage delay.
3870	21	1	38	39	Forceps	A	A	+	+	-	-	165/118	Tr.	-	7 1/2	Surg. ind. A.R.M. Second-stage delay.
3873	25	1	40	40	Spontaneous	A	A	-	-	-	-	135/90	-	-	7	Surg. ind. A.R.M.
3881	37	1	36	38	Spontaneous	A	A	+	-	-	-	138/90	1	-	8 1/4	
3913	31	5	40	40	Spontaneous	A	A	-	-	+	-	165/100	-	-	7	C.P. D.C. 4 1/4 ins. R.O.P.
3916	23	1	38	41	Spontaneous	A	A	-	-	-	-	140/85	1	-	6 1/2	
3940	21	1	41	41	Forceps	A	A	-	-	-	-	140/90	-	-	6 1/2	



Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
4298	30	1	30	33	Undelivered	A	—	+	—	—	—	—	—	—	—	Surg. ind. A.R.M.
4329	22	1	40	40	Spontaneous	A	A	+	—	—	—	3	—	—	4½	Surg. ind. R.O.P. C.P. D.C. 4¼ ins.
4332	27	1	39	40	Forceps	A	D	—	—	—	—	—	—	—	6¾	Second-stage delay. Breech.
4337	40	2	38	39	Spontaneous	A	A	—	—	—	—	—	—	—	6	Disproportion.
4371	38	9	38	39	Spontaneous	A	A	+	—	—	—	Tr.	—	—	7	
4374	36	1	40	40	Forceps	A	A	—	—	—	—	—	—	—	8½	
4386	31	1	32	33	Undelivered	A	—	+	—	—	—	Tr.	—	—	—	
4407	34	1	40	40	Cæs. section	A	A	60	—	—	—	—	—	—	—	
4423	27	2	37	40	Spontaneous	A	A	—	—	—	—	—	—	—	—	
4441	24	1	39	40	Spontaneous	A	A	—	—	—	—	Tr.	—	—	—	
4455	40	11	40	40	Spontaneous	A	A	—	—	—	—	—	—	—	8	
4459	22	1	39	40	Spontaneous	A	A	—	—	—	—	—	—	—	7¼	Surg. ind. A.R.M. C.P. P.J.R.
4470	23	2	40	40	Spontaneous	A	A	+	+	—	—	—	—	—	8½	
4483	39	4	34	36	Undelivered	A	—	21	+	—	—	Tr.	—	—	—	

B.—Others.

50	18	1	36	40	Undelivered	A	—	+	—	—	—	Tr.	—	—	—	
{	84	1	32	37	Undelivered	A	—	7	—	—	—	Tr.	—	—	—	
	1017	—	42	42	Spontaneous	A	A	+	—	—	—	½	—	—	6¾	Pyelitis.
98	35	4	30	35	Cæs. section	A	A	14	+	—	—	9	—	—	3¾	
109	42	1	37	40	Spontaneous	A	A	28	21	—	—	Tr.	—	—	5¼	
127	37	3	34	37	Spontaneous	A	A	+	—	—	—	1	—	—	5¼	Surg. ind. Bougies.

Reg. N.	Age	Parity	Maturity on Admission, wks	Maturity at Delivery, * wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Ksach Part per 1,000	Pyrexia or Sepsis.	Weight of Child, lbs.	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
200	20	1	20	24	Complete miscarriage	A	—	+	—	—	188/110	12	—	—	Surg. ind. A.R.M.	
205	32	4	12	14	Abdominal hysterotomy	A	—	+	+	—	150/100	Tr.	—	—	Mitral stenosis. Sterilised.	
211	27	1	38	39	Spontaneous	A	A	+	—	28	156/106	Tr.	—	7		
251	37	8	40	40	Spontaneous	A	A	+	—	—	152/102	—	—	7½		
282	41	5	40	40	Spontaneous	A	D	—	—	—	220/126	Tr.	—	5½	Surg. ind. A.R.M.	
303	45	7	39	40	Spontaneous	A	A	+	—	—	178/106	—	—	7	Surg. ind. A.R.M.	
351	24	3	27	28	Complete miscarriage	A	—	+	+	28	200/140	2½	—	—		
{ 356	36	2	14	16	Undelivered	A	—	+	—	—	160/120	Tr.	—	—	Surg. ind. A.R.M.	
{ 1825	—	—	34	39	Spontaneous	A	A	—	—	—	215/120	5	—	—	Surg. ind. A.R.M.	
{ 368	21	1	23	27	Complete miscarriage	A	—	+	+	—	168/112	8	—	—		
395	26	5	36	37	Spontaneous	A	A	7	2	30	158/112	Tr.	—	12½	Hydramnios. Surg. ind. A.R.M.	
403	39	4	38	39	Spontaneous	A	A	+	—	—	160/110	1	—	6¾		
412	35	4	23	31	Undelivered	A	—	+	21	—	220/130	2½	—	—	Irreg. dism.	
413	20	1	37	38	Spontaneous	A	A	+	—	—	214/150	2½	—	—		
417	25	2	33	34	Spontaneous	A	D	+	—	—	196/120	12	P	3½	R.O.P. Surg. ind. A.R.M. Face to pubis. P.U.O.	
437	23	1	39	39	Spontaneous	A	A	+	—	—	150/100	—	—	6¾	Breech. Ext. version.	
442	30	1	36	40	Forceps	A	SB	+	—	—	160/100	1	—	5½	R.O.P. Manual rotation.	
464	32	1	40	40	Cæs. section	A	A	+	—	—	160/106	—	—	7½	Fibroid complicating pregnancy.	

Reg. No.	Age.	Parity.	Maturity on Admission. wks	Maturity at Delivery. wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
562	32	3	32	33	Undelivered	A	-	+	-	-	142/96	-	-	-	-	
580	32	2	11	11	Abdominal hysterotomy	A	-	-	-	-	230/150	-	-	-	-	Sterilised.
585	39	10	34	40	Spontaneous	A	A	+	+	-	170/100	Tr.	-	-	6½	
{ 610 2031 3175 613	35	2	9	11	Undelivered	A	-	-	+	+	174/92	-	-	-	-	Hyperemesis.
	-	-	24	28	-	A	-	+	+	-	200/120	Tr.	-	-	-	
	-	-	37	38	Spontaneous	A	A	-	+	+	200/100	Tr.	-	-	6	Surg. ind. A.R.M.
	24	2	36	38	Spontaneous	A	A	+	+	+	148/108	16	P	5	5	Surg. ind. A.R.M.
624	38	4	36	38	Spontaneous	A	A	+	+	+	180/120	Tr.	-	-	7½	Surg. ind. Bougies.
657	18	1	37	37	Spontaneous	A	A	+	-	-	174/130	1½	-	-	5¼	C.P. P.J.R.
773	21	1	38	39	Undelivered	A	-	+	+	+	148/100	2	-	-	-	Irreg. dism.
824	24	1	37	39	Spontaneous	A	A	+	-	-	180/130	4	-	-	8½	Surg. ind. Bougies.
{ 1372 894	-	-	37	38	Spontaneous	A	A	-	-	-	176/110	Tr.	-	-	5½	Surg. ind. A.R.M.
1221	-	-	40	40	Spontaneous	A	A	+	+	+	154/100	-	-	-	6½ and 5¼	Twins : (1) Vertex ; (2) Vertex.
899	26	1	33	35	Spontaneous	A	SB	+	+	+	185/130	Tr.	-	-	3	
910	28	1	39	40	Spontaneous	A	A	+	+	+	154/106	½	-	-	7	
914	31	5	36	40	Spontaneous	A	A	-	-	-	176/106	4	-	-	5½	Surg. ind. A.R.M.

Reg. No.	Age.	Parity.	Maturity on Admission. wks	Maturity at Delivery.* wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child. lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
945	30	5	27	29	Spontaneous	A	SB	-	+	-	-	2	-	4½	Surg. ind. A.R.M.	
971	29	3	40	40	Spontaneous	A	A	-	-	-	-	-	-	7½	C.P.	
984	30	1	35	36	Undelivered	A	-	-	-	-	-	-	-	6¼	Surg. ind. A.R.M.	
995	17	1	34	38	Spontaneous	A	A	+	-	-	-	Tr.	-	7	Macerated foetus.	
998	28	5	39	40	Spontaneous	A	SB	14	+	-	-	-	-	7	Macerated foetus.	
1033	45	6	40	40	Spontaneous	A	A	28	-	-	-	-	-	6¼	-	
1044	22	1	39	41	Spontaneous	A	A	+	-	-	-	2	-	-	-	
1060	38	4	33	34	Spontaneous	A	SB	+	-	+	-	-	-	-	Partial placenta prævia.	
1081	44	13	36	38	Spontaneous	A	D	42	-	7	-	-	-	-	Shoulder presentation. Ext. version to vertex. Surg. ind. Bougies. Sterilised.	
1089	40	1	27	28	Abdominal hysterotomy	A	-	+	-	-	-	Tr.	-	-	L.O.P. Manual rotation. P.U.O.	
1131	26	2	40	40	Spontaneous	A	A	7	+	-	-	-	-	8½	-	
1145	43	1	38	39	Forceps	A	A	-	+	-	-	-	P	7	-	
{ 1154	35	5	29	31	Undelivered	A	-	7	+	-	-	-	-	-	-	
{ 1531	-	-	33	37	Spontaneous	A	A	-	-	-	-	-	-	-	-	
{ 1159	26	1	34	39	Spontaneous	A	A	+	-	-	-	1	P	9½	Pyrexia (urinary).	
{ 1225	26	2	38	38	Spontaneous	A	A	+	-	-	-	Tr.	-	8	Surg. ind. A.R.M.	
1226	27	3	37	40	Spontaneous	A	A	28	-	-	-	Tr.	-	7¾	C.P. D.C. 4¼ ins.	
{ 1227	33	2	30	32	Undelivered	A	-	-	-	-	-	Tr.	-	-	Twins: V. and V. Ext. acc. hæmorrhage.	
{ 1484	-	-	32	33	Spontaneous	A	SB and A	+	-	+	-	Tr.	-	4¼ and 3¼	-	

Reg No.	Age.	Parity.	Maturity on wks	Maturity at Delivery.* wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
1234	19	1	34	40	Spontaneous	A	A	-	+	-	-	160/98	Tr.	-	-	Second-stage delay.
1245	19	1	39	40	Forceps	A	A	-	-	-	-	154/110	10	-	-	Pleural effusion.
1248	26	1	37	38	Spontaneous	A	A	+	3	-	-	174/120	Tr.	-	6½	Cardiac.
1253	36	2	35	40	Spontaneous	A	A	+	120	-	-	190/100	-	-	-	
1254	42	1	37	40	Spontaneous	A	A	+	14	-	-	160/95	-	-	7½	
1301	40	10	32	36	Spontaneous	A	SB	+	+	-	-	195/130	½	-	4	I.U.D.
1345	26	1	40	40	Spontaneous	A	A	-	+	-	-	190/115	8	-	7½	B.B.O.
1351	39	8	40	40	Spontaneous	A	A	+	30	+	+	170/110	-	-	-	
1353	26	3	40	40	Spontaneous	A	A	+	+	+	-	140/80	Tr.	-	8½	Surg. ind. A.R.M.
1368	38	6	39	40	Spontaneous	A	A	+	60	+	-	188/120	-	-	9	
1378	26	1	40	40	Spontaneous	A	A	+	21	+	-	162/104	-	-	7½	
1385	28	1	37	39	Spontaneous	A	A	+	14	-	-	150/105	1	-	6	Surg. ind. A.R.M.
1388	33	1	36	39	Forceps	A	SB	+	21	-	-	160/95	-	P	10¼	Breech. Ext. version. R.O.P. Manual rotation. Forceps. P.U.O. Second-stage delay.
1396	30	1	40	40	Forceps	A	A	-	-	-	-	185/120	-	-	7	
1403	39	5	40	40	Spontaneous	A	A	+	7	+	-	196/114	-	-	5¼	
1452	23	1	37	38	Spontaneous	A	SB	+	+	-	-	182/100	7	-	4	Twins. Sterilised.
1471	38	5	28	30	Cæs. section	A	D and D	-	21	+	-	250/160	Tr.	-	3¼ and 2½	
1505	33	2	37	38	Spontaneous	A	A	+	+	-	-	148/82	½	P	7	Anæmia. Blood transfusion. P.U.O.

Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
1528	38	10	40	40	Spontaneous	A	A	+	-	-	-	2	-	7		
1533	32	2	40	40	Spontaneous	A	A	-	+	-	-	-	-	8½		
1584	26	2	40	40	Spontaneous	A	A	+	-	-	-	4	-	6¾	Breech.	
1605	33	3	36	40	Spontaneous	A	A and	+	-	+	30	Tr.	-	5 and	Twins: (1) Vertex; (2) Breech.	
1619	30	2	37	39	Spontaneous	A	A	+	-	-	-	6	-	3¾		
1633	24	1	35	37	Spontaneous	A	D	+	+	-	-	4	-	5½	C.P. D.C. 4 ins.	
1634	21	1	32	35	Undelivered	A	-	+	-	-	-	-	-	4		
1646	30	2	41	41	Spontaneous	A	A	+	-	-	-	-	-	-		
1661	29	2	37	38	Spontaneous	A	A	+	-	-	-	Tr.	-	7¾	Surg. ind. A.R.M.	
1668	27	2	38	39	Spontaneous	A	A	+	-	-	-	4	-	6	Surg. ind. A.R.M.	
1699	38	1	36	39	Undelivered	A	-	+	-	-	-	Tr.	-	-	Breech. Ext. version.	
2126	-	-	40	40	Forceps	A	A	+	-	-	-	-	-	-		
1715	21	1	38	39	Spontaneous	A	A	+	+	-	-	Tr.	P	6	R.O.P. Manual rotation. Breech. Ext. version to vertex.	
1777	41	2	40	40	Cæs. section	A	A	+	-	-	-	-	-	8½	Pyrexia (urinary).	
1783	29	3	37	37	Spontaneous	A	A and	+	-	-	-	-	-	5½ and	Disproportion. Steriliscd. Twins: (1) Breech; (2) Vertex.	
1812	26	1	39	40	Forceps	A	D	+	-	-	-	-	-	5½	Breech. Ext. version. Surg. ind. A.R.M. Second-stage delay.	
1838	38	5	13	15	Undelivered	A	-	+	-	+	-	Tr.	-	-		
3420	-	-	25	26	-	A	-	+	-	-	-	Tr.	-	-		
3616	-	-	31	38	Spontaneous	A	D	+	+	-	+	1½	-	6¾	Surg. ind. A.R.M.	

Reg No.	Age.	Parity.	Maturity on Admission, wks	Maturity at Delivery, wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child, lbs.	Remarks.	
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.						
1844	28	1	40	40	Forceps -	A	A	+	+	-	-	162/100	$\frac{1}{2}$	-	8	R.O.P. Manual rotation.	
{ 1850 2435 1865	27	1	32	35	Undelivered -	A	-	+	-	-	-	150/90	2	-	5	Anæmia. Blood transfusion. (See under deaths.)	
	-	-	39	39	Spontaneous -	A	A	-	-	-	-	168/110	-	-	-		-
1916	23	1	40	40	Spontaneous -	A	A	+	+	-	-	150/110	-	S	7	Surg. ind. A.R.M. Transferred to Isolation Hospital. Dismissed well.	
{ 1917 2343 1923	40	4	32	35	Undelivered -	A	-	-	-	-	-	115/75	Tr.	-	-	Surg. ind. A.R.M.	
	-	-	38	39	Spontaneous -	A	A	+	+	-	-	142/82	Tr.	-	-		6 $\frac{1}{2}$
	21	1	27	32	Spontaneous -	A	A	+	+	+	14	165/115	14	-	-		3 $\frac{1}{2}$
1928	32	3	37	38	Spontaneous -	A	SB	+	+	-	-	158/110	1	-	4 $\frac{3}{4}$		
1939	25	2	34	38	Spontaneous -	A	A	-	7	-	-	165/118	Tr.	-	5 $\frac{3}{4}$		
1977	33	2	41	41	Spontaneous -	A	A	+	+	+	21	170/110	-	-	7 $\frac{1}{4}$		
1986	26	1	40	40	Forceps -	A	A	+	-	-	-	172/110	-	P	6 $\frac{1}{4}$	Cardiac. Second-stage delay. Pyrexia (urinary). Surg. ind. A.R.M.	
1991	29	6	38	39	Spontaneous -	A	A	+	+	-	-	160/100	Tr.	-	7 $\frac{1}{2}$		
2010	41	9	28	30	Manual -	D	A	+	+	-	-	150/75	-	-	10	Breech. P.P.H. Blood transfusion. Obstetric shock. (See under deaths.) Breech.	
2045	39	9	39	39	Manual -	A	SB	+	+	-	-	170/90	-	-	13 $\frac{1}{4}$		
2064	32	3	36	36	Spontaneous -	A	D and D	+	+	-	-	168/92	4	-	5 $\frac{1}{2}$ and 4 $\frac{1}{2}$	Twins : (1) Vertex ; (2) Vertex.	
2070	22	1	39	39	Spontaneous -	A	A	+	-	-	-	160/130	-	-	6 $\frac{1}{2}$		

Reg No.	Age.	Party.	Maturity on Admission, wks	Maturity at Delivery, wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child, lbs.	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
2079	18	1	36	37	Spontaneous	A	A	+	-	-	-	150/100	16	-	7½	
2085	25	1	37	40	Spontaneous	A	A	+	-	-	-	16½/110	Tr.	-	5¾	
2103	24	1	35	36	Undelivered	A	-	+	-	-	-	145/100	1	-	-	Irreg. dism.
2106	35	2	40	43	Spontaneous	A	A	+	-	-	-	190/125	Tr.	-	10¼	
2128	18	1	38	39	Spontaneous	A	A	+	-	-	-	174/118	1	-	5¼	
2162	37	5	27	29	Undelivered	A	-	-	-	-	-	248/140	Tr.	-	-	Refused termination of pregnancy.
2642	-	-	32	34	Spontaneous	A	SB	+	+	-	-	246/170	1	-	1¾	Surg. ind. A.R.M.
2168	35	2	38	40	Spontaneous	A	A	+	-	-	-	164/108	Tr.	-	7	Surg. ind. A.R.M.
2169	38	3	38	40	Spontaneous	A	A	+	+	-	-	140/90	Tr.	-	8½	C.P. P.J.R. Surg. ind. A.R.M.
2184	23	1	39	39	Spontaneous	A	A	+	-	-	-	150/105	-	-	8¼	
2220	42	6	12	12	Dilatation and curettage	A	-	-	-	-	-	144/86	-	-	-	Inc. abortion.
2209	17	1	34	35	Spontaneous	A	A	+	+	-	-	150/90	Tr.	-	6¼	
2222	26	1	34	36	Spontaneous	A	A	+	-	-	-	180/130	2½	-	5¼	Surg. ind. A.R.M.
2223	38	1	29	30	Spontaneous	A	SB	+	-	-	-	230/120	12	-	2½	Surg. ind. Bougies.
2226	28	1	40	40	Spontaneous	A	A	+	-	-	-	140/100	Tr.	-	7¾	Phlegmasia.
2247	28	2	39	41	Spontaneous	A	A	-	-	-	-	142/100	-	-	9½	Surg. ind. A.R.M. Previous
2277	28	3	40	40	Spontaneous	A	A	-	+	-	-	150/100	-	-	7¾	nephrectomy.
2286	33	6	36	40	Spontaneous	A	A	+	60	30	-	160/100	-	-	6¼	Ext. acc. hæmorrhage.

