

UK Obstetric Surveillance System

Severe Maternal Sepsis Study 03/11

Data Collection Form - CASE

Please report any woman delivering on or after 1st June 2011 and before 1st June 2013.

Case Definition:

Any pregnant or recently pregnant woman (up to 6 weeks postpartum) diagnosed with severe sepsis (irrespective of the source of infection). Report only cases diagnosed as having severe sepsis by a senior clinician.

A severe sepsis case would be expected to include women in one of the following groups:

- 1. Death related to infection or suspected infection
- 2. Any women requiring level 2 or level 3 critical care (or obstetric HDU type care) due to severe sepsis or suspected severe sepsis
- 3. A clinical diagnosis of severe sepsis

As a guide, clinical diagnosis of severe sepsis would usually be associated with 2 or more of the following:

- a. Temperature >38°C or <36°C measured on 2 occasions at least 4 hours apart
- b. Heart rate >100 beats/ minute measured on 2 occasions at least 4 hours apart
- c. Respiratory rate >20/ minute measured on 2 occasions at least 4 hours apart
- d. White cell count >17x109/L or <4x109/L or with >10% immature band forms, measured on 2 occasions

SIPER ARDIN

Please return the completed form to:

UKOSS
National Perinatal Epidemiology Unit
University of Oxford
Old Road Campus
Oxford
OX3 7LF

Fax: 01865 617775

ollege of Phone: 01865 289714

Case reported in:





Instructions

- 1. Please do not enter any personally identifiable information (e.g. name, address or hospital number) on this form.
- 2. Please record the ID number from the front of this form against the woman's name on the Clinician's Section of the blue card retained in the UKOSS folder.
- 3. Fill in the form using the information available in the woman's case notes.
- 4. Tick the boxes as appropriate. If you require any additional space to answer a question please use the space provided in section 7.
- 5. Please complete all dates in the format DD/MM/YY, and all times using the 24hr clock e.g. 18:37
- 6. If codes or examples are required, some lists (not exhaustive) are included on the back page of the form.
- 7. If the woman has not yet delivered, please complete the form as far as you are able, excluding delivery and outcome information, and return to the UKOSS Administrator. We will send these sections again for you to complete two weeks after the woman's expected date of delivery.
- 8. If you do not know the answers to some questions, please indicate this in section 7.
- 9. If you encounter any problems with completing the form please contact the UKOSS Administrator or use the space in section 7 to describe the problem.

Sec	ction 1: Woman's details	
1.1	Year of birth:	YYYY
1.2	Ethnic group:1* (enter code, please see back cover for	guidance)
1.3	Marital status:	single married cohabiting
1.4	Was the woman in paid employment at booking?	Yes No No
	If Yes, what is her occupation:	
	If No, what is her partner's (if any) occupation:	
1.5	Height at booking:	cm
1.6	Weight at booking:	kg
1.7		never gave up prior to pregnancy
1.7		gave up during pregnancy
		anone gave up during programay
Sec	ction 2: Previous Obstetric History	
2.1	Gravidity	
	Number of completed pregnancies beyond 24 weeks:	
	Number of pregnancies less than 24 weeks:	
	If no previous pregnancies, please go to section 3	
2.2	Did the woman have any previous pregnancy proble	ems? ^{2*} Yes No
	If Yes, please specify:	
2.3	Did the woman have any previous Caesarean section	ns? Yes \(\sum \) No \(\sum \)
	If Yes, how many?	

