

A study protocol for a population-based observational surveillance study describing culture-confirmed neonatal bloodstream infections and meningitis in South Africa: Baby GERMS-SA

Authors

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Baby GERMS neonatal sepsis surveillance protocol

Supplementary material

Supplementary table: Baby GERMS neonatal sepsis surveillance project data dictionary for tier 2 enhanced surveillance data collection tool on REDCap

Variable / Field Name	Form Name	Field Type	Field Label
study_id	lab_form	text	Patient Study ID
episode_no	lab_form	text	Episode Number
patient_surname	lab_form	text	Patient Surname
patient_name	lab_form	text	Patient First Names
birth_date	lab_form	text	Date of birth
gender	lab_form	text	Gender
folder_no	lab_form	text	Folder Number
spec_date	lab_form	text	First specimen collection date
hosp_name	lab_form	text	Hospital name
province_name	lab_form	text	Province name
spec_type	lab_form	text	Specimen type
organism_name	lab_form	text	Organism Name
received_by_charm	lab_form	text	Received by CHARM
specm_date	isolates	text	Specimen Collection date
nicu_admdate	treatment_history	text	NICU admission date
pt_ref	treatment_history	dropdown	Was patient referred from another hospital
ref_date	story	text	Date of admission at [ref_facility]
ref_facility	treatment_history	text	If Yes, state facility name where patient was referred from
ref_days	story	calc	Number of days at referred facility [ref_facility] before transferred to [hosp_name]
adm_birth_yes	treatment_history	radio	Was the baby admitted since birth [yes/no]
trans_outfac	story	dropdown	Was patient transferred to another hospital?
date_transf	treatment_history	text	Date transferred out to [fac_name]
fac_name	story	text	If Yes, specify hospital name
momhiv_status	treatment_history	radio	Maternal HIV Status of [mom_surname] [mom_name]
hivstatus_child	story	radio	HIV status child
hivtest	treatment_history	radio	HIV test type
hiv_date	story	text	HIV Test date
child_exposure	treatment_history	radio	Was the child exposed to HIV-infection [exposed/unexposed]

Baby GERMS neonatal sepsis surveillance protocol Supplementary material

antib_prior	treatment_history	dropdown	Antimicrobial treatment in 2 weeks prior to culture?
diagn_organism	treatment_history	checkbox	Diagnosis related to organism isolated
del_mode	antenatal_history	checkbox	Type of delivery
gestage	antenatal_history	text	Gestational age at birth
prem_reason	antenatal_history	radio	If Gestational age of [gestage] weeks is below 37, state premature reasons
mat_cond	antenatal_history	checkbox	Maternal condition
fet_cond	antenatal_history	checkbox	Fetal conditions
antib_intrap	antenatal_history	dropdown	Were intrapartum antibiotics given to the mother?
antib_intra	antenatal_history	checkbox	If YES state antibiotics prescribed and dates
birth_wght	antenatal_history	text	Birth weight
pregn_type	antenatal_history	dropdown	Pregnancy type [singleton, twin, triplet, etc]
birth_plc	antenatal_history	dropdown	Place of birth
home_birth	antenatal_history	dropdown	If delivery at Home, was birth attended?
resusc	antenatal_history	dropdown	Was resuscitation required at birth?
resusc_type	antenatal_history	radio	Types of resuscitation
resusc_oth	antenatal_history	text	If Other resuscitation, specify
apgr_1min	antenatal_history	text	Apgar score at 1 minute
apgr_5min	antenatal_history	text	Apgar score at 5 minutes
apgr_10min	antenatal_history	text	Apgar score at 10 minutes
anten_steroids	antenatal_history	dropdown	Antenatal steroids use
preg_num	antenatal_history	text	Total number of pregnancies (gravidity)
preg_birth	antenatal_history	text	Total number of births (parity) include this child in the number
mom_age	antenatal_history	text	Maternal age of [mom_surname] [mom_name] in Years
mom_educ	antenatal_history	dropdown	Maternal education of [mom_surname] [mom_name]
relat_status	antenatal_history	dropdown	Relationship status of [mom_surname] [mom_name]
empl_status	antenatal_history	dropdown	Employment status of Mother, [mom_name] [mom_surname]
preg_compl	antenatal_history	radio	Any pregnancy related infection?

Baby GERMS neonatal sepsis surveillance protocol

Supplementary material

curr_wght	medical_hist ory	text	Current weight done closest to specimen date [spec_date]
invasive	medical_hist ory	radio	Invasive devices required by the child?
invas_spec	medical_hist ory	checkbox ox	If Invasive = [invasive] specify, select all that apply
pulse_rate	medical_hist ory	radio	Pulse rate
resp_rate	medical_hist ory	text	Respiratory rate
tachyp_yes	medical_hist ory	radio	Tachypnea present?
tachyp_no	medical_hist ory	radio	Tachypnea present?
oxyg_res	medical_hist ory	text	Oxygen saturation
bld_syst	medical_hist ory	text	Blood pressure result (Systolic)
bld_diast	medical_hist ory	text	Blood pressure result (Diastolic)
temp_rest	medical_hist ory	text	Temperature result
resp_dist	medical_hist ory	calc	Respiratory distress symptoms?, (Yes, if any of options 1-7 is checked)
resp_req	medical_hist ory	calc	Respiratory support required? (Yes, if any of options 1-6 is checked, No, if None is checked)
resp_improv	medical_hist ory	radio	Has respiratory support increased since day prior to specimen collection? Ie increased ventilation, new intubation, more O2 required
feed_prob	medical_hist ory	calc	Does the infant have feeding problems
cardio_inst	medical_hist ory	calc	Cardio vascular instability indicated?
cns_symp	medical_hist ory	checkbox ox	Central Nervous System symptoms?
umbil	medical_hist ory	radio	Umplical sepsis noted?
h2_startdate	medical_hist ory	text	H2 blockers started?
curr_feed	medical_hist ory	checkbox ox	Current feeding
feed_type	medical_hist ory	checkbox ox	Type of feeding
abnorm_oth	medical_hist ory	text	Other underlying abnormality, specify
antib_pos	medical_hist ory	dropdo wn	Antimicrobial treatment at time of positive culture?
wcc_count	medical_hist ory	text	White cell count (WCC) results
platelet_count	medical_hist ory	text	Platelets
abg_res	medical_hist ory	text	Arterial Blood Gas STANDARD BASE EXCESS (SBE in mmol/L or mEq/L)

Baby GERMS neonatal sepsis surveillance protocol			Supplementary material
ph_result	medical_hist ory	text	What was the patients pH?
pco2_result	medical_hist ory	text	What was the patients pCO2
co2_unit	medical_hist ory	radio	What units is the pCO2 measured in
hc03_result	medical_hist ory	text	What was the patients HCO3 (in mmol/L)
lumbar	medical_hist ory	radio	Was lumbar puncture performed for positive culture?
csf_wcc	medical_hist ory	text	CSF WCC results
csf_res	medical_hist ory	radio	CSF Pleocytosis (for babies < 28 days and cell count >20cells/mm ³ ; or babies >28 days cell count >10cells/mm ³)
finout_inf	main_outco me	radio	Final outcome at end of hospitalisation or after 30 days of specimen collection if still admitted for other reasons
fin_date	main_outco me	text	Date of final outcome infant
neon_date	main_outco me	text	Date that NEONATE was 28 days old calculated from [birth_date] plus 27 days
outcome_neon	main_outco me	radio	Neonate Outcome at 28 days