Reg. No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Parts per 1,000 Esbach	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
2288	39	5	36	40	Spontaneous	A	A	+	-	-	-	3	-	8½	Surg. ind. Bougies.	
2297	27	1	33	36	Spontaneous	A	SB	+	+	-	-	5	-	3½		
2301	25	1	38	40	Forceps	A	A	28	-	7	-	Tr.	-	8½	Second-stage delay.	
2311	24	1	40	40	Spontaneous	A	A	+	-	-	-	-	-	6½	Surg. ind. A.R.M. Twins : V. and V.	
2339	35	3	37	39	Spontaneous	A	SB and D	+	+	-	-	4	-	4½ and 5		
2347	27	1	35	36	Undelivered	A	-	+	-	-	-	Tr.	-	-	Surg. ind. A.R.M. Second-stage delay. Delayed chloroform poisoning. Blood transfusion. Mild sepsis. Surg. ind. Bougies.	
2357	37	2	35	37	Spontaneous	A	SB	14	+	-	-	2	-	4½		
{ 2368 2995	29	1	34	35	Undelivered	A	-	+	-	-	-	Tr.	S	-	Surg. ind. A.R.M. Second-stage delay. Delayed chloroform poisoning. Blood transfusion. Mild sepsis. Surg. ind. Bougies. Transferred to Isolation Hospital. Dismissed well.	
	-	-	40	40	Forceps	A	SB	+	-	-	-	-	-	8		
2371	38	3	26	27	Complete miscarriage	A	-	+	-	-	-	12	-	-	Breach. Ext. version. Surg. ind. Bougies. Twins : (1) Breach ; (2) Vertex.	
2380	47	15	38	40	Spontaneous	A	A	7	-	-	-	Tr.	S	8½		
2386	24	1	40	40	Spontaneous	A	A	+	-	-	-	Tr.	-	5½	Surg. ind. A.R.M. Breach. R.O.P. Rotation.	
2409	29	1	37	40	Spontaneous	A	A	60	+	42	-	Tr.	-	7½		
2437	26	1	40	40	Manual and forceps	A	A and A	+	-	+	-	2	-	5½ and 5½		
2471	25	2	38	40	Spontaneous	A	A	+	-	-	-	Tr.	-	6½		
2497	28	1	35	40	Forceps	A	SB	30	-	-	-	-	-	8		

Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Parts per 1,000	Pyrexia or Sepsis.	Weight of Child.	Remarks.	
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.						
2549	32	3	37	40	Spontaneous	A	A	+	-	-	+	170/100	Tr.	-	9	Med. ind. Retained placenta. Manual removal.	
2570	37	5	40	40	Spontaneous	A	A	+	-	-	42	160/100	-	-	7½	F.F.O. C.P. D.C. 4½ ins. Blood transfusion. Acute sepsis. (See under deaths.)	
2611	34	1	44	44	Perforation and traction	D	SB	+	-	-	42	180/120	6½	-	8½	C.P. Hip joint disease. Pelvic deformity. Second-stage delay.	
2632	35	1	36	39	Cæs. section	A	A	-	-	-	-	174/130	½	-	6	C.P. D.C. 4 ins. P.U.O. Hyperemesis.	
2643	30	1	40	40	Forceps	A	A	+	-	-	+	140/90	-	-	7¾	Hyperemesis.	
2646	20	1	44	44	Spontaneous	A	A	+	-	-	+	140/100	-	-	7¼	Hyperemesis.	
2674	27	1	40	40	Cæs. section	A	A	+	-	-	+	154/98	10	P	6½	Pyelitis. Failed forceps. Vesico-vaginal fistula.	
2675	28	5	8	9	Undelivered	A	-	-	+	7	-	186/110	Tr.	-	-	6¾	Chronic bronchitis. Surg. ind. A.R.M.
2868	-	-	9	11	-	A	-	-	-	-	-	140/100	Tr.	-	-	-	Surg. ind. A.R.M.
3168	-	-	13	15	-	A	-	-	-	-	-	120/70	Tr.	-	-	-	-
3630	-	-	27	28	-	A	-	-	-	-	-	-	Tr.	-	-	-	-
2684	35	5	40	40	Craniotomy	A	SB	+	-	-	+	148/110	-	-	7½	-	
2692	30	2	39	39	Spontaneous	A	A	+	-	-	21	148/95	-	-	-	-	
2747	22	1	38	39	Undelivered	A	-	-	-	-	-	135/95	3	-	-	-	
3020	-	-	40	40	Spontaneous	A	A	-	-	-	-	130/90	-	-	-	-	
2749	23	3	35	36	Spontaneous	A	A	+	+	+	30	175/110	3	-	5½	-	
2760	27	4	34	35	Spontaneous	A	A	+	+	+	60	190/130	10	-	-	-	
2763	32	6	20	23	Undelivered	A	-	+	+	+	30	150/110	Tr.	-	-	-	
4022	-	-	37	38	Spontaneous	A	A	+	+	+	+	230/150	1	-	4¾	-	

Reg. No.	Age	Partly.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Parts per 1,000 Esbach	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
2700	30	1	30	30	Spontaneous	A	A	+	+	-	+	Tr.	-	-	-	Placenta prævia. Surg. mo. A.R.M.
2769	41	3	40	40	Spontaneous	A	A	7	-	-	-	-	-	-	7½	
2772	33	1	37	38	Undelivered	A	-	-	-	-	-	-	-	-	-	
2783	33	2	33	34	Spontaneous	A	SB	+	+	+	+	15	-	-	7	Surg. ind. A.R.M.
2820	31	2	39	39	Spontaneous	A	A	30	1	-	-	-	-	-	7¾	
2821	41	1	40	41	Forceps	A	A	+	-	-	-	-	-	-	-	R.O.P. Manual rotation.
2828	30	4	32	32	Spontaneous	A	D and	+	-	+	-	-	-	-	-	Twins: (1) Vertex; (2) Vertex.
2836	20	1	39	40	Spontaneous	A	A	+	-	-	-	Tr.	-	-	8	Surg. ind. A.R.M.
2843	37	1	38	39	Spontaneous	A	A	60	+	-	-	Tr.	-	-	7¼	
2855	33	2	32	35	Spontaneous	A	A	-	14	+	+	4	-	-	4½	Surg. ind. A.R.M.
2858	27	1	40	40	Spontaneous	A	A	+	+	-	-	-	-	-	8¼	
2862	39	9	41	41	Spontaneous	A	A	+	-	-	-	-	-	-	7½	
2903	17	1	40	40	Spontaneous	A	A	+	-	-	-	-	-	-	7	
2913	22	1	36	37	Undelivered	A	-	+	+	+	+	2	-	-	-	Irreg. dism.
2926	36	2	34	35	Undelivered	A	-	+	-	-	-	-	-	-	-	
3279	-	-	38	40	Spontaneous	A	A	-	-	-	-	-	-	-	8	Hydramnios.
2965	28	1	27	30	Undelivered	A	-	+	+	-	-	-	-	-	-	
2967	23	1	33	35	Spontaneous	A	A	60	-	-	-	4	-	-	6¾	Surg. ind. A.R.M.
2993	33	3	36	39	Spontaneous	A	A	30	+	-	-	Tr.	-	-	5¾	Surg. ind. A.R.M.
3000	30	1	35	37	Spontaneous	A	SB	+	90	+	90	2	-	-	4½	Surg. ind. A.R.M.
3008	24	1	37	37	Forceps	A	SB	+	30	+	+	-	-	-	7½	F.F.O.

Reg No.	Age.	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Parts Esbach per 1,000	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
3025	32	2	40	40	Forceps -	A	SB	-	-	-	-	-	-	8	Second-stage delay.	
3031	39	1	36	37	Cæs. section -	A	A	-	-	-	145/80	2½	-	5	Breech.	
3043	36	1	38	39	Forceps -	A	A	+	+	-	180/140	2	-	6	Twins: (1) Vertex, second-stage delay; (2) R.O.P.	
							and	60			165/110			and		
3044	23	3	40	40	Cæs. section -	A	A	-	+	-	156/100	-	P	5	Surg. ind. A.R.M. Previous C.P. D.C. 3¼ ins. Pyrexia section. Sterilised. Pyrexia (respiratory).	
3046	30	2	25	30	Spontaneous -	A	SB	+	-	-	180/130	10	-	2½	Surg. ind. A.R.M.	
{ 3048	37	2	24	25	Undelivered -	A	-	-	-	-	125/70	-	-	-	Threatened abortion.	
{ 3567	-	-	34	34	S u b - t o t a l hysterectomy	A	SB	-	-	-	140/100	-	-	-	Previous section. Rupt. uterus through scar. Blood transfusion.	
3050	29	1	39	39	Forceps -	A	A	+	-	-	140/90	-	P	5½	Second-stage delay. Pyelitis.	
3062	38	5	36	37	Spontaneous -	A	SB	-	-	-	168/108	Tr.	-	4½	Placenta prævia. Int. podalic version.	
3093	27	2	40	41	Forceps -	A	A	+	-	-	140/90	Tr.	-	8½	C.P. D.C. 3¼ ins. Previous section. R.O.P. Manual rotation.	
3102	21	1	40	40	Spontaneous -	A	A	+	+	-	132/88	-	-	5½	Surg. ind. A.R.M. Second-stage delay. R.O.P. Manual rotation.	
3122	39	1	36	38	Forceps -	A	A	+	+	28	210/110	2½	-	-	stage delay. R.O.P. Manual rotation.	
3132	20	1	40	40	Forceps -	A	A	-	-	-	140/90	-	-	8½	Second-stage delay.	
3140	23	1	40	40	Forceps -	A	A	-	-	-	140/78	-	-	7¾	Second-stage delay.	
3151	24	2	26	27	Undelivered -	A	-	+	-	-	140/90	Tr.	-	-	Pyelitis.	
3153	38	7	40	40	Spontaneous -	A	A	+	+	-	156/110	-	-	7¼		
3154	44	1	32	38	Cæs. section -	A	A	-	-	-	172/100	-	-	7¼		
3166	46	3	38	39	Spontaneous -	A	A	-	-	-	140/90	-	-	7¼	Surg. ind. A.R.M.	
3179	25	1	40	40	Forceps -	A	A	+	-	-	130/95	-	-	7¼	Second-stage delay.	
3194	34	9	36	38	Spontaneous -	A	A	+	+	-	220/140	2½	-	4¾		

Reg No.	Age	Partly.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Parts per 1,000	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child.	Oedema.	Headache.	Eye.	Abdomen.					
{ 3197 3576 }	21	1	32	35	Undelivered	A	—	+	—	—	160/100	Tr.	—	—	—	Shoulder. Int. version. Forceps to a.c. head.
	—	—	40	40	Manual	A	SB	+	—	—	170/100	Tr.	—	—	—	
3211	42	7	40	40	Spontaneous	A	A	—	—	—	135/80	—	—	—	—	Bronchitis.
3212	24	1	40	40	Cæs. section	A	A	—	—	—	140/100	—	—	—	—	Disproportion.
3235	37	2	35	38	Spontaneous	A	D	+	+	—	220/140	2	—	—	—	Surg. ind. A.R.M.
3247	28	1	38	39	Spontaneous	A	A	+	+	—	150/105	1	—	—	—	Surg. ind. A.R.M.
3254	25	2	40	40	Spontaneous	A	A	+	+	—	140/100	—	—	—	—	Placenta prævia. Surg. ind. A.R.M.
3260	28	1	40	40	Forceps	A	D	+	+	—	160/90	2	—	—	7	R.O.P. Manual rotation.
3295	40	8	40	40	Spontaneous	A	A	+	+	—	140/85	—	—	—	9½	A.P.H. Placenta prævia. P.O.P.
{ 3301 3450 3322 }	23	2	35	36	Undelivered	A	—	+	+	—	140/80	—	—	—	—	
3341	26	2	34	34	Forceps	A	A	+	+	—	148/86	—	—	—	—	5½
3341	26	2	39	41	Spontaneous	A	A	+	+	—	135/90	—	—	—	—	8½
3346	35	5	38	38	Spontaneous	A	A	+	+	—	160/90	—	—	—	—	6½
{ 3353 3489 3660 }	24	1	34	34	Undelivered	A	—	+	+	—	140/75	—	—	—	—	Lat. plac. prævia. Breech. Ext. version. Breech. Ext. version.
3361	34	1	36	36	—	A	—	+	+	—	—	—	—	—		
3395	24	1	42	42	Spontaneous	A	A	+	+	—	160/100	Tr.	—	—	—	R.G.U. Corrected. C.P. D.C. 4 ins.
3396	24	1	38	40	Spontaneous	A	A	+	+	—	190/140	¾	—	—	—	
3412	36	3	40	40	Undelivered	A	SB	+	+	—	138/100	1½	—	—	—	Second-stage delay. Cardiac.
3416	23	1	13	14	Cæs. section	A	A	+	+	—	150/100	2	—	—	6¾	
			40	40	Forceps	A	SB	+	+	—	132/96	—	—	—	10	
			28	33	Spontaneous	A	A	+	+	—	165/130	3	—	—	6	

Reg No.	Age	Parity.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child.	Oedema.	Headache.	Eye.	Abdomen.					
3423	20	1	35	36	Undelivered	A	—	+	—	—	125/85	—	—	—	C.P. D.C. 4½ ins.	
	3549	—	38	39	Spontaneous	A	—	—	—	—	148/100	Tr.	—	5¾		
3434	18	1	40	40	Spontaneous	A	—	—	—	—	134/80	—	—	7¼		
3435	35	8	38	38	Spontaneous	A	SB	—	—	—	148/95	—	—	3¼	Breech.	
3446	20	1	40	40	Manual	A	SB	—	—	—	160/90	—	P	—	C.P. Breech. Pyelitis.	
3455	25	4	40	40	Spontaneous	A	A	—	—	—	132/95	—	—	9¼		
3463	36	8	40	40	Spontaneous	A	A	+	—	—	178/120	—	—	7	Surg. ind. A.R.M.	
3466	31	1	28	35	Spontaneous	A	A	+	—	—	190/110	6	—	3½	Surg. ind. A.R.M.	
3478	42	14	40	40	Forceps	A	A	—	—	—	135/90	—	—	8½	R.O.P. Manual rotation.	
3482	32	6	40	40	Forceps	A	A	+	+	—	158/106	—	—	7	Second-stage delay.	
3496	35	4	20	21	Undelivered	A	—	+	+	—	160/90	Tr.	—	—	Repeated abortions.	
4166	—	—	29	31	—	A	—	—	—	—	140/100	Tr.	—	—		
3497	40	8	30	36	Cæs. section	A	A	—	—	—	180/100	—	—	6¾	Left broad ligament tumour excised. Breech.	
3502	39	10	40	40	Spontaneous	A	A	+	42	+	140/85	—	—	7¾	C.P. D.C. 4½ ins. Surg. ind. A.R.M.	
3508	19	1	40	40	Spontaneous	A	A	—	—	—	140/100	—	—	6¾		
3511	21	1	40	40	Spontaneous	A	A	—	—	—	130/90	—	—	—		
3515	44	2	34	37	Undelivered	A	—	+	+	—	144/90	Tr.	—	—	Pyelitis.	
3540	21	1	35	35	Spontaneous	A	A	7	7	—	185/90	—	—	5¼		
3542	23	3	40	40	Spontaneous	A	A	2	—	—	135/90	Tr.	—	6½	Twins: (1) Vertex; (2) Breech.	
3544	19	1	40	40	Forceps	A	A	+	60	+	150/80	Tr.	—	6¼ and 7¼	Surg. ind. A.R.M. Second-stage delay.	
3566	30	6	39	39	Spontaneous	A	A	+	+	—	180/120	—	—	—		
3569	26	1	38	39	Manual	A	SB	—	—	—	150/100	—	—	—	Breech.	
3570	29	1	40	40	Forceps	A	A	+	+	—	150/100	—	—	7½	R.O.P.	
3575	22	1	40	40	Spontaneous	A	A	+	+	—	135/85	—	—	7		
3587	30	1	41	41	Cæs. section	A	A	—	—	—	145/75	—	—	7¼	C.P. D.C. 4½ ins.	

Reg No.	Age.	Parity.	Maturity on Admission, wks	Maturity at Delivery,* wks	Mode of Delivery.	Mother Alive or Died.	Child.		Symptoms and Duration in Days.				Highest Blood Pressure	Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
							Alive, Still-born.	or Died.	Oedema.	Headache.	Eye.	Abdomen.					
3604	29	1	40	40	Spontaneous	A	A	A	+	-	-	140/90	-	-	-	7	
3620	22	1	34	35	Spontaneous	A	A	30	-	-	-	150/80	-	-	-	-	
3625	22	1	40	40	Spontaneous	A	SB	-	+	-	-	165/90	-	-	-	7	
3648	42	3	38	38	Cæs. section	A	A	60	+	-	-	156/90	Tr.	-	-	7½	Disproportion.
3685	26	4	40	40	Manual	A	A	-	-	-	-	155/90	-	-	-	10½	Breech.
3694	22	1	39	39	Spontaneous	A	A	+	-	+	-	135/90	-	-	-	5½	
3699	35	4	37	39	Spontaneous	A	A	-	+	+	-	150/100	Tr.	-	-	6¼	Surg. ind. A.R.M.
3708	27	1	37	39	Cæs. section	A	A	60	+	+	-	170/115	-	-	-	6½	
3710	39	4	40	40	Spontaneous	A	A	30	-	-	-	130/100	Tr.	-	-	7¾	Placenta prævia (partial).
3718	30	3	39	41	Cæs. section	A	D	-	-	-	-	160/100	-	-	-	8	C.P. D.C. 4 ins.
3723	26	3	39	39	Spontaneous	A	A	14	+	-	-	138/90	-	-	-	8¼	
3725	45	7	27	28	Complete abortion	A	-	-	-	+	-	210/140	Tr.	-	-	-	
3732	37	2	36	36	Spontaneous	A	D and A	60	+	-	-	135/90	Tr.	-	-	5¼ and 4½	Surg. ind. A.R.M. Twins: (1) Vertex; (2) Vertex.
3744	26	1	40	40	Forceps	A	A	-	-	-	-	150/100	-	-	-	7	F.F.O. R.O.P.
3750	26	1	24	24	Complete abortion	A	-	30	-	-	-	190/120	-	-	-	-	
3763	26	1	40	40	Forceps	A	A	30	+	+	-	148/110	Tr.	-	-	6¾	Surg. ind. A.R.M. Second-stage delay.
3764	18	1	40	40	Manual	D	A	-	-	-	-	155/120	-	-	-	7½	Breech. Obstetric shock. (See under deaths.)
3770	35	2	39	40	Spontaneous	A	A	+	-	-	-	135/90	½	-	-	6	Breech. Ext. version.
3776	34	3	36	39	Spontaneous	A	A	14	+	+	-	130/75	-	-	-	7½	

Reg. No.	Age	Parity.	Maturity on Admission.	Maturity at Delivery.*	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child.	Oedema.	Headache.	Eye.	Abdomen.					
3788	38	8	37	38	Spontaneous	A	A	+	-	-	-	3½	-	5 and 4½	Surg. ind. V. and V.	Twins: A.R.M.
3793	23	1	40	40	Spontaneous	A	A	60	-	-	-	Tr.	-	6		
3798	31	2	39	40	Spontaneous	A	A	+	-	-	-	-	-	7½	Surg. ind.	A.R.M.
3817	32	1	39	39	Spontaneous	A	A	14	+	-	-	-	P	8¾	Mastitis.	
3819	37	9	30	30	Cæs. section	A	A	60	+	+	-	Tr.	-	-	Placenta prævia.	
3844	37	2	39	39	Spontaneous	A	A	+	-	-	-	-	-	8		
3851	28	1	36	37	Spontaneous	A	A	30	+	-	-	2½	-	7½	Surg. ind.	A.R.M.
{ 3852	36	1	30	31	Undelivered	A	-	-	-	-	-	-	-	6½	Cervical fibroid.	
{ 4049	-	-	40	40	Forceps	A	A	-	-	-	-	-	-	6¾	Second-stage delay.	
3872	23	1	40	40	Spontaneous	A	A	+	-	-	-	-	-	3	Face presentation.	
3883	28	5	29	30	Spontaneous	A	D	+	+	-	-	7	-	3	Surg. ind.	A.R.M.
3897	37	1	38	39	Spontaneous	A	A	3	-	-	-	Tr.	-	6		
3902	33	7	38	39	Spontaneous	A	A	14	-	-	-	-	-	9	Diabetes.	Surg. ind. A.R.M.
3908	27	6	8	8	Abortion	A	-	+	-	-	-	-	-	10		
3912	25	2	40	40	Spontaneous	A	A	+	+	-	-	-	-	8¾		
3914	21	1	40	40	Spontaneous	A	A	+	+	-	-	-	-	-		
{ 3917	41	3	38	38	Undelivered	A	-	-	-	-	-	-	-	-		
{ 4260	-	-	40	40	Spontaneous	A	A	+	+	-	-	Tr.	-	-	Surg. ind.	A.R.M.
3920	36	3	34	36	Undelivered	A	-	+	+	-	-	-	-	-		
3927	29	1	31	36	Cæs. section	A	A	+	14	+	-	2	-	5½		
3933	43	9	40	40	Forceps	A	SB	+	2	-	-	Tr.	-	9	Second-stage delay.	
3965	25	1	37	40	Undelivered	A	-	14	-	-	-	Tr.	-	-	Irreg. dism.	