Sec	ction 3: Previous Medica	al History					
3.1	1 Does the woman have a history of recurrent infections? Yes				s No		
	If Yes, please specify:	•					
3.2	Was the woman immuno-compromised (including taking immuno-suppressants)? Yes No			s No			
	If Yes, please specify cause:						
3.3	Does the woman have (or ha	ve a history of) diabetes?				Yes	s No No
3.4	Does the woman have a history of a sexually transmitted infection? ^{3*} Yes No			No 🗌			
	If Yes, please give details:						
3.5	Does the woman have any other	ner previous or pre-existing r	nedica	l prob	olems?	?4* Yes	S No
	If Yes, please specify:						
3.6	Does the woman or any houseweeks prior to presentation)		nt histo	ory (tv	NO		
			Won	nan	Но	useho	ld member
			Yes	No	Yes	No	Not Known
		Sore throat					
		Respiratory infection					
		Diarrhoea					
		Vomiting					
		Flu-like illness					
		Sustained abdominal pain					
		Mastitis (>48 hrs duration)					
Sec	ction 4: This Pregnancy	- Antenatal Informatio	n				
					Г		
4.1	Final Estimated Date of Deliv				L	0 0 7	M M / Y Y
4.2	Was this a multiple pregnand					Yes	S No
43	If Yes, please specify number	or retuses.			П		M M / V V
4.4	 4.3 Date of booking: 4.4 Did the woman have any invasive antenatal procedures, eg CVS, 						
	amniocentesis? Yes No				S No		
	If Yes, please specify:						
4.5	Was the woman prescribed ant	ibiotics in the two weeks prior	to her	sever	e seps	is?Yes	S No
	If Yes: What antibiotics were to						
4.0	What was the indication?						
4.6	Were there any other problem					Yes	S No No
	If Yes, please specify:						

Section 5: Delivery and Diagnosis of Sepsis				
Section 5a: Delivery				
5a.1 Did the woman have a miscarriage? Yes No				
If Yes, please specify date:	Υ			
5a.2 Did the woman have a termination of pregnancy? Yes No	一			
If Yes, please specify date:	Υ			
If Yes to 5a.1 or 5a.2, please now complete sections 5b, 6a, 7 and 8				
5a.3 Is the woman still undelivered?				
If Yes, will she be receiving the rest of her antenatal care from your hospital?				
If No, please indicate name of hospital providing future care:				
Will she be delivered at your hospital?	\neg			
If No, please indicate name of delivery hospital, then <i>go to Section 7</i>				
5a.4 Was delivery induced? Yes No [
If Yes, please state indication:				
Was vaginal prostaglandin used?				
5a.5 What was the date and time of membrane rupture?	m			
5a.6 Did the woman labour?				
If Yes, what was the date and time labour was diagnosed?	m			
How many vaginal examinations were documented?				
Was fetal blood sampling performed?				
Was a fetal scalp electrode used?				
Were there any complications of vaginal delivery (e.g. episiotomy, 2nd, 3rd or 4th degree tear)? Yes No Not applicable				
If Yes, please specify:				
Did the woman undergo a manual removal of placenta? Yes No Not applicable				
5a.7 Did the woman deliver at home?				
5a.8 Was delivery by caesarean section? Yes No				
If Yes, please state:				
Grade of urgency:6*				
Indication for caesarean section:				
Method of anaesthesia: Regional General anaesthetic				
Were prophylactic antibiotics given?				
If Yes, please give names of antibiotics given:				
Were there any complications during the surgery? Yes No				
If Yes, please specify:				