Reg No.	Age.	Party.	Maturity on Admision. wks	Maturity at Delivery.* wks	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Parts per 1,000	Pyrexia or Sepsis.	Weight of Child lbs.	Remarks.
						Alive or Died.	Child Alive, Still-born	Oedema.	Headache.	Eye.	Abdomen.					
3979	22	1	32	33	Manual	A	SB	+	-	-	-	135/95	-	-	-	Breech. Perf. a.c. head.
3980	28	1	40	40	Manual	A	A	+	-	-	-	138/95	Tr.	-	-	Spina bifida.
3984	32	1	35	38	Spontaneous	A	A	+	+	+	+	160/120	2½	-	5½	C.P. D.C. 4½ ins. Breech.
3988	29	1	30	31	Spontaneous	A	A	+	+	+	+	180/120	6	-	4½	Surg. ind. A.R.M.
{ 4004	29	1	36	36	Undelivered	A	-	-	-	-	-	160/80	Tr.	-	-	C.P. D.C. 4½ ins.
{ 4041	-	-	38	38	Forceps	A	A	-	-	-	-	150/90	-	-	6½	C.P. D.C. 4½ ins.
{ 4012	31	4	22	22	Abdominal hysterotomy	A	-	+	+	+	+	250/150	Tr.	-	-	Surg. ind. A.R.M.
4057	41	9	32	39	Spontaneous	A	A	+	+	+	+	190/120	Tr.	-	5	Surg. ind. A.R.M.
4069	26	4	38	40	Spontaneous	A	A	+	+	+	+	160/110	Tr.	-	8½	Surg. ind. A.R.M.
4071	22	1	36	37	Forceps	A	D	+	+	+	+	170/120	24	-	5	Surg. ind. A.R.M. O.P.
4074	24	2	30	30	Undelivered	A	-	-	-	-	-	155/90	-	-	-	Surg. ind. A.R.M.
4104	33	4	30	31	Spontaneous	A	A	-	+	+	+	190/130	12	-	4¾	Surg. ind. A.R.M.
4114	41	13	32	33	Spontaneous	A	A	+	+	+	+	184/115	4	-	6	Surg. ind. A.R.M.
4130	30	3	40	40	Forceps	A	A	-	-	-	-	170/110	Tr.	-	9½	C.P. D.C. 4¾ ins.
4142	34	4	32	35	Undelivered	A	-	+	+	+	+	176/132	1	-	-	Surg. ind. A.R.M.
4148	34	4	31	33	Spontaneous	A	SB	+	+	+	+	200/110	14	-	2½	Surg. ind. A.R.M.
4149	21	1	40	40	Spontaneous	A	A	+	+	+	+	150/110	3½	-	7	Surg. ind. A.R.M.
4150	32	1	27	28	Spontaneous	A	D	+	+	+	+	200/110	14	-	3½	Surg. ind. A.R.M.
4156	37	5	38	38	Forceps	A	SB	+	+	+	+	170/110	-	-	8	Second-stage delay.
4161	38	4	37	38	Manual	A	SB	+	+	+	+	150/100	Tr.	-	11	Impacted shoulders.
4164	29	1	36	36	Spontaneous	A	A	+	+	+	+	160/90	-	-	5	

Reg No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure	Esbach Parts per 1,000	Pyrexia or Sepsis.	Weight of Child.	Remarks.
						Alive or Died.	Child, Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.					
4108	26	1	34	37	Spontaneous	A	A	+	-	-	-	140/80	Tr.	-	7½	Surg. ind. A.R.M.
4185	25	1	36	37	Forceps	A	A	+	-	-	-	160/100	Tr.	-	5¼	C.P. D.C. 4¼ ins.
4186	38	3	36	38	Spontaneous	A	A	-	-	-	-	165/90	Tr.	-	5½	R.O.P. Manual rotation. Face presentation. Surg. ind. A.R.M. Second-stage delay. Breech. Failed version. Second-stage delay.
4196	25	1	40	40	Spontaneous	A	A	-	-	-	-	160/100	-	7		
4249	32	1	40	40	Forceps	A	A	-	-	-	-	150/100	Tr.	7		
4287	30	6	40	40	Spontaneous	A	A	+	-	-	-	145/90	Tr.	-		
4306	37	1	40	40	Forceps	A	A	-	-	-	-	150/90	Tr.	7		
4310	21	1	39	39	Manual	A	SB	-	-	-	-	170/110	Tr.	-	5½	
4321	25	1	40	40	Forceps	A	A	+	-	-	-	175/120	1	-	7	
4326	22	1	35	35	Spontaneous	A	A	+	-	-	-	190/135	Tr.	-	6¾	Surg. ind. A.R.M.
4354	23	1	40	40	Spontaneous	A	A	+	-	-	-	150/100	-	-	5	
4365	32	1	32	36	Manual	D	A and	+	-	-	-	175/110	1	P	5½ and 5½	Twins: Br. and Br. Pyrexia (due to pneumonia). (See under deaths.)
4370	19	1	36	38	Spontaneous	A	A	+	-	-	-	175/100	1	-	7¼	Breech. Ext. version. Repeat section. Second-stage delay. Pyrexia. Pyelitis. Surg. ind. A.R.M. Twins: (1) R.O.P. Manual rotation; (2) Breech. Surg. ind. A.R.M. Second-stage delay. Irreg. dismissal.
4384	22	3	40	40	Spontaneous	A	D	+	-	-	-	170/100	-	-	7¼	
4394	30	6	40	40	Spontaneous	A	A	+	+	-	-	140/90	-	-	7½	
4401	31	2	33	35	Undelivered	A	-	-	-	-	-	150/90	-	-	-	
4434	39	5	39	40	Cæs. section	A	A	-	-	-	-	150/95	Tr.	-	-	
4446	24	1	40	40	Forceps	A	A	+	+	-	-	140/90	Tr.	P	8½	
4458	24	1	37	38	Forceps and manual	A	A and	+	+	-	-	150/100	2	-	7 and 5	
4496	26	1	40	40	Forceps	A	A	+	-	-	-	170/78	20	-	6½	
4497	34	4	36	37	Undelivered	A	-	+	+	-	-	148/100	Tr.	-	-	

2.—ECLAMPSIA.

There were 38 cases of eclampsia during the year, 26 of which were primiparæ and 12 were multiparæ. Twins were noted in 2 cases. Four cases had been under ante-natal supervision at the hospital clinic. There were 5 maternal deaths (13.5 per cent.). Sepsis was noted in one case and pyrexia in five cases. Twenty-eight infants were born alive, and of these 4 died. There were 7 still-births.

A.—Cases under Ante-natal Supervision at Hospital Clinic.

Under Symptoms the word EYE refers to Visual Disturbance and ABDOMEN to Epigastric Pain.

Reg. No.	Age	Parity.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Child.	Symptoms and Duration in Days.				Highest Blood Pressure.	Parts per 1,000 Esbach.	Pyrexia or Sepsis.	Weight of Child lbs.	Type *	No. of Fits.	Remarks.
						Alive or Died.	Alive or Still-born.		Oedema.	Headache.	Eye.	Abdomen.							
274	29	1	37	37	Spontaneous	A	A	A	+	+	-	200/130	6	-	5½	A	1		
841	19	1	40	40	Forceps	A	A	A	7	-	-	164/112	1	P	7	P	1	P.U.O. Second-stage delay.	
978	19	1	40	40	Forceps	A	A	A	21	-	-	150/100	-	-	8	P	2	Second-stage delay.	
1193	37	1	28	29	Spontaneous	A	SB	SB	14	-	-	172/108	10	-	2	A	1	Surg. ind. A.R.M.	

B.—Others.

1	22	1	40	40	Spontaneous	A	A	A	+	+	-	180/100	10	-	6½	A	1	
183	34	1	34	35	Spontaneous	A	SB	SB	7	+	-	174/120	16	-	5	A	3	Surg. ind. A.R.M.
287	17	1	38	38	Forceps	A	A	A	2	-	-	160/120	16	-	4¾	A	4	Second-stage delay.

\* A = Ante-partum.

I = Intra-partum.

P = Post-partum.

Reg No.	Age	Parity.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Parts per 1,000	Pyrexia or Sepsis.	Weight of Child	Type *	No. of Fits.	Remarks.
						Alive or Died.	Child Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.							
331	17	1	40	40	Forceps -	A	A	+	-	-	-	160/110	2	P	7½	I	5	Second-stage delay. P.U.O.
381	34	1	37	38	Spontaneous -	A	A	+	+	-	-	204/108	6	-	5	P	6	Surg. ind. A.R.M.
829	24	3	33	33	Spontaneous -	A	D	+	+	-	-	190/120	4	-	2½	A	2	
938	21	1	40	40	Spontaneous -	A	A	+	60	-	-	190/118	Tr.	-	7½	P	12	
968	18	1	39	39	Forceps -	A	A	-	-	+	-	135/100	Tr.	P	9	I	5	Second-stage delay. Pyrexia (respiratory)
1244	22	1	30	35	Spontaneous -	A	D	+	-	-	-	180/140	7	-	2½	P	1	
1420	28	1	40	40	Forceps -	A	A	+	28	-	-	220/110	12	-	-	I	1	Second-stage delay.
1460	28	2	-	39	B.B.O. Spont.	D	A and A	+	60	-	-	170/90	5	S	-	P	4	Twins. Septic pericarditis and septic endometritis. (See under deaths.)
1565	28	2	37	37	Spontaneous -	A	SB	+	30	+	7	135/95	4	-	7	I and P	3	
1590	41	8	-	40	B.B.O. Spont.	A	-	-	-	+	14	180/95	6	-	-	P	1	
1756	21	1	-	38	B.B.O. -	A	-	+	-	+	-	174/110	4½	-	-	P	3	
1836	25	1	38	38	Manual -	A	A	+	+	-	-	160/100	Tr.	-	-	I	2	Breech.
1872	27	1	40	40	Forceps -	A	A	+	14	-	-	175/110	5	-	6	A	3	Second-stage delay.
1879	20	1	40	40	Forceps -	A	A	+	14	-	-	230/115	2½	-	8	I	4	Cerebral hæmorrhage. (See under deaths.)
2123	25	2	27	27	Undelivered -	D	-	+	-	+	+	192/130	Tr.	-	-	A	4	

Reg. No.	Age.	Partly.	Maturity on Admission.	Maturity at Delivery.	Mode of Delivery.	Mother		Symptoms and Duration in Days.				Highest Blood Pressure.	Parts per 1,000 Esbach.	Pyrexia or Sepsis.	Weight of Child lbs.	Type.	No. of Fits.	Remarks.
						Alive or Died.	Child. Alive, Still-born or Died.	Oedema.	Headache.	Eye.	Abdomen.							
2155	23	2	32	33	Spontaneous	A	SB	+	+	-	-	145/100	8	-	3½	A	-	Surg. ind. A.R.M. Repeated fits. Delayed chloroform poisoning.
2166	25	3	40	40	Spontaneous	A	A	+	-	-	-	170/120	3	P	9¾	A and I	4	
2388	24	1	38	38	Manual	A	A	+	-	-	-	165/110	12	-	5½	I	7	Breech.
2718	19	1	-	40	B.B.O.	A	A	+	-	-	-	200/100	1	-	-	P	5	
2734	29	2	40	40	Spontaneous	A	A	+	+	-	-	240/130	8	-	-	I	3	
3136	30	1	40	40	Forceps, forceps	D	SB and SB	+	2	1	-	170/110	2	P	-	A	1	Twins: (1) Vertex; (2) Vertex. Surg. ind. A.R.M. Perforated duodenal ulcer. (See under deaths.) Cerebral hæmorrhage. (See under deaths.) P.O.P. Manual rotation. R.O.P.
3316	43	1	36	-	Undelivered	D	-	+	1	+	-	200/110	-	-	-	A	5	
3525	34	2	40	40	Forceps	A	A	+	+	-	-	180/80	16	-	6¾	I	1	
3560	18	1	40	40	Forceps	A	A	+	-	-	-	165/120	4	-	-	A	1	
3734	24	1	40	40	Spontaneous	A	A	+	-	-	-	180/140	5	-	5½	A	1	
3847	28	2	40	40	Forceps	A	A	+	-	-	-	170/110	12	-	7¾	A	4	Second-stage delay.
3853	21	1	36	36	Spontaneous	A	A	-	-	-	-	166/108	½	-	7¼	A	3	
3858	38	4	30	30	Undelivered	D	-	+	-	-	-	210/140	Tr.	-	-	A	14	(See under deaths.) Second-stage delay.
3926	24	1	40	40	Forceps	A	SB	+	5	-	-	180/80	1	-	8¼	A	2	
4095	25	1	39	40	Spontaneous	A	D	-	+	-	-	155/90	1	-	3¼	A	10	Surg. ind. A.R.M.
4165	20	3	40	40	Spontaneous	A	D	+	1	-	-	140/110	2	-	4¾	A	1	Surg. ind. A.R.M.

## 3.—HYPEREMESIS GRAVIDARUM.

There were 80 cases of hyperemesis gravidarum admitted during the year and of these 28 were primigravidæ and 52 were multiparæ; 5 cases, all mild, had been under ante-natal supervision before admission. Thirty-eight of the cases were mild, 31 moderately severe, and 11 severe.

Of the 38 mild cases 14 were primigravidæ and 24 multiparæ. No cases were readmitted on account of sickness. Four cases were readmitted, one on two occasions because of hypertensive toxæmia. Classical cæsarean section was performed in one case at term because of contracted pelvis, and the other two cases were spontaneous deliveries, one of twins.

In two cases spontaneous abortion occurred, curettage being performed in one case afterwards. One case was complicated with ectopic pregnancy, which necessitated salpingo-oophorectomy, and one case was complicated with tape-worm.

Of the 31 moderate cases, 9 were primigravidæ and 22 multiparæ. There were two readmissions, one because of sickness and one in labour. Two cases had spontaneous abortions and were curetted afterwards. Retroverted gravid uterus was noted in two cases, one of which later aborted and was curetted.

Of the 11 severe cases, 5 were primigravidæ and 6 multiparæ. Three cases were readmitted, two because of sickness and one with placenta prævia. Pregnancy was terminated in one case by abdominal hysterotomy and in one case by vaginal hysterotomy.

## 4.—LATE VOMITING.

There were 27 cases of late vomiting admitted during the year; 5 were primigravidæ and 22 were multiparæ.

In the severe group (6 cases) there was one case of surgical induction of labour. In the moderate group (8 cases) there were two cases of surgical induction of labour. In the mild group (13 cases) there were no cases where labour was induced. There were no maternal deaths. One infant was still-born and 5 were born alive, though one died later.

In the moderate group 4 cases were undelivered and in the other four the infants were born alive and were dismissed well. In the mild group there was 1 still-born infant, 6 were born alive and dismissed well and 6 were undelivered.

#### 5.—PYELITIS AND PYELONEPHRITIS.

There were 100 cases of pyelitis and 5 cases of pyelonephritis admitted during the year. The following table shows the types in primigravidæ and multiparæ and whether they had ante-natal supervision at the hospital clinic or not :—

#### *Pyelitis.*

	Delivered.	Undelivered.	Acute.	Mild.
Primigravidæ (A) -	4	9	12	1
(B) -	6	32	15	23
Multiparæ (A) -	3	9	11	1
(B) -	11	26	21	16

Labour was induced surgically in 7 cases. Pregnancy was terminated in one case by abdominal hysterotomy at ten weeks because of chronic pyelitis and general debility. One case was terminated by cæsarean section as surgical induction failed and the maternal condition was deteriorating rapidly.

Four of the five cases of pyelonephritis were fatal. All the fatal cases were in primigravidæ. One case died with broncho-pneumonia following delivery by perforation and traction (No. 193). One case died with peritonitis following a forceps delivery (No. 3191). One case died with an abscess in the right kidney following a miscarriage at eleven weeks (No. 3556). One case died following a forceps delivery in a generally contracted pelvis (No. 3565). The fifth case was a para 3, with a history of pyelitis in her previous pregnancies. Pregnancy was terminated at fourteen weeks by abdominal hysterotomy and sterilisation because of recurrent pyelitis and general debility.

“ FAILED FORCEPS ” CASES.

During the year 1939, 31 cases were admitted after failure to deliver by forceps. Of this total 17 (54.9 per cent.) were primiparæ and 14 (45.1 per cent.) were multiparæ. There were 3 maternal deaths. One died from acute sepsis following delivery, one case of ruptured uterus died under anæsthesia, and one died from delayed obstetric shock (*see* Nos. 2611, 3262 and 4139 *under deaths*). There were 3 cases of puerperal sepsis and 3 cases of pyrexia.

Of the infants born 13, or 43.3 per cent., were born alive and 17, or 56.6 per cent., were still-born. There were no infantile deaths. One case was undelivered. In the cases where still-birth occurred destructive operations on the foetus were performed on 6 occasions. In 15 cases the cervix was not fully dilated on admission. Occipito-posterior position was noted in 7 cases and contracted pelvis in 4 cases.

Reg. No.	Age.	Parity.	Maturity on Admission.	Duration of Labour.	Weight of Child.	Mode of Delivery.	Result.		Dilatation of Os.	Diagonal Conjugate ins.	Occipito-posterior.	Pyrexia or Sepsis.	Delivered after Admission.	Remarks.
							M.	Ch.						
33	26	2	40	55	7½	Forceps	A	A	½ Full	-	-	-	26	Cord prolapsed and pulseless on admission.
65	37	4	43	18	11	Perforation and manual	A	SB	Full	-	-	-	3	
325	18	1	40	32	8	Spontaneous	A	A	Full	-	-	-	1	Manual rotation. P.U.O.
357	24	3	40	33	8½	Forceps	A	A	Full	+	-	-	3½	
363	27	2	41	16	8½	Forceps	A	SB	¾	4¼	-	-	21	
{ 420	28	1	29	-	-	-	A	-	-	-	-	-	-	Head in transverse. Manual rotation. High forceps. P.U.O. Influenzal lobar pneumonia. Prolapsed cord. Blood transfusion. Prolapsed cord. Manual rotation. Mild sepsis.
1492	-	-	40	34	8½	Forceps	A	A	Full	-	-	-	7¾	
496	18	1	40	48	8½	Forceps	A	A	¾	4¼	-	P	5	
833	24	1	40	31	7¼	Forceps	A	SB	Full	-	-	P	4	
1576	41	8	39	60	11	Spontaneous	A	SB	¾	-	-	-	4½	
1687	18	1	40	16	10½	Forceps	A	SB	Full	-	-	-	2	
1765	31	1	40	41	6	Forceps	A	A	Full	-	+	-	27	
1954	36	8	40	24	8½	Craniotomy.	A	SB	Full	-	-	S	6	

Reg. No.	Age.	Partly.	Maturity on Admission.	Duration of Labour.	Weight of Child.	Mode of Delivery.	Result.		Dilatation of Os.	Diagonal Conjugate	Occipito-posterior.	Pyrexia or Sepsis	Delivered after Admission.	Remarks.
							M.	Ch.						
2094	33	5	44	37	13	Forceps	A	SB	$\frac{1}{2}$ Full	-	-	22 $\frac{1}{2}$	Cleidotomy. Macerated foetus.	
2163	25	1	42	48	9 $\frac{1}{4}$	Forceps	A	A	Full	-	-	27	Moulding suggests previous occipito-posterior.	
2258	20	1	40	23	9 $\frac{1}{4}$	Forceps	A	A	Full	-	-	1		
2509	28	1	40	74	8	Forceps	A	SB	$\frac{3}{4}$	-	-	9	Brow presentation. Converted to mento-anterior.	
2521	29	2	40	80	9 $\frac{1}{2}$	Perforation and traction	A	SB	Full	-	+	6	Manual rotation.	
2611	34	1	44	84	8 $\frac{1}{2}$	Perforation and traction	D	SB	$\frac{3}{4}$	4 $\frac{1}{4}$	-	50	Septic endometritis. (See under deaths.)	
2684	35	5	43	58	7 $\frac{1}{2}$	Craniotomy.	A	SB	$\frac{1}{2}$	-	-	45	Vesico vaginal fistula.	
2784	38	2	42	27	8 $\frac{1}{4}$	Forceps	A	A	$\frac{3}{4}$	-	-	17		
2798	25	1	40	132	8	Forceps	A	SB	$\frac{3}{4}$	4 $\frac{3}{8}$	-	22	Vesico vaginal fistula.	
2831	43	6	40	16	10	Manual	A	SB	$\frac{3}{4}$	-	-	13	Head delivered spont. Impacted shoulders.	
2873	32	1	40	35	8 $\frac{3}{4}$	Forceps	A	SB	Full	-	+	25	Manual rotation.	
3008	24	1	37	27	7 $\frac{1}{2}$	Forceps	A	SB	$\frac{3}{4}$	-	-	13 $\frac{1}{2}$		
3242	34	4	40	72	7 $\frac{1}{2}$	Spontaneous	A	SB	$\frac{1}{2}$	-	-	23	No foetal heart on admission.	
3262	44	13	40	12	-	Undelivered	D	-	-	-	-	-	Died under anaesthesia. (See under deaths.)	
3539	31	1	40	22	6	Forceps	A	A	Full	-	-	1		
3744	26	1	40	96	7	Forceps	A	A	Full	-	-	3		
4096	32	1	40	84	8 $\frac{1}{2}$	Perforation and traction	A	SB	$\frac{3}{4}$	4	+	24	Manual rotation.	
4139	27	3	40	18	9 $\frac{1}{4}$	Caes. section	D	A	$\frac{3}{4}$	-	+	3	Imminent rupture of uterus. L.U.S. section. (See under deaths.)	
4213	27	1	40	21	7 $\frac{1}{4}$	Forceps	A	A	Full	-	-	2 $\frac{1}{2}$		

## HEART DISEASE.

One hundred and fourteen cases of heart disease were admitted during 1939. Of these, 49 had been under ante-natal supervision at the hospital clinic. There were 7 maternal deaths. Three cases died undelivered (*see* Nos. 405, 1014, 1771 *under deaths*). Two cases died following spontaneous delivery and 2 following forceps delivery. There were 4 still-births and 5 infantile deaths. There were 6 cases of notifiable pyrexia, giving a pyrexia rate of 5.9 per cent. of cases delivered. In 65 cases (57.0 per cent.) there was a history of acute rheumatism.

*Tables showing type of cardiac lesion, mode of delivery, and results.*

*Category A (Total, 49).*

Mode of Delivery.	Type of Lesion.				Results.					Previous Acute Rheumatism.	Pyrexia.	Sepsis.
	Mitral.	Myocarditis.	Mitral and Aortic.	Total.	Mother.		Child.					
					A.	D.	A.	S.B.	D.			
Spontaneous - - -	34	5	—	39	39	—	38	—	1	26	1	—
Cæsarean section - - -	1	—	—	1	1	—	1	—	—	1	—	—
Forceps - - - - -	3	—	—	3	3	—	3	—	—	1	—	—
Hysterotomy - - -	1	—	—	1	1	—	—	—	—	1	—	—
Abortion - - - - -	1	—	1	2	2	—	—	—	—	1	—	—
Undelivered - - -	2	1	—	3	3	—	—	—	—	—	—	—
Totals - - - - -	42	6	1	49	49	—	42	—	1	30	1	—

## Category B (Total, 65).

Mode of Delivery.	Type of Lesion.				Results.					Previous Acute Rheumatism.	Pyrexia.	Sepsis.
	Mitral.	Myocarditis.	Mitral and Aortic.	Total.	Mother.		Child.					
					A.	D.	A.	S.B.	D.			
Spontaneous - - -	28	7	1	36	34	2	31	2	3	18	2	—
Cæsarean section - - -	3	—	—	3	3	—	3	—	—	2	1	—
Forceps - - - - -	10	2	—	12	10	2	10	1	1	6	2	—
Hysterotomy - - - -	2	—	—	2	2	—	—	—	—	2	—	—
Abortion - - - - -	1	—	—	1	1	—	—	—	—	—	—	—
Manual breech - - - -	1	—	1	2	2	—	1	1	—	—	—	—
Undelivered - - - -	8	1	—	9	6	3	—	—	—	7	—	—
<b>Totals - - - - -</b>	<b>53</b>	<b>10</b>	<b>2</b>	<b>65</b>	<b>58</b>	<b>7</b>	<b>45</b>	<b>4</b>	<b>4</b>	<b>35</b>	<b>5</b>	<b>—</b>

## Categories A and B. (Total, 114).

Spontaneous - - - -	62	12	1	75	73	2	69	2	4	44	3	—
Cæsarean section - - -	4	—	—	4	4	—	4	—	—	3	1	—
Forceps - - - - -	13	2	—	15	13	2	13	1	1	7	2	—
Hysterotomy - - - -	3	—	—	3	3	—	—	—	—	3	—	—
Abortion - - - - -	2	—	1	3	3	—	—	—	—	1	—	—
Manual breech - - - -	1	—	1	2	2	—	1	1	—	—	—	—
Undelivered - - - -	10	2	—	12	9	3	—	—	—	7	—	—
<b>Totals - - - - -</b>	<b>95</b>	<b>16</b>	<b>3</b>	<b>114</b>	<b>107</b>	<b>7</b>	<b>87</b>	<b>4</b>	<b>5</b>	<b>65</b>	<b>6</b>	<b>—</b>

## HEART DISEASE.

## A—Cases under Ante-natal Supervision at Hospital Clinic.

Reg. No.	Age.	Parity	Maturity on Admission wks.	Maturity at Delivery or Dismissal. wks.	Type	Dyspnoea	Orthopnoea	Mode of Delivery.	Result		Previous Acute Rheumatism	Pyrexia or Sepsis	Remarks
									M	Ch			
2	24	4	34	34	M	+	-	Spontaneous	A	A	-	-	Low forceps delivery on account of foetal distress.
48	23	1	39	39	M	-	-	Forceps	A	A	+	-	
158	29	1	34	38	M	-	-	Spontaneous	A	D	+	-	Surg. ind. A.R.M.
205	32	4	12	13	M	+	-	Hysterotomy	A	-	+	-	
306	37	6	37	39	M	+	+	Spontaneous	A	A	+	-	Myocarditis.
365	40	13	33	35	-	-	-	Undelivered	A	-	-	-	
488	18	1	40	40	M	-	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M.
706	32	4	37	39	M	+	-	Spontaneous	A	A	+	-	
827	27	1	40	40	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Sl. C.P. D.C. 4½ ins. Admitted in labour. Irreg. dismissal. Thr. abortion.
955	24	1	42	42	M	+	-	Spontaneous	A	A	-	-	
1104	35	3	40	40	M	+	+	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Sl. C.P. D.C. 4½ ins. Admitted in labour. Irreg. dismissal. Thr. abortion.
1116	38	1	38	38	M	+	-	Spontaneous	A	A	+	-	
1194	42	1	38	38	M	+	-	Forceps	A	A	-	-	Surg. ind. A.R.M. Sl. C.P. D.C. 4½ ins. Admitted in labour. Irreg. dismissal. Thr. abortion.
1203	18	1	40	40	M	+	-	Spontaneous	A	A	-	-	
1303	39	7	24	32	M and A	+	-	Undelivered	A	-	-	-	Admitted in labour.
1317	23	1	39	39	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Also hypertensive toxæmia.
1537	28	2	40	40	M	-	-	Spontaneous	A	A	+	-	
1657	33	5	38	38	M	+	-	Spontaneous	A	A	+	-	Admitted in labour.
1758	25	1	39	39	M	-	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Also hypertensive toxæmia.
1769	37	4	41	41	M	-	-	Spontaneous	A	A	+	-	
1819	31	2	39	39	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Also hypertensive toxæmia.
1821	30	2	37	37	M	-	-	Spontaneous	A	A	+	-	

Reg. No.	Age.	Parity	Maturity on Admission wks.	Maturity at Delivery or Dismissal. wks.	Type	Dyspnoea	Orthopnoea	Mode of Delivery	Result		Previous Acute Rheumatism	Pyrexia or Sepsis	Remarks
									M	Ch			
1909	19	1	40	40	M	-	-	Spontaneous	A	A	+	-	Admitted early in labour.
1963	39	8	37	37	M	+	-	Spontaneous	A	A	+	-	Admitted in labour.
{ 2208	32	8	30	31	M	-	-	-	A	-	+	-	Admitted in labour.
{ 3296	-	-	40	40	M	-	-	Spontaneous	A	A	+	-	Admitted in labour.
2305	39	7	38	38	M	+	-	Spontaneous	A	A	-	-	Myocarditis. Surg. ind. A.R.M. Anæmia.
2331	32	5	40	40	-	-	-	Spontaneous	A	A	+	P	Continuous drip blood transfusion. Medical induction.
2341	31	3	38	40	M	+	-	Spontaneous	A	A	-	-	
2375	20	1	39	40	M	-	-	Spontaneous	A	A	-	-	
2716	28	5	24	26	M	+	-	Miscarriage	A	-	+	-	
{ 2737	27	4	35	37	M	+	-	-	A	-	-	-	
{ 3075	-	-	36	38	M	+	+	Undelivered	A	-	-	-	
2757	27	4	37	40	M	+	-	Spontaneous	A	A	-	-	Myocarditis. Admitted in labour.
2872	39	3	40	40	-	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M.
3034	27	2	39	40	M	+	-	Spontaneous	A	A	+	-	Irreg. dismissal.
3036	29	7	28	29	M	+	-	Undelivered	A	-	-	-	
3041	25	1	38	40	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Forceps delivery on Med. induction.
3072	30	2	35	38	M	+	-	Spontaneous	A	A	+	-	account of maternal distress.
3159	38	1	39	40	M	-	-	Forceps	A	A	-	-	Admitted in labour.
3163	20	1	40	40	M	+	-	Spontaneous	A	A	+	-	Admitted in labour.
3186	34	3	40	40	M	+	-	Spontaneous	A	A	-	-	Admitted in labour.
3256	26	3	39	42	-	+	-	Spontaneous	A	A	+	-	Myocarditis. Surg. ind. A.R.M.
3278	37	8	38	40	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M.
3344	22	1	40	40	M	-	-	Spontaneous	A	A	-	-	Ext. acc. hæm.
{ 3382	35	5	24	25	-	-	-	-	A	-	-	-	Myocarditis.
{ 4053	-	-	34	37	-	+	-	Spontaneous	A	A	+	-	Myocarditis. Surg. ind. A.R.M.
3471	28	2	40	40	M	+	+	Spontaneous	A	A	-	-	Admitted in labour.
3510	36	3	38	40	M	+	-	Cæs. section	A	A	+	-	Spinal anaesthetic.
3843	21	2	40	40	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M.
4162	36	7	40	40	M	-	-	Spontaneous	A	A	-	-	Admitted in labour.
4264	36	2	38	40	-	-	-	Spontaneous	A	A	-	-	Myocarditis. C.P. Surg. ind. A.R.M.

## B.—Others.

Reg. No.	Age.	Parity	Maturity or wks.	Maturity at Delivery or Dismissal. wks.	Type	Dyspnoea.	Orthopnoea	Mode of Delivery	Result		Previous Acute Rheumatism	Pyrexia or Sepsis	Remarks
									M	Ch			
33	26	2	40	40	M	+	-	Forceps	A	A	+	-	F.F.O.
53	38	5	20	23	M	+	-	—	A	-	+	-	Spinal anaesthetic.
980	—	—	30	36	M	+	+	Cæs. section	A	A	+	-	Admitted in labour. (See under deaths.)
76	28	1	15	17	M	+	-	—	A	-	+	-	Myocarditis.
780	—	—	23	30	M	-	-	—	A	-	+	-	Admitted in labour.
1776	—	—	34	34	M	+	+	Forceps	D	SB	+	-	Dysentery (flexner).
199	34	1	34	35	M	+	+	Forceps	A	A	+	-	Chloroform anaesthesia.
208	26	2	35	35	M	+	+	Spontaneous	A	D	+	-	Acute pulmonary oedema and acute endocarditis. (See under deaths.)
401	41	5	16	18	M	+	-	—	A	-	+	-	Dysentery (flexner).
877	—	—	22	30	M	+	-	Undelivered	A	-	+	-	Chloroform anaesthesia.
402	38	10	30	36	M	-	-	Cæs. section	A	A	+	-	Acute pulmonary oedema and acute endocarditis. (See under deaths.)
405	19	1	36	38	M	+	-	Undelivered	D	-	+	-	Surg. ind. A.R.M. Face presentation. Episiotomy.
524	30	3	24	26	M	+	+	—	A	-	+	-	Influenzal pneumonia.
1649	—	—	40	40	M	+	+	Spontaneous	A	A	+	-	Myocarditis.
563	27	1	20	40	M	+	-	Spontaneous	A	A	+	-	Myocarditis. Surg. ind. A.R.M.
700	28	4	36	36	M	+	-	Spontaneous	A	D	+	-	Surg. ind. A.R.M. Int. version.
783	30	4	28	30	M	-	-	Undelivered	A	-	-	-	Surg. ind. A.R.M. Face presentation. Episiotomy.
803	30	1	35	35	M	+	-	Spontaneous	A	A	-	-	Influenzal pneumonia.
844	28	6	27	31	M	+	-	—	A	-	-	-	Myocarditis.
1696	—	—	40	40	M	+	+	Spontaneous	A	A	-	-	Myocarditis. Surg. ind. A.R.M.
856	35	4	28	30	M	+	-	—	A	-	-	-	Surg. ind. A.R.M. Int. version.
1307	—	—	32	38	M	+	-	Manual	A	A	-	-	Surg. ind. A.R.M. Face presentation. Episiotomy.
911	32	1	23	25	M	+	-	—	A	-	-	-	Influenzal pneumonia.
1141	—	—	25	30	M	+	+	—	A	-	-	-	Myocarditis.
1790	—	—	32	38	M	+	+	Spontaneous	A	-	-	-	Myocarditis. Surg. ind. A.R.M.
947	27	1	36	36	M	+	+	Forceps	A	D	-	-	Surg. ind. A.R.M.
1324	—	—	40	40	M	-	-	Undelivered	A	-	-	-	Breech. Failed version.
959	24	1	20	24	M	-	-	Spontaneous	A	A	-	-	Admitted in labour.
2566	—	—	39	41	M	+	-	Forceps	A	A	-	-	Spinal anaesthetic.

Reg. No.	Age.	Parity	Maturity on Admission wks.	Maturity at Delivery or Dismissal. wks.	Type.	Dyspnoea	Orthopnoea	Mode of Delivery	Result		Previous Acute Rheumatism	Pyrexia or Sepsis	Remarks
									M	Ch			
1014	27	3	38	38	—	+	+	Undelivered	D	—	—	—	Mycocarditis. Twins: (1) B. B. O.; (2) Undelivered. (See under deaths.)
1033	45	6	40	41	M	+	—	Spontaneous	A	SB	—	—	Hypertensive toxæmia.
1062	24	2	40	40	M	+	—	Spontaneous	A	SB	+	—	Disproportion.
1253	36	2	35	40	—	—	—	Spontaneous	A	A	+	—	Mycocarditis. Hyp. toxæmia.
1431	39	11	40	40	M	—	—	Spontaneous	A	A	+	—	
1513	39	9	38	40	M	+	+	Spontaneous	A	A	—	—	
{ 1627	38	6	7	7	M	+	—	—	A	—	+	—	R.G.U. Pessary inserted.
{ 1728	—	—	8	8	M	+	—	D. and C.	A	—	—	—	Surg. ind. of abortion.
{ 1656	28	2	32	33	M	—	—	—	A	—	+	—	Late vomiting.
{ 2970	—	—	40	40	M	+	—	Spontaneous	A	A	+	—	Admitted in labour.
{ 1693	28	2	21	36	M	+	—	Cæs. section	A	A	+	P	Transferred to Royal Infirmary as appendicitis on nineteenth day of puerperium.
1771	28	1	32	32	M	—	—	Undelivered	D	—	—	—	See under deaths.
1920	34	2	37	37	M	+	—	Spontaneous	A	—	+	—	Admitted in labour.
1925	29	1	40	40	—	+	—	Forceps	A	A	—	—	Mycocarditis.
1966	23	1	33	40	M	+	—	Spontaneous	A	A	+	—	
1967	37	7	40	40	M	—	—	Spontaneous	A	A	+	—	Admitted in labour.
1986	26	1	40	40	M	—	—	Forceps	A	A	—	P	Hyp. toxæmia.
2224	37	9	40	40	M	—	—	Spontaneous	A	A	—	—	Admitted in labour.
2316	31	1	40	40	M	+	—	Forceps	A	A	+	—	R.O.P. Manual rotation.
{ 2486	22	1	—	—	M	—	—	—	A	—	+	—	Chorea.
{ 4349	—	—	40	40	M	—	—	Spontaneous	A	A	+	—	
2573	41	5	40	40	M	—	—	Spontaneous	A	A	+	—	Surg. ind. A.R.M.
2575	29	1	40	40	M	—	—	Spontaneous	A	A	+	—	
{ 2992	20	1	27	30	M	+	—	Forceps	A	A	—	—	
{ 3834	—	—	40	40	M	—	—	Spontaneous	A	A	—	—	
3108	26	2	31	40	—	+	—	Spontaneous	D	A	+	—	Auricular fibrillation. (See under deaths.)
3177	30	1	40	40	M	+	—	Forceps	A	A	—	—	P.U.O.
3372	31	1	39	39	M	+	—	Forceps	D	A	+	—	See under deaths.