5a.9	Did the woman have any of the following prior to diagnosic (please tick all that apply) Intravenous lines ('ver					
	Intra-arterial lines In-out urinary catheter	In-dwelling urinary catheter				
5a.10	Did the woman have an epidural or a spinal for anaesthes	ia/analgesia? Yes No				
5a.11	Was the woman admitted/re-admitted after delivery?	Yes No				
	If Yes, what was date of admission/re-admission?	DD/MM/YY				
	Please state the reason for admission/re-admission:					
Sec	Section 5b: Diagnosis and Management of Sepsis					
5b.1	What was the date and time of severe sepsis diagnosis?	DD/MM/YY hh:mm				
5b.2	Where was the woman when sepsis was first suspected?	Hospital Home				
5b.3	Did the woman have any of the following:					
	A temperature >38°C measured on 2 occasions at least 4 hou	rs apart? Yes No				
	If Yes: Date and time first recorded:	DD/MM/YY hh: mm				
	Date and time last recorded:	DD/MM/YYhh:mm				
	A temperature <36°C measured on 2 occasions at least 4 hou	rs apart? Yes No				
	If Yes: Date and time first recorded:	DD/MM/YY hh: mm				
	Date and time last recorded:	DD/MM/YY hh: mm				
	Heart rate >100 beats/ minute measured on 2 occasions at lea	ast 4 hours apart? Yes No				
	If Yes: Date and time first recorded:	DD/MM/YY hh:mm				
	Date and time last recorded:	DD/MM/YY hh: mm				
	Respiratory rate >20/minute measured on 2 occasions at least					
	If Yes: Date and time first recorded:	DD/MM/YY hh: mm				
	Date and time 2nd recorded:	DD/MM/YY hh:mm				
	White cell count >17 x10 ⁹ /L, on two occasions?	Yes No				
	If Yes: Date and time first recorded:	DD/MM/YY hh:mm				
	Date and time 2nd recorded:	D D / M M / Y Y h h : m m				
	White cell count <4 x10 ⁹ /L, on two occasions?	Yes No				
	If Yes: Date and time first recorded:	DD/MM/YY hh:mm				
	Date and time 2nd recorded:	DD/MM/YY hh:mm				
	White cell immature band forms > 10%, on two occasions?	Yes No Not done				
	If Yes: Date and time first recorded:	DD/MM/YY hh:mm				
	Date and time 2nd recorded:	DD/MM/YY hh:mm				

5b.4	Was there laboratory confirmed	infection?	Yes No
	If Yes: What was the source of the sample (e.g. blood, urine, etc.)?		
	Date of first positive sample:	, ,	DD MM MYY
	Organism identified:		
5b.5	What was the primary source of	the infection which caused the seps	is?
5b.6	Was septic shock diagnosed?		Yes No
	If Yes, what was the date of diagn	osis?	DD/MM/YY
5b.7	Please record the following or t	ick if not measured	
		Lowest systolic BP mmHg	OR Not measured
		Highest lactate mmol/L	OR Not measured
		Greatest base deficit	OR Not measured
		Lowest pH .	OR Not measured
5 b.8	Were antibiotics administered for	or severe sepsis?	Yes No
	If Yes, please list in table below (C	Continue in section 7 if necessary).	
	Antibiotic	Route Date started	Date stopped
		D D / M M / Y Y	DD/MM/YY
		D D / M M / Y Y	DD/MM/YY
Soc	etion 6: Outcomes		
	tion 6a: Woman		
6a.1	Was the woman admitted to HD	U (including obstetric HDU) or level 2	care? Yes No No
	If Yes, duration of stay:		days
	OR Tick if woman is still in HDU o		
	OR Tick if woman was transferred		\square \square
6a.2	Was the woman admitted to ITU	or level 3 care?	Yes No No
	If Yes, duration of stay:		days
	OR Tick if woman is still in ITU or		
	OR Tick if woman was transferred		
6a.3	Did any other major maternal m	orbidity occur? ^{7*}	Yes No
	If Yes, please specify:		
6a.4	Has the woman been discharge	d from hospital after her episode of s	epsis? Yes No
	If Yes, what was the date of the w	oman's final discharge from hospital?	D D / M M / Y Y
6a.5	Did the woman die?		Yes No
	If Yes, please specify date and time	ne of death	M/YY hh:mm
		eath as stated on the death certificate?	Zellf