Reg. No.	Age	Parity	Maturity on Admission wks.	Maturity at Delivery or Dismissal wks.	Type	Dyspnoea	Orthopnoea	Mode of Delivery.	Result		Previous Acute Rheumatism	Pyrexia or Sepsis	Remarks
									M	Ch			
3416	23	1	36	40	M	+	-	Spontaneous	A	A	-	-	Hyp. toxæmia.
3424	23	5	17	22	M	+	-	Hysterotomy	A	-	+	-	Sterilisation. Spinal anæsthetic.
3428	37	4	26	38	M	+	+	Spontaneous	A	A	-	-	Myocarditis. Surg. ind. A.R.M.
3436	35	2	36	40	M	+	-	Spontaneous	A	A	+	-	Transverse lie. Int. version.
3458	30	7	27	32	M	+	-	Spontaneous	A	A	+	-	Surg. ind. A.R.M. Breech.
3495	42	3	39	39	M	+	-	Spontaneous	A	D	-	-	Thr. abortion.
3503	27	1	40	40	M	+	-	Spontaneous	A	A	+	-	Hydrocephalus. Perf. of head.
3702	18	1	5	6	M	-	-	Undelivered	A	-	-	-	Myocarditis. Bronchitis.
3705	32	4	40	40	A	+	+	Manual	A	SB	-	-	Syphilis.
3790	41	5	40	40	-	+	-	Spontaneous	A	A	-	-	Surg. ind. A.R.M.
3896	35	1	37	38	A	-	-	Spontaneous	A	A	+	-	Myocarditis. Central placenta prævia.
3944	19	1	39	41	M	+	-	Forceps	A	A	-	-	Bipolar version.
3997	41	8	20	28	-	+	-	Spontaneous	A	A	-	-	Surg. ind. A.R.M.
4067	34	2	38	39	M	+	-	Spontaneous	A	A	+	-	Sterilisation. Spinal anæsthetic.
4088	30	1	20	26	M	+	-	Undelivered	A	-	+	-	Surg. ind. A.R.M.
4098	34	5	37	37	M	+	+	Spontaneous	A	A	+	-	Transferred to Western Infirmary.
4290	30	1	22	25	M	+	-	Undelivered	A	-	+	-	Auricular fibrillation. (See under deaths.)
4312	26	3	10	12	M	+	-	Hysterotomy	A	-	+	-	Transverse lie. Ext. version. Surg. ind.
4383	26	3	38	40	M	-	-	Spontaneous	A	-	+	-	A.R.M. Breech.
4388	23	1	30	32	M	+	-	Undelivered	A	-	+	-	
4324	24	3	36	36	M	+	-	Spontaneous	A	-	+	-	
4381	36	9	40	40	-	+	+	Spontaneous	D	-	-	-	
4426	25	2	36	41	M	+	-	Spontaneous	A	-	+	-	

### MATERNAL DEATHS.

There were 59 maternal deaths during the year 1939. Ten (16·9 per cent.) of these were in cases which had been under supervision at the ante-natal hospital clinic, and 49 (83·1 per cent.) were in cases which had not been under supervision. Of the total number of deaths, 22 (37·3 per cent.) died within twenty-four hours of admission, 13 (22·0 per cent.) died after twenty-four hours, but within seven days of admission and 24 (40·7 per cent.) died after seven days.

Seven cases were admitted after delivery at home and 9 cases died undelivered. (One case of twins (1) B.B.O., and mother died before delivery of second child.) Post-mortem examinations were made in 53 of the fatal cases.

Since there were 4,502 admissions to the Hospital during the year, the death-rate was 12 per thousand (or 1·2 per cent.). The death-rates in the two categories were as follows:—

Category A,	-	-	-	-	-	0·5 per cent.
Category B,	-	-	-	-	-	1·8 per cent.

*Table showing causes of Maternal Deaths in 1938 in both Categories, and duration of residence in Hospital of these cases.*

Cause of Death.	Under 24 hours.		Over 24 hours, under 7 days.		Over 7 days.		Totals.
	A.	B.	A.	B.	A.	B.	
<b>Intercurrent Diseases—</b>							
Heart disease - - -	—	2	—	3	—	3	8
Cerebral hæmorrhage - -	—	—	—	—	—	2	2
Tumour of bronchus - -	—	—	—	—	—	1	1
Subacute glomerular nephritis - - -	—	—	—	—	—	1	1
Acute miliary tuberculosis -	—	—	—	—	—	1	1
Carcinoma of rectum - -	—	—	—	—	—	1	1
<b>Complication of Pregnancy—</b>							
Eclampsia - - -	—	2	—	1	—	—	3
Hypertensive toxæmia - -	—	—	—	1	—	—	1
Mixed and concealed accidental hæmorrhage-	—	1	—	1	1	—	3
Pyelonephritis - - -	—	—	—	1	—	3	4
<b>Complication of Delivery—</b>							
Placenta prævia - - -	—	1	—	—	—	—	1
Retained placenta - - -	—	5	—	—	—	—	5
P.P.H. - - - - -	—	1	—	—	—	—	1
Inversion of uterus - - -	—	1	—	—	—	—	1
Rupture of uterus - - -	1	2	—	—	—	—	3
Contracted pelvis - - -	—	1	—	1	3	—	5
Malpresentation and malposition - - -	1	3	—	—	—	1	5
Second-stage delay (forceps)	—	—	1	—	1	—	2
F.F.O. - - - - -	—	1	—	—	—	—	1
Uterine inertia - - -	—	—	—	2	—	—	2
<b>Complication of Puerperium—</b>							
Peritonitis - - - - -	—	—	—	1	—	2	3
Pulmonary embolism - - -	—	—	—	—	1	—	1
Lung abscess - - - - -	—	—	—	—	—	1	1
Septic endometritis - - -	—	—	—	1	1	—	2
Thrombo-phlebitis - - -	—	—	—	—	—	1	1
<b>Totals - - - - -</b>	<b>2</b>	<b>20</b>	<b>1</b>	<b>12</b>	<b>7</b>	<b>17</b>	<b>59</b>

## SUMMARY OF FATAL CASES DURING 1939.

A brief summary of each of the fatal cases is given in the following tables:—

## 1. INTERCURRENT.

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Cardiac. Mitral stenosis. Forceps. Acute endocarditis.	4458	32	1	B	36	—	A
	<p>Previous history—scarlet fever and diphtheria in infancy, but no history of rheumatism. Patient was well before pregnancy and remained well until the fifth month, when she became breathless on exertion. Three weeks before admission her ankles became swollen. She was admitted to hospital on 3/12/38, when she was noted to be rather thin. There was no dyspnoea nor cyanosis, but there was some œdema of the ankles. B.P. was 140/100, and there was no albuminuria. The heart was not enlarged, but a presystolic murmur and thrill was present at the apex. She remained well, went into labour on 24/12/38, and was delivered by the forceps after twelve hours' labour on account of rising pulse-rate. The child weighed 6 lbs., and was healthy. The patient remained fairly well until the fourth day of the puerperium, when she became slightly breathless. The pulse-rate remained in the region of 120-130 from delivery onwards. Breathlessness increased and she developed slight cyanosis. She was given sedatives and digitalis, with no effect. On the eighth day of the puerperium the temp. rose to 100° F., and thereafter remained in region of 99° F. Condition became steadily worse and by the tenth day she was extremely dyspnoic with a well-marked lumbar pad of œdema. She died on the eleventh day of the puerperium. P.M. exam.—Mitral stenosis with acute endocarditis.</p>						
Cardiac. Mitral stenosis. Forceps. Pulmonary infarction.	76 780 1776	28	1	B	34	—	A
	<p>Previous history—growing pains at fourteen years. Patient was first admitted when fifteen weeks pregnant on account of dyspnoea of six weeks duration. She was found to have a definite mitral stenosis and was dismissed much improved after seventeen days. She was readmitted to the hospital when twenty-three weeks pregnant on account of hæmoptysis. There were no other signs of decompensation and she was dismissed after fifty days. She remained well and went into labour at 5.30 a.m. on 13/5/39 at home. She was seen by the O.D. house surgeon and given <math>\frac{1}{4}</math> gr. morphia and removed to hospital. When admitted at 12 mid-day she was very cyanosed, gasping for breath, and the pulse was rapid and feeble. Intravenous strophanthine, gr. 1/200, was given without effect. The head was showing at 2.45 p.m., and a low forceps delivery was carried out under open ether anæsthesia. She recovered from the anæsthetic, but her pulse became gradually weaker, and she died at 3.35 p.m. P.M. exam.—Mitral stenosis; carcinoid of appendix; early pulmonary infarcts.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Cardiac. Mitral stenosis. Acute endocarditis. Acute pulmonary œdema.	405	19	1	B	36	—	—
<p>Previous history—rheumatic fever in adolescence. Ante-natal care by own doctor. For two months before admission she had a very troublesome cough, with frequent blood-stained spit. Breathlessness became increasingly severe and finally her feet began to swell. On admission on 1/2/39 she was noted to have typical "mitral facies." There was marked dyspnoea, and the legs were œdematous. The pulse was regular and rapid and there was a well-marked presystolic murmur at the mitral area. Patient remained well until 14/2/39, with normal temperature and a pulse-rate of 80-100 per minute. Suddenly on 14/2/39 she became acutely distressed, deeply cyanosed, and coughed up copious blood-stained froth. The pulse was of poor volume and very rapid. She was given atropine, omnopon and coramine, with little effect. Venesection of 600 c.c. did not relieve her, and she died two hours after onset of attack. P.M. exam.—Mitral stenosis; acute endocarditis; chronic venous congestion of lungs.</p>							
Twins: (1) B. B. O. spontaneous. (2) Undelivered. Acute myocardial failure.	1014	27	3	B	38	—	—
<p>Obstetric history—two normal full-time spontaneous deliveries. The puerperium following the first pregnancy was complicated by an attack of breathlessness. The ante-natal care was carried out by the patient's own doctor. Breathlessness and swelling of legs was noticed during the later months. These symptoms were very marked for fourteen days before admission. Labour commenced on 18/3/39 at 2 a.m., and the first child was born spontaneously at 6 a.m. The second child was retained in utero, and at 10 a.m. patient became very cyanosed and collapsed. She was admitted at 11 a.m., when she was noted to be very cyanosed and restless, with marked air hunger. The pulse was rapid, weak and irregular, and the heart sounds were practically inaudible owing to loud, coarse râles, which were heard over both lungs. Oxygen, coramine, adrenalene, strophanthine and morphia were administered, and 300 c.c. 50 per cent. glucose were given intravenously. There was no improvement, and the patient died at 12.40 p.m. P.M. exam.—Not granted.</p>							
Cardiac. Mitral stenosis. Right lobar pneumonia. Empyæma.	1771	28	1	B	32	—	—
<p>Previous history—scarlet fever at eleven years. Ante-natal care by her own doctor. There was no history of breathlessness before the onset of pregnancy, but in the second month patient began to experience discomfort on climbing stairs. Dyspnoea became more pronounced, but she was able to do her house-work till two weeks before admission. Cough was troublesome from the fourth month. When the patient was admitted on 12/5/39 there was slight dyspnoea, but no cyanosis was present. The legs were œdematous and numerous râles were heard over both lungs. B.P. 166/80, urine contained a trace of albumen. On 13/5/39 patient's condition became much worse. Temperature rose to 100° F. and the pulse-rate was 160 per minute. Dyspnoea was marked and the sputum was frothy and blood-stained. The leucocyte count was 61,000 c.m.m. On 14/5/39 the patient developed acute pain in the chest, and cough was troublesome. She gradually became weaker, and died on 15/5/39. P.M. exam.—Gross aortic and mitral stenosis; lobar pneumonia, with empyæma of the same side.</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Auricular fibrillation. Spontaneous delivery. Cardiac failure.	3108	26	2	B	28	—	A
	<p>Previous history—patient had scarlet fever at eight years and pneumonia at twenty-five years. The patient first attended the hospital ante-natal clinic on 23/8/39, when she was recommended for instant admission to hospital. Three months previous to admission she had been in hospital with pneumonia, but was dismissed well. One month before admission she felt breathless on exertion, and for fourteen days before admission the patient had suffered from increasing breathlessness and swelling of the legs. She was not sleeping well, liked to be propped up, and complained of a slight cough. On admission patient was noted to be highly coloured. She was breathless and could not lie down, but there was no cyanosis. There was marked œdema of the feet and legs. The uterus was seven months' size, and the patient was not in labour. The heart was grossly enlarged to the left and systolic and diasystolic murmurs were present at all areas. There was auricular fibrillation. B.P. 96/50, pulse-rate 80 per minute. The patient was treated with digitalis, but the pulse, although slow in rate, continued to fibrillate. Patient was still propped up, breathlessness was present, but œdema diminished and there was no cough present. On 26/10/39, sixty-three days after admission, the patient had a spontaneous delivery of live child, weighing 7 lbs. 5 ozs., after a labour lasting one-and-a-quarter hours. On 31/10/39 she developed left-sided paralysis. On 1/11/39 she had an attack of restlessness, air hunger and respiratory distress. On 3/11/39 she had severe dyspnoëic attacks, and died in convulsions. P.M. exam.—Cerebral embolism on both sides.</p>						
Cardiac. F.F.O. Forceps.	3372	31	1	B	39	—	—
	<p>Previous history—no scarlet fever or rheumatic fever. Ante-natal care by her own doctor. Breathlessness was noted for three months prior to admission and for six weeks she had been resting in bed. Labour began eight hours before admission. On admission the patient was cyanosed and breathless, and definite signs of mitral stenosis were present. She was having second-stage pains and the head was showing on the perineum. Her own doctor had attempted to rotate the head under anæsthesia, but the patient did not take the anæsthetic well. Forty minutes after admission it was decided to apply forceps on account of maternal distress. Under chloroform anæsthesia an episiotomy was performed, and the child extracted by a low forceps operation. There was a slight post-partum hæmorrhage, but the patient's condition after operation was satisfactory. During the puerperium the patient's pulse remained rapid, and she was very breathless and pale and there was cyanosis of the finger tips. Digitalis and morphia were administered. On 19/9/39 the pulse was very rapid, but not fibrillating. There was Cheyne-Stokes respiration. On 20/9/39 (fourth day of the puerperium) at 2 a.m. the patient died. P.M. exam. not granted.</p>						
Auricular fibrillation. Spontaneous delivery. Cardiac failure.	4381	36	9	B	40	—	A
	<p>Patient had been well until after the birth of her last child. In the interval between that time and the onset of this pregnancy she had been well. Obstetric history—eight normal full-time pregnancies between</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
<p>B.B.O. Retained placenta and P.P.H. Manual removal of placenta. Cerebral hæmorrhage and softening.</p>	1593	37	7	B	—	S	—
<p>Cerebral hæmorrhage, complicating four months' pregnancy.</p>	4206	38	6	B	17	—	—
<p>1922 and 1937. Spontaneous deliveries of live children. All puerperia were normal except the last one, when on the seventh day she developed palpitations and a left hemiplegia. Ante-natal care by own doctor. She managed most of her house-work until she was four months pregnant, when she had a "shock." She was in the infirmary for three weeks and since then she had been resting. Membranes ruptured on 19/12/39 at 6.30 a.m. On admission—temp. 99.8° F., pulse 112. The pulse was barely perceptible at the wrist and the cardiac sounds were irregular in time and force—auricular fibrillation. There were numerous moist râles and rhonchi, especially at bases. Her face was pale and the lips and finger nails cyanosed. There was slight œdema of the ankles and of lumbosacral area and marked dyspnœa. The uterus was full-time size, the vertex was presenting and the head low in the cavity. The foetal heart was 150 per minute, second-stage pains were occurring every five minutes and the cervix was three fingers dilated. Spontaneous delivery of a living child, weighing 5½ lbs., occurred seven hours after admission. Digitalin and strophanthine were administered, but her condition gradually deteriorated, and she died twelve hours later. P.M. exam.—Grossly dilated heart.</p>							
<p>Previous history—nothing significant. Obstetric history—six full-time spontaneous deliveries. No ante-natal care. Child born after precipitate labour at home on 30/4/39. Severe hæmorrhage occurred immediately after delivery, and patient collapsed. She was seen by the O.D. house surgeon, a blood transfusion was given, and the placenta removed manually. As her condition was not satisfactory she was transferred to the hospital at 11.5 p.m. On admission she was still rather collapsed, the extremities were cold, and the pulse was almost imperceptible. The left middle and ring fingers were cyanosed at the tips. She was treated with prontosil and abundant glucose. The temperature became elevated and the pulse-rate was in the region of 140 per minute. The lochia was very dark and foul smelling. On 3/5/39 the tips of the cyanosed fingers became definitely gangrenous, and the patient was mentally confused. Continuous intravenous drip saline and glucose was commenced on 4/5/39. On 7/5/39 she complained of severe headaches, became comatose, and died on 8/5/39. P.M. exam.—Uterus contained large mass of adherent placenta, which was becoming septic; thrombo-phlebitis of ovarian uterine veins; ischæmic necrosis of left lobe of cerebellum; thrombosis of left sub-clavian artery; gangrene of three fingers of left hand.</p>							
<p>There was no previous history of the patient having fits. Her health had been satisfactory till the onset of this pregnancy. Obstetric history—she had had four normal full-time pregnancies with spontaneous deliveries of live children and one abortion at four months. She had paid one visit to her own doctor. She had suffered from headaches in the left temporal region since the pregnancy began and three weeks before admission she complained of dizzy turns. On the morning of admission she felt nauseated and vomited, and she complained of intense headache, and lapsed into</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
<p>Tumour of bronchus. Secondary cerebellar tumour.</p>	3757	24	1	B	20	—	—
<p>Subacute glomerular nephritis. Spontaneous delivery. Acute endocarditis. Uræmia.</p>	2036	38	10	B	40	—	A
<p>unconsciousness. She recovered consciousness in the ambulance. On admission—temp. 98.6° F., pulse 72, and resp. 20; B.P. 135/80. Well-nourished woman, with assymetry of face and ptosis of left lower eyelid. There was exophthalmos of the right eye. She was unable to speak, but quite conscious. There was right-sided spastic paralysis with exaggerated tender jerks and extensor plantar reflexes. She was four months pregnant. On 3/12/39 lumbar puncture was performed, and blood-stained cerebrospinal fluid was obtained under pressure. Her condition remained very much the same for three days. On 6/12/39 she was still unable to speak. She took a fit, in which she became unconscious for seven minutes. On 9/12/39 patient was able to speak a little. Right hemiplegia was present. On 11/12/39 it was noticed that the tongue deviated to the left. The knee jerks were equal, plantar responses were flexor and there was no clonus. Her condition gradually deteriorated, and she died on 13/12/39. P.M. exam.—Cerebral hæmorrhage from aneurysm.</p>							
<p>Previous history—nothing significant. Patient first attended the antenatal clinic on 23/10/39 and was instantly transferred to hospital on account of persistent sickness. She had had occasional sickness since the beginning of the pregnancy and during the four days previous to admission the sickness had been very severe. She had also had attacks of giddiness and she was slightly breathless. On admission she was noted to be a pale woman, although well nourished. The tongue was furred and dry. The pulse-rate was 80 per minute and the uterus was five months' size. The patient continued to be sick and was treated as a case of hyperemesis gravidarum. She had rectal salines and 10 per cent. glucose in normal saline intravenously by the drip method. Ophthalmoscopic examination showed hæmorrhages on both retinae and the edges of the discs were blurred. Gastric lavage was performed. On 22/11/39 the patient had very severe headache and could not sit up straight, as she tended to fall to the right side. Lumbar puncture was performed and clear cerebrospinal fluid under normal pressure was withdrawn. There was no bile and no albumen in the urine, and jaundice was not present. B.P. remained normal and the pulse-rate was slow, being in the region of 80–90 per minute. Temperature was never raised. The patient's condition gradually deteriorated and she died undelivered on 23/11/39. P.M. exam.—Tumour of bronchus; secondary tumour in cerebellum.</p>							
<p>Previous history—patient was in general hospital with acute nephritis and endocarditis one-and-a-half years previously. Obstetric history—nine full-time pregnancies with spontaneous deliveries of live children. The patient was breathless throughout pregnancy and there was gross swelling of legs since second month. She was in a local authority hospital for seven weeks when six months pregnant. Chronic nephritis was diagnosed and termination of the pregnancy and sterilisation was advised, but treatment refused. Labour commenced at 11 p.m. on 1/6/39, and when she was admitted</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
<p>Acute miliary tuberculosis. Surg. induction. Spontaneous delivery.</p>	1028	19	1	B	29	—	—
<p>Carcinoma of rectum. Secondary carcinomatosis of liver. Complete miscarriage.</p>	1080	39	3	B	19	—	—

to hospital at 12 mid-day on 2/6/39, she was noted to be pale, with gross œdema of the legs. B.P. 136/72, and the urine was loaded with albumen. Spontaneous delivery of a live 6 lbs. child occurred at 3.15 a.m. on 3/6/39. From first day of puerperium the urinary output never exceeded  $3\frac{1}{2}$  ozs. per day. Albuminuria increased steadily and there was some hæmaturia. The B.P. rose slightly to 152/100 by eleventh day. Blood urea on third day was 152 m.g. per 100 c.c. blood. She remained fairly well until the eighth day, when she became drowsy and restless. On the tenth day she became very sick, and œdema was more marked. She became increasingly restless and drowsy, and died on twelfth day. P.M. exam.—Subacute glomerular nephritis; acute endocarditis of mitral valve; some uterine sepsis.

Previous history—nothing significant. Ante-natal care by own doctor. Patient was apparently well until the fifth month of pregnancy, when she began to complain of pain in the right renal region and dysuria. Vomiting was very troublesome. Home treatment was without effect, and she was sent into hospital when seven months pregnant. When admitted on 19/3/39 she was very pale, with slight cyanosis. She was fairly well nourished. The abdomen was very tender on palpation. Temp.  $99.8^{\circ}$  F., pulse 112, resp. 20. The urine contained pus cells and B. coli, and she was treated as pyelitis with alkalis, prontosil and abundant fluids. There was no response to treatment, and she ran an irregular fever. On 29/3/39 she developed a cough and there were signs of broncho-pneumonia at right lung base. Respirations became very rapid and cyanosis more marked. Labour was induced by artificial rupture of membranes on 30/3/39. Spontaneous delivery occurred on 1/4/39, following which condition steadily deteriorated. Sputum was negative for tubercle bacilli. She died on 5/4/39. P.M. exam.—Miliary tuberculosis, chiefly of lungs, but affecting most other viscera; tuberculous lymph glands around aorta; no primary focus detected.

Previous history—abdominal operation three years previously. Obstetric history—two full-time spontaneous deliveries. Patient was admitted on 22/3/39 as a transfer from a general hospital as a case of carcinoma of rectum complicated by pregnancy. On admission she was noted to be grossly emaciated. The liver was enlarged, hard, and irregular. The abdomen was slightly distended and she had severe constipation. A hard ulcerated tumour was detected on rectal examination. She complained of severe abdominal pain, and required morphine as a sedative. On 28/3/39 a complete miscarriage of five months' pregnancy occurred, after which the patient became steadily weaker. She developed gross œdema of left orbit on 30/3/39, and became very drowsy. There was no vomiting or increase in abdominal distension. She died on 31/3/39. P.M. exam.—Carcinoma of rectum; extensive metastases in ovaries and liver; terminal broncho-pneumonia and panophthalmitis.

## 2. COMPLICATION OF PREGNANCY.

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Ante-partum eclampsia. Cerebral hæmorrhage. Undelivered.	2123	25	2	B	27	—	—
	Previous history—nothing significant. Obstetric history—one abortion at two months. Patient was apparently well throughout pregnancy, apart from some vomiting and pain in left leg. At 2 a.m. on 9/6/39 (i.e. twenty-seventh week of pregnancy) she began to have abdominal pain and vomiting. At 4.15 a.m. she took an eclamptic fit. She was seen by the doctor, who gave morphine, and sent her into hospital. When on the way to hospital she had two further fits. On admission at 6 a.m. she was semi-conscious, with marked pallor. No œdema was noted. Temp. 97.4° F., pulse 100, B.P. 192/130. Albumen was present in the urine, which was deep red in colour due to altered blood. A further fit occurred at 6.5 a.m. She was treated by the Stroganoff method, chloroform, subcutaneous magnesium sulphate, etc., but she gradually became weaker and comatose. By 11.45 a.m. she was pulseless and comatose, with very slow gasping respirations. Lumbar puncture revealed blood-stained cerebro-spinal fluid under slight pressure. She died at 11.55 a.m. P.M. exam.—Eclamptic lesions of liver and kidney; large cerebral hæmorrhage in right lenticular nucleus, spreading down the ventricles.						
Ante-partum eclampsia. Cerebral hæmorrhage.	3316	43	1	B	34	—	—
	The patient was admitted in an eclamptic seizure, having had five fits before admission. Details of her ante-natal care were not available. Health was apparently satisfactory till day before admission. Patient had her first fit six hours before admission, and this had been preceded by a severe and constant headache. On admission the patient was unconscious, her lips were blood-stained, and the breathing was stertorous. There was cyanosis of the face. There was no œdema of her ankles and urine was not obtained before death. B.P. 200/110. Patient was eight months pregnant, with the vertex presenting. No contractions of the uterus were felt. The patient had $\frac{1}{4}$ gr. morphia on admission. Two hours later she died. P.M. exam.—Eclamptic lesions in the liver; large cerebral hæmorrhage in the occipital lobe (the blood had burst through the surface of the brain and some was lying in the subdural space).						
Ante-partum eclampsia. Undelivered.	3855	38	4	B	30	—	—
	Previous history—nothing significant. Patient had had three previous pregnancies, and the last (two years before) had been complicated by kidney trouble. Patient had been attending a local authority clinic (ante-natal) and was known to have had high blood pressure and œdema of the legs. She had been advised to go into hospital one week previously but was unable to do so owing to domestic circumstances. She was said to have had three fits on the day of admission before the arrival of the O.D. house surgeon. The patient was unconscious when the house surgeon arrived, but soon after she had a very violent fit, which had to be controlled by chloroform. Morphia, $\frac{1}{4}$ gr., was given, and the patient transferred to hospital. The uterus was eight months' size, and the patient was unconscious and very cyanosed. Temp. 99° F., pulse 120, B.P. 190/135. She was very œdematous and the urine was loaded with albumen. Moist râles were heard over both lungs. The patient continued to have fits						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Anæmia. Hypertensive toxæmia. Blood transfusion.	1865	29	1	B	38	—	—
	<p>lasting two to three minutes at intervals of about one hour, and had ten fits in all. On the day of admission no urine was secreted and on the day following only 2 ozs. were secreted. Eight hours after admission she had morphia, gr. <math>\frac{1}{4}</math>, in 2 c.c. magnesium sulphate solution, after which she recovered consciousness and had no further fits. Four hours later she had a venesection of 450 c.c. Her respirations were very moist, and she had atropine, gr. <math>\frac{1}{100}</math>, and morphia, gr. <math>\frac{1}{4}</math>, in 2 c.c. magnesium sulphate solution. On the following day she had atropine, gr. <math>\frac{1}{100}</math>. Her pulse rose to 160 per minute and her temperature to 109° F., and at 4.10 a.m. she died. Only 2 ozs. of urine were secreted. No urine secreted on 1/11/39 or 3/11/39. P.M. exam.—Eclamptic lesions in kidney and liver.</p>						
Mixed accidental hæmorrhage. Spontaneous delivery.	957	42	13	B	40	—	S.B.
	<p>Previous history—nothing significant. Obstetric history—eleven normal full-time spontaneous deliveries; twelfth pregnancy complicated by antepartum hæmorrhage (spontaneous delivery occurred at thirty-seventh week). Patient was well throughout the present pregnancy until two months before admission, when she began to feel breathless and her feet, hands and face became swollen. At 3 p.m. on 14/3/39 a severe vaginal hæmorrhage occurred. She was seen by the out-door house surgeon and sent into hospital, where she was admitted at 4.30 p.m. in a very collapsed state. She was extremely pale and almost pulseless. The uterus was full-time size and very tense. Morphia, gr. <math>\frac{1}{4}</math>, was given and then a blood transfusion of 800 c.c., with some improvement. At 6 p.m. three doses of 0.25 c.c. pitocin were given, and labour commenced. She was delivered spontaneously of a still-born child, weighing <math>7\frac{1}{2}</math> lbs., at 8.50 p.m. Immediately after delivery she became very collapsed, with extreme pallor and restlessness, and her pulse was rapid and thready. Intravenous glucose in normal saline was given, with no effect. The placenta was still in utero when she died at 9.35 p.m. P.M. exam.—Utero-placental apoplexy; evidence of shock.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Hydramnios. Concealed accidental hæmorrhage. Obstetric shock.	2450	41	9	A	28	—	S.B.
	<p>Previous history—scarlet fever in childhood. Obstetric history—three full-time spontaneous deliveries; two premature labours at eight months and three abortions. Ante-natal care by own doctor and by hospital clinic. Patient was admitted at twenty-eight weeks on account of œdema, visual disturbance, and headaches. On admission on 4/7/39 she was noted to be pale and under-nourished, with œdema of ankles. The uterus was rather large and there was a fluid thrill. B.P. 132/86. No albuminuria. Labour was induced by puncture of the membranes on 11/7/39, 66 ozs. liquor being withdrawn. Labour began at 7 p.m., and she was delivered spontaneously of a 5½ lbs. macerated fœtus at 12.55 a.m. on 12/7/39. The placenta, which was born spontaneously fifteen minutes later, was very large, 4 lbs. in weight, and pale in colour, and there were 8 ozs. retro-placental clot. Shortly before delivery patient became very pale and distressed, but the pulse was of moderately good quality. As she did not improve after delivery, intravenous glucose and saline was given, with marked improvement. Two hours later she again became pale, so a blood transfusion was given, with marked improvement. Two hours later she again collapsed, and 200 c.c. 50 per cent. glucose was given intravenously, without effect. She died at 6.20 a.m. P.M. exam.—Evidence of obstetric shock.</p>						
Mixed accidental hæmorrhage. Spontaneous delivery.	4209	32	5	B	36	—	SB
	<p>Previous history—patient had had pneumonia at seventeen years. No operations. Obstetric history—four previous full-time pregnancies; first delivery instrumental, others spontaneous and all children alive. Ante-natal care by local authority clinic, six visits in all. She had bronchitis when three months pregnant, but this cleared up under treatment. She had been easily tired during the pregnancy and had had occasional dizzy turns. On the day before admission she had severe lumbar pain and pain in the lower abdomen, followed by bleeding, which was slight in amount, but persistent. On admission the patient was noted to be very pale and restless. The pulse was slow, 52 per minute, but of poor volume, temp. 97° F. The uterus was eight-and-a-half months' size, with vertex presenting, and the abdomen was tense. The fœtal heart was not heard. There was slight bleeding and some abdominal pain. B.P. 105/70. On admission the patient had morphia, gr. ¼, and six hours later, when her condition had improved slightly, the membranes were punctured. Labour pains commenced almost immediately and two hours later she had a spontaneous delivery of a still-born child, weighing 2½ lbs. There was no post-partum hæmorrhage, but the retro-placental clot weighed 1 lb. 2 ozs. The patient remained pale, but otherwise seemed well. Two days later it was noticed that the urinary output was low. On the fourth day of the puerperium the patient suddenly collapsed, the pulse was almost imperceptible and air hunger was marked. She had no pain or discomfort. There was temporary improvement on the administration of stimulants, but one hour later she collapsed again and died. P.M. exam.—Cortical necrosis of kidney.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Acute pyelonephritis. Classical cæs. section. Wernicke's encephalopathy.	4799	19	1	B	26	—	A
<p>Previous history—nothing significant. Patient was well until fifth month of pregnancy, when she was in local authority hospital with pyelitis for four weeks. She left there of her own accord, but was admitted to this hospital two weeks later on account of uncontrollable vomiting. On admission on 30/12/38 she was pale and emaciated. Uterus was just under seven months' size. Temp. 98.6° F., pulse 120, resp. 20. Examination of urine revealed abundant pus cells and organisms. She was given abundant fluids and alkalis without much improvement. Sickness persisted and pulse-rate remained between 120–130 per minute. On 10/1/39 cystoscopy revealed gross cystitis and very deficient kidney function after intravenous indigo-carmin. Thereafter fluid and glucose were given intravenously daily. Condition got steadily worse and on 16/1/39 she developed dimness of vision, followed on 17/1/39 by nystagmus. She was given large doses of vitamin B, and it was decided to terminate the pregnancy by the abdominal route. Classical cæsarean section was performed on 18/1/39 under spinal anæsthesia, a blood transfusion having been given previously. The child was alive and weighed 2½ lbs. After the operation she was mentally confused, with rapid feeble pulse. Intravenous glucose and saline was given and large doses of vitamin B continued, but she died on 19/1/39. P.M. exam.—Dilatation of ureters and pyelonephritis of right kidney; adhesion of ileum to uterine wound, with subsequent ileus; Wernicke's encephalopathy.</p>							
Acute pyelonephritis. Spontaneous delivery. Hæmorrhagic pancreatitis. Uræmia.	4814	26	4	B	32	—	D
<p>Obstetric history—one full-time child, still-born, followed by two miscarriages, one at six weeks and one at six months. Patient had been apparently well until one month before admission, when she developed vomiting, and was discovered to have urinary infection. She was treated in a cottage hospital, without much improvement, vomiting persisting. She was transferred to this hospital on account of albuminuria and was admitted on 31/12/38. She was grossly emaciated, dehydrated, and there was some evidence of jaundice. The uterus was seven months' size, and eight hours after admission she had a spontaneous delivery of a premature infant, which only lived a few hours. On 1/1/39 condition was slightly improved, but sickness persisted, and she was given rectal salines and abundant glucose. On 2/1/39 sickness was much less, but in the evening she developed hiccough. On 3/1/39 she became incontinent of urine and fæces, jaundice became very marked, and she suddenly became comatose. She was given intravenous glucose in normal saline, but she died in an hour. Blood urea one hour before death was 314 m.g. per 100 c.c. blood. P.M. exam.—Gross suppurative pyelonephritis of right kidney and to some degree of left; acute hæmorrhagic pancreatitis; right lobar pneumonia.</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Acute pyelonephritis. Broncho-pneumonia. Perforation of head and delivery by traction.	193	38	1	B	30	—	SB
<p>Previous health—nothing significant. Ante-natal care by own doctor. Sickness had been troublesome from third month onwards, and she had been confined to bed for fourteen days before admission with uncontrollable vomiting, lumbar pain, and dysuria. Patient was admitted on 16/1/39, when she looked ill and emaciated, tongue coated. Temp. 99·8° F., pulse 122, resp. 24. Uterus seven months' size. Examination of urine revealed pus and coliform bacilli. She was given rectal saline alkalis and prontosil. On 22/1/39 condition had deteriorated, so continuous intravenous drip saline and glucose was started. On 24/1/39 ureters were catheterised and catheters left <i>in situ</i>. On 25/1/39 right catheter showed no evidence of drainage. Left catheter was draining, urea concentration 0·94 per cent. Respirations had become very rapid. Labour was induced by artificial rupture of the membranes. On 26/1/39 there was slight improvement. Head was showing at vulva and both catheters draining (urea concentration—L., 0·85 per cent.; R.O., 56 per cent.). delivery was carried out without anaesthesia by perforation of the head and traction. Intravenous saline and glucose was recommenced, but she gradually became worse, and died seven hours after delivery. P.M. exam.—Right-sided acute pyelonephritis; broncho-pneumonia.</p>							
Pyelonephritis. Spontaneous abortion.	3556	20	1	B	20	—	—
<p>Previous history—nothing significant. Patient had been under her own doctor's care. She had attended on four occasions and the urine had been tested. For one month before admission the patient had complained of pain in the right iliac fossa. The pains became very acute and vomiting commenced one week before admission. She was sent into a general hospital and was operated on for appendicitis. The appendix was normal and was not removed. The pain and vomiting persisted. There was no frequency of micturition and no oedema. The patient was healthy looking and well nourished. Her lips were dry, the tongue furred and dry, and the breath very acidotic. Scar present in right iliac fossa from operation five days before. The patient was treated as a case of pyelitis, pus cells and coliform bacilli being present in the urine. Sickness persisted and became aggravated. On the ninth day the temp. rose to 101° F. and the pulse was 110 per minute. Rectal salines and intravenous glucose in normal saline were given. Ten days after admission the patient aborted and two days later she developed a cough and the rate of respirations rose. Jaundice appeared, the skin was hot and dry, and there was scanty lochial discharge. There was no pelvic tenderness and no abdominal distension. A diagnosis of central pneumonia was made by physician, and M. and B. 693 and digitalin administered. Patient was worse the next day, hiccough was present and sickness more marked. Morphia was given and glucose in normal saline given intravenously. Patient's condition deteriorated, and she died on the fourth day of the puerperium. P.M. exam.—Multiple small abscesses in both kidneys.</p>							

## 3. COMPLICATION OF DELIVERY.

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Twins. Placenta prævia. Cæsarean section. Obstetric shock.	2416	26	2	B	28	—	—
	Previous health—nothing significant. Obstetric history—one spontaneous delivery at eight months. Ante-natal care by own doctor. Patient had been well until twenty-sixth week, when she had a vaginal hæmorrhage. She was kept in bed, and nine days later the hæmorrhage recurred. At 12 mid-night on 1/7/39 (i.e. twenty-eighth week) severe hæmorrhage occurred. She was seen by doctor, who gave morphia, gr. $\frac{1}{2}$ , and sent her into hospital. When she was admitted at 1.30 a.m. on 2/7/39 she was noted to be pale and rather collapsed. Temp. 97° F., pulse 88, resp. 20. Uterus eight and a half months' size. She was given a blood transfusion of 800 c.c. and vaginal examination performed at end of transfusion. Central placenta prævia was diagnosed, and immediately afterwards brisk hæmorrhage occurred. Vagina packed and a second transfusion of 800 c.c. was given. Classical cæsarean section was performed under chloroform and ether anæsthesia without undue bleeding. At 8.30 a.m. she collapsed and became very cyanosed, with imperceptible pulse and shallow, feeble respirations. A third blood transfusion was given and followed by intravenous 50 per cent. glucose, with marked improvement in colour and quality of pulse. She again collapsed at 1.10 p.m., and there was no response to stimulants. She died at 1.30 p.m. P.M. exam.—Hydronephrosis and early pyelonephritis of right kidney; section wound healthy; evidence of obstetric shock.						
Retained placenta and P.P.H. Manual removal of placenta. Blood transfusion.	1122	30	1	B	—	—	—
	Patient was delivered by the forceps by her own doctor on account of second-stage delay at 5 a.m. on 26/3/39. The child was alive and healthy. There was a moderate degree of hæmorrhage and attempts to express placenta were unsuccessful. The patient became very collapsed and was admitted on 26/3/39 at 6.30 a.m. She was noted to be very pale and the radial pulse was imperceptible. The uterus was relaxed and large. The placenta was still in utero and there was persistent vaginal bleeding. Ten minutes after admission a blood transfusion of 800 c.c. was given, with marked improvement. At the end of the transfusion she suddenly collapsed again and was very pale, pulseless, with slow, gasping respirations. A second transfusion was given and uterus rubbed up, and much blood clot expelled. A third transfusion was started, and under open ether anæsthesia the placenta was manually removed with little blood loss. Ergometrine was administered, and the uterus remained firmly contracted. The patient's condition improved after operation, although she never became clear mentally. An hour and a half later she became cyanosed, and the pulse became imperceptible. She died at 11.20 a.m., four hours after admission. P.M.—Evidence of obstetric shock.						
B.B.O. Retained placenta and P.P.H.	1571	35	6	B	—	—	—
	Obstetric history—first delivery instrumental, others spontaneous. Difficulty was experienced in third-stage at sixth confinement. Patient was apparently well during pregnancy. Ante-natal care by own doctor. She was attended by students from the hospital at confinement, and the child						



Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Hypertensive toxæmia. Twins. Retained placenta. P.P.H. Manual removal. Obstetric shock.	2555	30	3	A	38	—	A and A
	<p>Previous history—nothing significant. Obstetric history—two full-time spontaneous deliveries. Ante-natal care by local authority and hospital ante-natal clinic. She had no complaints until three weeks before admission when œdema of ankles appeared. This increased until her admission, when thirty-eight weeks pregnant, on 12/7/39. Twin pregnancy had been diagnosed by x-ray fourteen days previously. She was rather pale and thin and there was gross œdema of the legs. B.P. 146/94, and urine contained a trace of albumen. She was kept in hospital, but albumen increased to two parts Esbach, B.P. remained at same level, and œdema persisted. Labour commenced at 11.45 p.m. on 27/7/39, and spontaneous delivery of twins, 6½ lbs and 6¼ lbs., occurred at 2.5 a.m. and 2.10 a.m. on 28/7/39. There was moderate post-partum hæmorrhage after delivery, and placenta did not separate. Patient was very pale, with rising pulse-rate, and it was decided to give blood transfusion and remove placenta. During the transfusion she became rigid several times, but at the end of the transfusion colour had much improved and volume of pulse was better. The placenta, which was adherent over most of its surface, was then removed manually, after which the patient collapsed. A second blood transfusion was given and colour improved, but pulse remained irregular and rapid, and she appeared very drowsy. Her condition gradually deteriorated, and she finally became cyanosed, and died at 7.55 a.m. P.M. exam.—Eclamptic lesions of liver; evidence of obstetric shock; old standing R. optic atrophy.</p>						
Mixed accidental hæmorrhage. Spontaneous delivery. P.P.H.	3618	36	3	B	37	—	SB
	<p>Previous history—nothing significant. Obstetric history—two previous full-time pregnancies (delivery spontaneous and puerperium uncomplicated). Health during this pregnancy had been good. Nine hours before admission the patient developed cramp-like pain in the lower abdomen. She felt faint and vomited several times. Six hours later she had a brisk vaginal hæmorrhage and no foetal movements were felt after this time. On admission patient was noted to be pale, thin, and very shocked. Tenderness was present over the lower abdomen. Systolic B.P. was 125. Uterus eight and a half months' size and tense. Vertex was presenting. No foetal heart was heard. Morphia, gr. ¼, was given on admission. Two and a half hours after admission the patient was delivered spontaneously of a 6½ lbs. still-born child. There was 2½ lbs. retro-placental clot. The uterus was well retracted and there was no apparent bleeding. The pulse-rate was 120 per minute, and the patient was pale, but had recovered from the shock. Two hours later she suddenly collapsed. The pulse was rapid and of poor quality and it was found that some blood clot had accumulated in the vagina. The fundus was still firm. Blood transfusion, 800 c.c., was given, and general condition improved, but slight bleeding persisted. Under ether anæsthesia it was found that there was a tear of the left side of the cervix. The tear was stitched with catgut. The patient's pulse was now very rapid and feeble. A blood transfusion was commenced, but the patient collapsed again, and died despite emergency measures, i.e. administration of coramine. No P.M. exam.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
B.B.O. Complete inversion of uterus. Obstetric shock.	2086	35	2	B	—	—	—
No previous history obtained. Obstetric history—one full-time spontaneous delivery. No details were obtained of history of pregnancy or of labour. Apparently spontaneous delivery occurred about 6 p.m. on 5/6/39. Shortly after delivery complete inversion of the uterus occurred, with the placenta attached to the fundus. The patient was dead on arrival at the hospital at 7.10 p.m. Uterus was completely inverted, fundus lying between patient's thighs, with the placenta attached. P.M. exam.—Complete inversion of the uterus, with placenta accreta; acute endocarditis of mitral valve.							
Contracted pelvis. Manual delivery of breech. Rupture of uterus.	1348	41	5	B	40	—	—
Previous history—nothing significant. Obstetric history—four full-time deliveries (first one instrumental, child still-born; three spontaneous deliveries, two children alive and one still-born); first two confinements in hospital on account of contracted pelvis. No ante-natal care. The membranes ruptured four days before admission, but the pains were very poor and irregular until day of admission. After four hours of strong pains she became very breathless and distressed and stated that thereafter pains became weaker. She was admitted on 12/4/39 at 2.45 p.m., when she was noted to be very cyanosed, with rapid respirations. She complained of pain in right lower abdomen. Temp. 102° F., pulse 156, resp. 56. The pulse was of very poor quality. The head was very high. She was given 100 c.c. 50 per cent. glucose intravenously, after which she improved slightly. No foetal heart was heard and uterine contractions were infrequent and ineffective. She improved slightly and delivery decided on. Under chloroform and oxygen anaesthesia a tentative attempt at forceps was made, but the blades slipped. As the uterus was very lax and patient was in very poor condition, internal version easily performed, and child delivered as breech. There was no bleeding after delivery, and the placenta left <i>in situ</i> . Patient recovered quickly from anaesthesia, and condition improved slightly, but cyanosis persisted and pulse was very rapid and of poor quality. She gradually became weaker and died at 10.35 p.m. P.M. exam.—Rupture of right lower segment of uterus; placenta lying in abdomen; no hæmorrhage, but evidence of obstetric shock.							
Contracted pelvis. Spont. delivery. Incomplete rupture of uterus. Obstetric shock.	2068	28	5	A	40	—	A
Previous history—nothing significant. Obstetric history—one abortion at three months; three full-time spontaneous deliveries, last child still-born. Ante-natal care by hospital clinic, where she was discovered to have slight degree of contracted pelvis—D.C. 4½ ins. She was advised to report to hospital early in labour. Labour commenced on 4/6/39 at 10 p.m., and membranes ruptured at 2 a.m. on 5/6/39. When admitted to hospital at 4.45 a.m. she was having strong second-stage pains. Child born at 5.15 a.m. alive—weight, 6 lbs. 10 ozs. The placenta was expelled ten minutes after the birth of the child. Just before birth of child patient had taken a "fit" lasting one and a half minutes. Condition was fairly good after completion of third-stage, but there was persistent ooze of blood, although the uterus was firmly contracted, and in spite of repeated ergometrine the patient became very collapsed, with rapid thready pulse. Blood transfusion was given, with no improvement, and she died at 8 a.m. P.M. exam.—Incomplete rupture in lower segment of uterus on the left side; the rupture involved the large vein; there was no evidence of obstetric shock.							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
F.F.O. Ruptured uterus. Death under anæsthesia.	3262	44	13	B	40	—	—
Previous history—nothing significant. Previous obstetric history—twelve normal full-time pregnancies. Labour began thirteen hours before admission, and 4 c.c. of pituitrin were administered outside. Attempted forceps delivery failed one hour before admission. On admission the patient was collapsed and there was some vaginal bleeding. There was marked pallor and air hunger, and the pulse was very weak, almost imperceptible. Blood transfusion, 800 c.c., was given, with a poor temporary response. At 9.10 p.m. the patient's condition was very poor and deteriorating. It was decided to give her an anæsthetic to examine her with a view to delivery. During the induction the patient collapsed, cardiac failure and cessation of respiration followed. Resuscitative treatment failed. P.M. exam.—Large tear in left lateral vault of vagina, head free above brim; large amount of blood clot in peritoneal cavity.							
Contracted pelvis. Forceps. Acute pulmonary œdema.	125	30	1	B	40	—	SB
Previous history—nothing significant. Ante-natal care had been carried out by local authority clinic and she was quite well throughout pregnancy. Labour began on 9/1/39 and she was admitted on account of prolonged labour on 11/1/39. On admission patient was in good condition. Temp. 97° F., pulse 100, resp. 20. Vertex was presenting and still above the pelvic brim and the pains were irregular and of poor quality. She was given sedatives and on 12/1/39 vertex was well engaged in pelvis. On 13/1/39 the head had reached level of high mid-pelvis and cervix was fully dilated. On account of maternal exhaustion it was decided to complete delivery by the forceps. Delivery was difficult and the child, weight 7½ lbs., was still-born. D.C. was found to be 4½ ins. Gas, oxygen and ether anæsthesia was used. Patient recovered from anæsthetic and was well until four hours post-partum, when she suddenly became dyspnoëic, cyanosed, and complained of a tight feeling in the chest. Pulse was rapid, irregular and feeble. She was given oxygen, atropine and sedatives. She improved slightly, but relapsed and died eighteen hours post-partum. P.M. exam.—Dystocia lesions in the bladder, with ascending pyelonephritis; extensive broncho-pneumonia.							
Contracted pelvis. L.U.S. cæsarean section. Obstetric shock.	915	25	3	A	40	—	A
Previous history—nothing significant. Obstetric history—one full-time instrumental delivery after labour lasting three and a half days; child only lived two days; one abortion at six weeks. Ante-natal care by local authority and hospital clinic. Patient remained well throughout pregnancy. She was admitted to hospital on 10/3/39 when she was noted to have a contracted pelvis, D.C. 4 ins. Labour commenced on 12/4/39 at 12 noon, and at 6 p.m. the head was still above the brim and there was abundant meconium staining, with an irregular foetal heart. Lower uterine segment cæsarean section was performed under spinal anæsthesia. The lower uterine segment was very thin. The placenta was very adherent and had to be stripped off uterine wall with gauze. The child was alive and healthy. The patient was very shocked at end of operation, but revived after blood transfusion of 500 c.c. blood. At 8 p.m. there was some slight vaginal hæmorrhage and patient became rather collapsed. Condition became steadily worse, and she died at 9.50 p.m. P.M. exam.—Evidence of obstetric shock; uterine wall was very thin in many places.							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Breech presentation. Slight C.P. Forceps. Death under anæsthesia.	3203	23	1	A	40	—	A
	<p>Previous health—nothing relevant. Ante-natal care carried out by the hospital clinic from 4/7/39 till she was admitted to ante-natal wards on 1/9/39 on account of contracted pelvis. On 5/9/39, under chloroform anæsthesia, she had an external version to vertex performed. Labour was surgically induced by artificial rupture of the membranes on 8/9/39. Pains began on 10/9/39 at 7 p.m. On 13/9/39 patient had 30 ozs. of sickness and was therefore given 600 c.c. 20 per cent. glucose in normal saline intravenously. On 14/9/39 patient had 10 ozs. sickness. At 12.40 p.m. the head had been showing and there was foetal and maternal distress. Under chloroform anæsthesia a mid-forceps delivery was performed. No difficulty was encountered and the child was easily resuscitated. When the episiotomy was being repaired the patient suddenly collapsed. She became very cyanosed, and all efforts at resuscitation failed. Her pulse became very weak, and she died. Time under anæsthesia was twenty minutes. Fiscal P.M. exam.—No abnormality detected; death due to cardiac failure under general anæsthesia.</p>						
G.C.P. R.O.P. Forceps.	3565	27	1	A	39	—	SB
	<p>Previous history—nothing significant. Health was good throughout pregnancy. At the hospital ante-natal clinic the patient was noted to have a slight generally-contracted pelvis. She made ten visits in all. On 4/10/39, as the vertex was high and there was no overlap, she was admitted to the wards. The patient was not in labour, the B.P. was 115/70 and there was no albumen in the urine. By pelvic examination the promontory was just reached and there was some contraction at the outlet. The vertex was in the R.O.P. position, and was above the brim. Pains began on 2/11/39 at 2 p.m., and patient had omnopon, gr. <math>\frac{1}{2}</math>, and sodium anytal, gr. 6, followed by three doses of sodium anytal, gr. 3. On 3/11/39 morphia, gr. <math>\frac{1}{4}</math>, was given. The patient's pulse rose to 120 beats per minute and the foetal heart was 140 per minute. At 9.30 p.m. the head was in the mid-pelvis and a half-inch rim of cervix was still present. On 4/11/39, at 11.55 a.m., a rim of cervix was still present and morphia, gr. <math>\frac{1}{4}</math>, and hyocine, gr. 1/150, was given. At 2 p.m. 500 c.c. 20 per cent. glucose was given intravenously, and at 3.30 p.m., under chloroform anæsthesia, the delivery was begun. The pulse-rate was now 140 per minute. The head was manually rotated and mid-forceps delivery carried out. The child, which was still-born, weighed 8<math>\frac{3}{4}</math> lbs. The third-stage was uncomplicated, and the patient's condition after operation was only fair. On 5/12/39, M. and B. 693 two tablets four-hourly for thirty-six hours was prescribed. Strychnine, gr. 1/60, four-hourly, acetyl choline, pituitrin and morphia given. The patient remained very pale and shocked, and the abdomen was very distended. Vomiting began, and a continuous drip of glucose saline was begun. The patient became semi-conscious, breathing was laboured, and the pulse was imperceptible. She died on 6/11/39 at 1.50 p.m. P.M. exam.—Broncho-pneumonia (patchy); acute pyelonephritis and dilatation of both ureters; acute dilatation of the stomach.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
C.P. Cæsarean section. Obstetric shock.	3644	27	1	B	40	—	—
<p>Previous history—nothing significant. Patient had been well during the pregnancy. Before admission the patient had been in labour for three days. The cord had prolapsed and there was meconium staining. The uterus was full-time size, and the vertex, which was presenting, was free above the brim. The foetal heart-rate was 140 per minute. There was marked bowing of the tibiae. Temp. 99° F., pulse 95 per minute. At 12.10 p.m. the patient had 1/100 gr. atropine. Under ether anæsthesia the patient was examined. The cord was pulsating vigorously and the cervix was three-quarters dilated. The D.C. was 3<math>\frac{3}{4}</math> ins. One hour and forty minutes after admission a lower uterine segment cæsarean section was performed under vinesthene and ether. On her return from theatre patient had a rectal saline and two hours later morphia, gr. <math>\frac{1}{4}</math>. Two hours later the patient collapsed. She became pale, with cyanosis of the lips, and the pulse was very rapid and almost imperceptible. Breathing was shallow. There was no bleeding. In spite of stimulants the patient's condition deteriorated, and she died. P.M. exam.—Sub-endocardial hæmorrhages; obstetric shock.</p>							
Breech. Manual delivery. Death under anæsthesia.	432	41	6	B	40	—	SB
<p>Previous history—scarlet fever at ten years. Obstetric history—four full-time deliveries (all instrumental) and one abortion at two months. Had had no ante-natal care and apparently well throughout pregnancy. No foetal movements felt after 2/2/39. Membranes ruptured on morning of 3/2/39 and pains began at 5.30 p.m. Patient was admitted on 3/2/39 at 11.30 p.m., when she was distressed—temp. 99° F., resp. 124. Breech presentation, scrotum showing at vulva. Uterine contractions strong and frequent. No advance with pains, so manual delivery was decided on. Operation performed on 4/2/39 at 1.30 a.m. under gas, oxygen, ether and chloroform. Legs extended and only brought down with difficulty, and some difficulty was experienced with arms. The foetus, which weighed 8<math>\frac{1}{2}</math> lbs., was macerated. Just after delivery of foetus, patient suddenly took convulsions and pulse became imperceptible. She quickly became cyanosed and died at 2 a.m. The placenta was undelivered. No P.M. exam., except inspection of body by Crown Pathologist.</p>							
Breech. Manual delivery. Obstetric shock. Acute pulmonary œdema.	454	39	1	A	36	—	A
<p>Previous history—nothing significant. Had had ante-natal care by hospital clinic, from which patient was transferred to hospital when thirty-three weeks pregnant with raised blood pressure. Dismissed well after eleven days and readmitted in labour on 5/2/39 at 9.15 p.m. Membranes ruptured sixteen hours before admission and pains began an hour after rupture of membranes. General condition good, but the pains were poor and infrequent. The abdomen was thirty-six weeks' size, breech presenting. Pains quickly became stronger and by 4.45 a.m. on 6/2/39 patient had been in second-stage for two and a half hours with no advance. Pulse-rate 120 per minute. Under gas, oxygen and ether anæsthesia easy manual delivery of breech, with extended legs, was</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Compound presentation. Classical cæs. section. Post-operative collapse.	472	34	2	B	40	—	A
	<p>carried out. At the end of the operation patient was slightly cyanosed, with rapid respirations, but pulse was of fairly good volume. Cyanosis persisted, and oxygen and carbon dioxide were administered. At 7 a.m. pulse became poor in quality; 300 c.c. 50 per cent. glucose was given intravenously, with some improvement. At 8.30 a.m. she suddenly became deeply cyanosed, with feeble pulse, and she died at 9 a.m. P.M. exam.—Evidence of obstetric shock, with much pulmonary œdema.</p>						
Hypertensive toxæmia. Breech. Manual delivery. Obstetric shock.	2010	41	9	B	40	—	—
	<p>Previous history—scarlet fever in childhood. Obstetric history—three instrumental full-time deliveries and two spontaneous deliveries, all large children, three abortions. No ante-natal care until she visited hospital ante-natal clinic at thirty-eight weeks, complaining of vomiting and swelling of feet of two months' duration. Admission to hospital arranged at once. When admitted on 31/5/39 she was noted to have gross œdema of the legs. B.P. 150/75. No albuminuria. Routine treatment was carried out and by 3/6/39 the œdema had disappeared and B.P. had fallen to 135/70. Thereafter she remained well. Labour commenced on 16/6/39 at 7 a.m., and membranes ruptured at 12 mid-night. Child was born as a breech at 12.40 a.m. on 17/6/39, manual assistance being required for the head and shoulders. Light chloroform anæsthesia was used. At 1.15 a.m. the patient became very collapsed and there was a fairly severe post-partum hæmorrhage. She was restless and pale, with imperceptible pulse, and only semi-conscious. Placenta had not separated. She was given blood transfusion of 800 c.c., with marked improvement. She regained consciousness, her colour was pink, and the pulse regular, but of poor volume. At the end of the transfusion further profuse bleeding occurred, so placenta was expressed by Credé's method under the anæsthetic. Patient recovered well from the operation. At 3.30 a.m. she became restless and her lips were cyanosed. Breathing was rapid and forced and pulse was weak and irregular. Morphine, gr. <math>\frac{1}{4}</math>, given. At 4.5 a.m. she was given 50 per cent. glucose intravenously, without effect, and she died at 4.25 a.m. P.M. exam.—Evidence of obstetric shock.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Primiparous breech. Manual delivery. Obstetric shock.	3764	18	1	B	40	—	A
	Previous history—nothing significant. Patient had been well during the pregnancy. On admission she was noted to be well nourished and of good colour. B.P. was 155/120. The uterus was full-time size, with breech presenting. Pains had begun at 3 a.m. and the patient was having first-stage pains of moderate intensity every fifteen minutes. Cervix half dilated on admission. Patient continued to have pains, and six hours after admission it was decided to deliver her under gas, oxygen and vinesthene. Right lateral episiotomy performed and extended legs brought down with some difficulty. The body was born with the aid of fundal pressure and the arms delivered without difficulty. The head was delivered by the Mauriceau-Smellie-Veit manoeuvre, and the condition of the mother and child was satisfactory at the end of the operation. Four hours after operation patient complained of pains in the chest and abdomen and the pulse-rate was 120 per minute. She gradually became worse and collapsed completely. She became unconscious, with sighing respirations and imperceptible pulse, and died. P.M. exam.—Sub-endocardial hæmorrhages; obstetric shock.						
Second-stage delay. Forceps. Acute pulmonary œdema.	513	28	1	A	40	—	A
	Previous history—nothing significant. Patient had had ante-natal care by hospital clinic and had been well throughout pregnancy. Labour commenced at 3 a.m. on 10/2/39 and patient was admitted to hospital at 7.5 a.m., when her general condition was noted to be good. Temp. 97° F., pulse 86, resp. 20. Labour was rather protracted, and at 6.35 a.m. on 11/2/39 it was decided to complete the delivery on account of foetal distress. Patient was in very good condition, pulse-rate 90 per minute. Easy low forceps delivery was carried out under gas, oxygen and ether anæsthesia. The child was alive and healthy. At the end of the operation patient was rather blue and had some difficulty with respiration, the rate being 50 per minute. Pulse was rapid, but of good volume. There was marked cyanosis and respirations gradually became very "moist." At 8.20 a.m. she became very restless and cyanosis became deeper. There was a fine white froth at the nostrils and mouth. She appeared to be struggling for breath, and she died at 8.55 a.m. No P.M. examination.						
Hypertensive toxæmia. Forceps. Death under anæsthesia.	3836	22	1	A	38	—	A
	Previous history—nothing significant. Patient had been well during the pregnancy and had no toxic symptoms. On 19/10/39 she was sent by her own doctor to the hospital ante-natal clinic. She had been under his care and he sent her to the clinic on account of albuminuria. There was no albumen in the urine and B.P. was 135/85. She made two further visits to the ante-natal clinic and on 30/10/39 she was admitted to the hospital as the B.P. was 160/90. On admission the patient was noted to be a well-nourished woman, with no deformity and no œdema. The uterus was eight and a half months' size, the vertex was engaged and the foetal heart was good. The pelvic measurements were normal. B.P. continued to remain elevated and before the onset of labour it had risen to 200/100 (twenty-four days after admission). For two weeks before delivery the Esbach estimation was between two and three parts. The patient did not have any headaches or visual upset and during this time she had the routine ward treatment aiming at elimination by the bowel and by the skin. Labour began spontaneously on 24/11/39 at 12 mid-day, and at 6 p.m. the head began to show. The patient had inhalational						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis	Child.
F.F.O. Imminent rupture of uterus. L.U.S. caesarean section.	4139	27	3	B	40	—	A
Primary uterine inertia. Forceps.	3191	30	1	B	40	—	SB

analgesia, gas and air, followed by vinesthene, till 8.10 p.m., when preparations were made for a forceps delivery. Atropine, gr. 1/100, was given, and under chloroform anæsthesia an easy low forceps delivery was performed. The child was alive and the placenta was expelled five minutes later. While episiotomy was being stitched the patient took an opisthotonic fit, became cyanosed, and the pulse could not be felt at the wrist. Artificial respiration was carried out for half an hour. Hot cloths were applied to the præcordium and stimulants given. The patient did not respond to resuscitative measures, and died at 8.30 p.m. Fiscal P.M. exam.—Liver showed eclamptic changes; otherwise no abnormality detected.