Section 6b: Infant 1			
NB: If more than one infant, for each additional infant, plea (before filling it in) and attach extra sheet(s) or down www.npeu.ox.ac.uk/ukoss	• • • •		
6b.1 Date and time of delivery:	DD/MM/YY hh:mm		
6b.2 Mode of delivery:			
Spontaneous vaginal Ventouse Li	ft-out forceps Rotational forceps		
Breech Pre-labour caesarean section	Caesarean section after onset of labour		
6b.3 Birthweight:			
6b.4 Sex of infant:	Male Female Indeterminate		
6b.5 Was the infant stillborn?	Yes No		
If Yes, please go to section 7.			
6b.6 5 min Apgar:			
6b.7 Was the infant admitted to the neonatal unit?	Yes No		
6b.8 Was the infant septic?	Yes No		
6b.9 Did any other major infant complications occur?8*	Yes No		
If Yes, please specify:			
6b.10 Did this infant die?	Yes No		
If Yes, please specify date and time of death What was the primary cause of death as stated on the (Please state if not known)	e death certificate?		
Section 7:			
Please use this space to enter any other information you fe	el may be important		
Section 8:			
8.1 Name of person completing the form:			
8.2 Designation:			
8.3 Today's date:	DD/MM/YY		
You may find it useful in the case of queries to keep a copy of this form.			

Definitions

1. UK Census Coding for ethnic group

WHITE

01. British

02. Irish

03. Any other white background

MIXED

04. White and black Caribbean

05. White and black African

06. White and Asian

07. Any other mixed background

ASIAN OR ASIAN BRITISH

08. Indian

09. Pakistani

10. Bangladeshi

11. Any other Asian background

BLACK OR BLACK BRITISH

12. Caribbean

13. African

14. Any other black background

CHINESE OR OTHER ETHNIC GROUP

15. Chinese

16. Any other ethnic group

2. Previous or current pregnancy problems, including:

Thrombotic event

Amniotic fluid embolism

Eclampsia

3 or more miscarriages

Preterm birth or mid trimester loss

Neonatal death

Stillbirth

Baby with a major congenital abnormality

Small for gestational age (SGA) infant

Large for gestational age (LGA) infant

Infant requiring intensive care

Puerperal psychosis

Placenta praevia

Gestational diabetes

Significant placental abruption

Post-partum haemorrhage requiring transfusion

Surgical procedure in pregnancy

Hyperemesis requiring admission

Dehydration requiring admission

Ovarian hyperstimulation syndrome

Severe infection e.g. pyelonephritis

Rh(D) alloimmunisation

3. Previous history of sexually transmitted infection, including:

HIV

Syphilis

Gonorrhoea

Chlamydia

Genital herpes

Hepatitis C

4. Previous or pre-existing maternal medical problems, including:

Diabetes

Cardiac disease (congenital or acquired)

Renal disease

Endocrine disorders e.g. hypo or hyperthyroidism

Psychiatric disorders

Haematological disorders e.g. sickle cell disease,

diagnosed thrombophilia, anaemia

Inflammatory disorders e.g. inflammatory bowel

disease

Autoimmune diseases

Cancer

Depression

Estimated date of delivery (EDD): Use the best estimate (ultrasound scan or date of last menstrual period) based on a 40 week gestation

6. RCA/RCOG/CEMACH/CNST Classification for urgency of caesarean section:

- 1. Immediate threat to life of woman or fetus
- 2. Maternal or fetal compromise which is not immediately life-threatening
- 3. Needing early delivery but no maternal or fetal compromise
- 4. At a time to suit the woman and maternity team

7. Major maternal medical complications, including:

Persistent vegetative state

Cardiac arrest

Cerebrovascular accident

Adult respiratory distress syndrome

Disseminated intravascular coagulopathy

HELLP

Pulmonary oedema

Mendleson's syndrome

Renal failure

Thrombotic event

Required ventilation

8. Fetal/infant complications, including:

Respiratory distress syndrome

Intraventricular haemorrhage

Necrotising enterocolitis

Neonatal encephalopathy

Chronic lung disease

Severe jaundice requiring phototherapy

Major congenital anomaly

Severe infection e.g. septicaemia, meningitis

Exchange transfusion