Previous history—nothing significant. Obstetric history—one full-time pregnancy, spontaneous delivery of still-born child, one full-time pregnancy, instrumental delivery of live child. Patient was first seen by a doctor during this pregnancy in August. She was well throughout the pregnancy and suffered from no toxic symptoms, and was admitted to a local authority hospital for her confinement. Pains began on 27/11/39 at 9 p.m. and membranes ruptured at 7.30 p.m. On 28/11/39 she had slight vaginal hæmorrhage. Forceps were applied at 10 a.m., and as delivery was not effected and as bleeding was present, the vagina was packed. On admission the patient was in comparatively good condition, but her pulse was very rapid, 144 per minute. The uterus was full-time size and the vertex, which was presenting, was engaged. Fœtal heart-rate was 130 per minute, and she was having second-stage pains every five minutes. The pelvic measurements were normal and there was no disproportion. There was a trace of albumen in the urine. Under gas and oxygen, and later chloroform anæsthesia the patient was examined and a rim of cervix found to be present. The head was in the persistent occipito-posterior position. The lower segment was very thin and a Bandl's ring was present at the height of the umbilicus. As it was decided that rupture of the uterus was imminent the patient was delivered of a live child by lower uterine segment section under chloroform anæsthesia. Six hours later she had 600 c.c. 20 per cent. glucose in normal saline intravenously. Morphia, gr.  $\frac{1}{2}$ , was given, and this was followed by stimulants, i.e. coramine and digitalin. The patient was very pale and fourteen hours later she had a sudden cardiac collapse, and died. P.M. exam.—Signs of delayed obstetric shock; roomy pelvis; tear of the cervix.

Patient had had ante-natal care by her own doctor and had been well throughout pregnancy. Labour began thirty-six hours before admission. On admission she was noted to be well nourished, but rather exhausted, and the pains had passed off. The vertex was engaging and the cervix was three fingers dilated. On 31/8/39 morphia, gr.  $\frac{1}{4}$ , given at 7 p.m., and pains were poor, infrequent and irregular. On 1/9/39 morphia, gr.  $\frac{1}{4}$ , was given on three occasions and one pint of glucose was given intravenously. The cervix was not fully dilated and the fœtal heart was no longer heard. On 2/9/39 the patient had morphia, gr.  $\frac{1}{4}$ , on two occasions. At 2 p.m. she was found to be fully dilated and under chloroform and ether anæsthesia an easy mid-forceps delivery was carried out. There was no post-partum hæmorrhage. At 8.15 p.m. she was very cyanosed and the abdomen was distended. Acetyl choline was given. The pulse became almost imperceptible and respirations gasping. Intravenous glucose was started, but the patient died. P.M. exam.—Acute pyelonephritis and acute peritonitis.

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Elderly primigravida. Primary uterine inertia. Craniotomy.	4471	41	1	B	40	—	—
<p>Previous history—nothing significant. Ante-natal care by own doctor. Patient had been well during the pregnancy. Four days before admission she had blood-stained discharge and vague abdominal pains and backache. On admission—Temp. 97° F., pulse 160, volume only fair, B.P. 140/90. The pelvic measurements were normal, the uterus full-time size, with vertex presenting, the head being in the cavity of the pelvis. The foetal heart was not heard and meconium was being passed. The patient was very exhausted. On 28/12/39 the patient had morphia, gr. <math>\frac{1}{4}</math>, on two occasions, and on 29/12/39 at 5.30 a.m. she had 300 c.c. 50 per cent. glucose intravenously, and at 5.50 a.m. omnopon, gr. <math>\frac{1}{3}</math>. Patient was having fair pains, but her general condition was deteriorating. Delivery was carried out at 12.50 p.m. First-stage—four days and twelve hours. The os was four fingers dilated and the anterior part of the cervix was sloughing off. Craniotomy was performed and delivery effected under chloroform and ether anaesthesia by traction. At 2.30 p.m. patient had 300 c.c. 50 per cent. glucose intravenously, and 4.30 p.m., atropine, gr. 1/100. Coramine, 1.7 c.c., was administered. The pulse was now imperceptible and respirations sighing in character. At 5.45 p.m. the placenta was manually removed and following this the patient became unconscious, and died at 12.30 a.m. P.M. exam.—Signs of obstetric shock.</p>							
<b>4. COMPLICATION OF PUERPERIUM.</b>							
Incomplete abortion. Curettage. Septic phlebitis and endometritis. General peritonitis.	198	34	4	B	12	S	—
<p>Previous history—nothing significant. Obstetric history—three full-time spontaneous deliveries. Patient admitted on 16/1/39 with history of bleeding and abdominal pain. General condition good. Patient treated as threatened abortion, but incomplete abortion occurred on 18/1/39, a portion of placenta being retained. Digital curettage was performed seventeen hours later and remains of placenta noted to be rather foul smelling. On 20/1/39 patient had a rigor and temperature rose to 103.4° F. and remained elevated thereafter, when several rigors occurred. On 21/1/39 abdominal tenderness was present and patient became pale and ill-looking. Staphylococci were grown from cervical swab on 23/1/39. Abdomen was distended and pulse was rapid and weak. Large doses of prontosil were given and she improved slightly, but became worse on 27/1/39. Intravenous drip saline and glucose was started, but she died on 28/1/39. P.M. exam.—Sepsis of left cornu of uterus, left appendages and left ovarian vein; general peritonitis and broncho-pneumonia.</p>							
Shoulder presentation. Placenta accreta. Retained placenta. Subtotal hysterectomy. General peritonitis.	1423	24	2	B	41	S	A
<p>Previous history—nothing significant. Obstetric history—one full-time spontaneous delivery. Patient was apparently well throughout the pregnancy. Shoulder presentation was discovered at the ante-natal clinic on 14/4/39, and she was admitted to hospital on 18/4/39. Spontaneous version to vertex occurred and the child was born spontaneously at 6 p.m. on 19/4/39. The placenta was retained. Manual removal of placenta was attempted on 20/4/39, but the placenta was found to be densely adherent. A blood transfusion was given. She</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
<p>Ante-partum eclampsia. Twins. Surg. induction. A.R.M. Peritonitis.</p>	3136	30	1	B	40	P	SB and SB
	<p>remained fairly well, but ran an irregular fever, with occasional rigors. A blood transfusion of 400 c.c. was given on 24/4/39. On 25/4/39 subtotal hysterectomy was performed under spinal anæsthesia, and the abdomen was drained. This was followed by a blood transfusion of 400 c.c. The patient was treated with prontosil and she remained fairly well until the evening of 26/4/39, when slight abdominal distension occurred. She was treated with pituitrin, acetyl choline and enemeta, without effect. General condition deteriorated, and vomiting began. Continuous intravenous drip saline and glucose was given. Continuous suction drainage of duodenum was commenced, but her condition deteriorated, and she died on 1/5/39. P.M. exam.—General peritonitis; thrombosis of left renal vein; cervical stump septic.</p>						
<p>Spont. delivery. Thrombosis of pelvic veins. Pulmonary embolism.</p>	3506	34	4	A	40	P	A
	<p>Previous history—nothing significant. Obstetric history—three full-time pregnancies; first instrumental, others spontaneous. Patient had complained of acute attacks of vomiting occurring at night throughout the pregnancy and swelling of ankles for one month. Pains had begun two hours before admission and membranes ruptured. On admission she was noted to be a healthy and well-nourished woman, with no œdema and no deformity. Temp. 98.2° F., pulse 94 per minute, B.P. 140/80. The uterus was full-time size, with vertex presenting low in pelvis. Pains were occurring every five minutes. The patient was delivered spontaneously of a living child two hours after admission. On the sixth day of the puerperium the patient had a temperature of 101.4° F. The temperature settled the next day and the patient was well until the tenth day, when the temperature was 99.4° F. Urine, throat swab and cervical swab were negative. She was transferred to Isolation, and M. and B. 693, two tablets, given four-hourly. On the tenth day of the puerperium the patient had a bout of coughing, her respirations were very distressed, and she died. P.M. exam.—Pulmonary embolism.</p>						

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
Second-stage delay. Forceps. Septic broncho-pneumonia. Lung abscess.	4765	39	1	B	39	—	A
<p>Previous history—nothing significant. Ante-natal care by own doctor. Patient was apparently well until last week of pregnancy, when she developed œdema of ankles and was found to have slight albuminuria. Patient was admitted on 28/12/39. B.P. 120/80; slight albuminuria and œdema of ankles. Uterus was full-time size, vertex presenting. On 2/1/39 labour was surgically induced by artificial rupture of the membranes. Labour lasted forty-five hours and was terminated by forceps on account of foetal distress. Ether on an open mask was used for the anæsthetic. The child was alive and weighed 8 lbs. On the day after delivery she developed signs of bronchitis. This persisted, with irregular fever. On 18/1/39 she had definite signs of broncho-pneumonia. Her condition steadily deteriorated, and she died on 20/1/39. P.M. exam.—Suppurative broncho-pneumonia, with abscesses in lung.</p>							
Epilepsy. Spont. delivery. Septic endometritis.	1489	23	4	A	40	—	A
<p>Previous health—history of epileptic fits over last four years. Obstetric history—two normal full-time spontaneous deliveries and one abortion at four months. Ante-natal care by hospital clinic. She was apparently well until one month before delivery, apart from occasional epileptic fits. She complained of headaches and swelling of feet and was in hospital for seven days. She was admitted in labour on 23/4/39 with a history of epileptic fit on the previous evening. B.P. 146/90. No albuminuria. General condition good. Spontaneous delivery occurred after a labour lasting seventeen and a half hours. The pulse-rate on first and second day of puerperium was elevated and the lochia was slightly offensive, but patient felt very well. On 30/4/39 (the seventh day of the puerperium), at 12 midnight, she suddenly took an epileptic fit, became comatose, and died in five minutes. P.M. exam.—No abnormality, apart from some uterine sepsis.</p>							
Hypertensive toxæmia. C.P. F.F.O. Perforation and traction. Septic endometritis.	2611	34	1	B	44	S	SB
<p>Previous history—nothing significant. Ante-natal care by own doctor. She was apparently well throughout pregnancy, apart from swelling of the ankles for six weeks before admission. Labour commenced at 12 mid-day on 15/7/39, and progress was slow, and doctor made an unsuccessful attempt at delivery by the forceps on 16/7/39 at 3 p.m. On admission to hospital at 9 p.m. on 16/7/39 she was rather exhausted. Temp. 99.8° F., pulse 140, resp. 22. There were no uterine contractions and the foetal head was above the brim and there was some disproportion. On vaginal examination D.C. was noted to be 4½ ins. and the cervix was found to be three-quarters dilated. The B.P. was 180/120 and the urine contained albumen, 6.5 parts Esbach. No foetal heart was heard. Intravenous glucose and saline was given, following which she had very poor uterine contractions and the head did not descend into pelvis. The pulse was rapid, 130-140, and the temperature was running between 97° F. and 101° F. On 18/7/39 at 2.45 p.m. patient's distress was increasing, so</p>							

Nature of Case.	Reg. No.	Age.	Parity.	Category.	Maturity.	Pyrexia or Sepsis.	Child.
<p>B.B.O. P.P. eclampsia. Thrombo-phlebitis.</p>	1459	28	2	B	—	S	—
<p>head was perforated and continuous traction applied by means of Willet's forceps, as there was a rim of cervix left. At 10.30 p.m. patient's pulse had risen to 160 per minute, and cervix was fully dilated, so child was delivered by traction under spinal anæsthesia. Patient was rather collapsed after operation, so blood transfusion was given, with improvement. She gradually became weaker during the following day and temperature remained elevated and pulse rapid and weak. The lochia was very foul. She became comatose, and died on 20/7/39 at 12.40 p.m. P.M. exam.—Gross septic endometritis.</p>							
<p>Previous history—nothing significant. Obstetric history—one full-time spontaneous delivery. Ante-natal care by own doctor. Patient was apparently well throughout pregnancy until a few weeks before delivery, when swelling of feet occurred. Labour began at 9.15 a.m. on 20/4/39 and spontaneous delivery of twins occurred at 11.30 p.m. on 20/4/39 and 12.15 a.m. on 21/4/39. At 5.55 a.m. a typical eclamptic fit occurred and two further fits occurred before admission to hospital at 7.40 a.m. on 21/4/39. On admission patient was unconscious and cyanosed. Oedema of the legs was marked; B.P. 170/80 and the urine contained albumen, five parts Esbach. One fit occurred just after admission. Patient treated by the Stroganoff method, i.e. mag. sulph. subcutaneously, chloroform, oxygen and morphine. Cyanosis was very marked and she did not improve until 23/4/39. On 24/4/39 temperature became elevated, 100.4° F., but the general condition was good. On 27/4/39 temperature rose to 105° F. and pulse to 130 per minute. Respirations were rapid and she was mentally confused. No definite lesion was detected on physical examination. By 29/4/39 condition was very poor and there was evidence of broncho-pneumonia and pleurisy at the right lung base. She died at 2.10 a.m. on 30/4/39. P.M. exam.—Septic thrombo-phlebitis of parametral and ovarian veins; uterine sepsis; septic pericarditis and pleurisy, with much effusion; some remaining evidence of eclampsia.</p>							

## STILL-BIRTHS AND NEO-NATAL DEATHS.

1. *Still-births.*

The total number of still-births in the indoor cases during the year was 421. Since the total number of viable children born was 3,236, this gives an incidence of still-births of 13 per cent.

2. *Neo-natal Deaths.*

The total number of neo-natal deaths was 215. The number of live-born children being 2,815, this gives an incidence of neo-natal death of 7.6 per cent.

## PUERPERAL FEVER AND PUERPERAL PYREXIA.

The following tables have been prepared from the records of hospital cases who developed puerperal fever or puerperal pyrexia while in the wards.

The standard used was that of the Department of Health, which defines puerperal pyrexia as any febrile condition (other than a condition which is required to be notified as puerperal fever) occurring in a woman within 21 days after child-birth or miscarriage, in which a temperature of 100.4° F. or more has been sustained during a period of 24 hours, or has recurred during that period. In order to obtain more accurate figures, elevations of temperature occurring immediately after delivery, miscarriage or abortion are included, and all temperatures have been taken from four-hourly records.

The puerperal sepsis table gives the distribution of cases in the two categories and indicates the mode of delivery in the cases in which sepsis was found.

Details of the cases who died of puerperal sepsis in the Hospital are to be found in the section on maternal deaths.

There were 27 cases of puerperal sepsis transferred to Isolation Hospitals. A table has been made showing mode of delivery and the ultimate result in these cases.

*Puerperal Sepsis and Pyrexia.*

Mode of Delivery.	Sepsis.		Pyrexia.		Total.
	Cat. A.	Cat. B.	Cat. A.	Cat. B.	
Spontaneous - - -	10	8	42	44	104
Forceps - - - -	3	5	16	24	48
Cæsarean section - - -	—	1	11	10	22
Craniotomy - - - -	—	2	1	2	5
Abortion - - - - -	—	7	—	8	15
Manual delivery - - -	—	5	1	7	13
Abdominal hysterectomy - - -	—	—	—	1	1
Vaginal hysterotomy - - -	—	1	—	—	1
Abdominal hysterotomy - - -	—	—	—	2	2
B.B.O. - - - - -	1	7	2	6	16
Totals - - - - -	14	36	73	104	227

*Cases of Sepsis Transferred to Isolation Hospitals.*

Nature of Case.	Result.		Total.
	Recovered.	Died.	
Spontaneous - - - - -	8	2	10
Forceps - - - - -	4	—	4
Cæsarean section - - - - -	1	—	1
Abortion - - - - -	6	—	6
Manual delivery - - - - -	3	—	3
B.B.O. - - - - -	3	—	3
Totals - - - - -	25	2	27

*Pyrexia. Category A.*

Mode of Delivery.	Pyrexia (unknown origin).	Mastitis.	Urinary.	Respiratory.	Pulmonary T.B.	Lobar pneumonia.	Peritonitis.	Phlebitis.	Pyæmic abscess.	Erysipelas.	Tonsillitis.	Delayed chloroform poisoning.	Total.
Spontaneous	17	13	9	3	—	—	—	—	—	—	—	—	42
Forceps	10	3	2	1	—	—	—	—	—	—	—	—	16
Cæsarean section	4	2	2	2	1	—	—	—	—	—	—	—	11
Craniotomy	—	—	1	—	—	—	—	—	—	—	—	—	1
Manual delivery	—	—	1	—	—	—	—	—	—	—	—	—	1
B.B.O.	2	—	—	—	—	—	—	—	—	—	—	—	2
Totals	33	18	15	6	1	—	—	—	—	—	—	—	73

*Pyrexia. Category B.*

Spontaneous	16	12	3	6	1	1	—	2	—	1	2	—	44
Forceps	7	1	8	3	—	1	1	1	1	—	—	1	24
Cæsarean section	4	—	2	4	—	—	—	—	—	—	—	—	10
Craniotomy	2	—	—	—	—	—	—	—	—	—	—	—	2
Abortion	4	—	2	2	—	—	—	—	—	—	—	—	8
Manual delivery	3	—	3	—	—	1	—	—	—	—	—	—	7
Abdominal hysterotomy	—	—	—	—	1	—	—	—	—	—	—	—	1
Abdominal hysterectomy	2	—	—	—	—	—	—	—	—	—	—	—	2
B.B.O.	2	1	1	—	—	2	—	—	—	—	—	—	6
Totals	40	14	19	15	2	5	1	3	1	1	2	1	104

ABORTIONS, MISCARRIAGES AND MISSED ABORTIONS.

There were 458 cases admitted on account of incomplete, threatened or missed abortion during the year. Of these, 41 were in Category A and 417 were in Category B.

MOLE.

There were 10 cases of hydatidiform mole in the hospital during the year.



