**AHPU Data Request Form**

**General Information**

Project Title:

The effects of migration and death of a biological mother on child mortality in Agincourt

Investigator(s): Professor David Sherwell

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## Purpose: (Brief description of the purpose of the study)

To determine whether mother’s presence has an effect on the survival of a biological child aged zero up to and including five years.

## Analytical Plan: (Brief description of the analytical plan)

# Event History Analysis for longitudinal data on a binary variable with binary covariates.

# Data requirements

Cohort of children born during the period 01/01/1994 to 31/07/08 who are aged zero up to and including five years

## Population (study):

## PLEASE have a look at the fields below and consider the next statement. For each childID whose MotherId exists, I need Date of Death for that mother, and a new name assigned to it would be “mother date of death”.

## I also need the same mother id used to search the resident status table for the ResStatus and this must be named “mother residence status”. Lastly I need for the same mother id, to find the refugee from the individuals table and this would be named “mother refugee status”.

## Variables

|  |  |  |  |
| --- | --- | --- | --- |
| Table (DSS table name) | Variable (DSS variable name) |  | Output ID |
| Individuals  | IdGenderDate of BirthDate of DeathMotherIdMotherStatusRefugee (refugee status for mother of the child in the cohort ) |  | Child\_IDChild\_SexCDoBCDoDM\_IdM\_StatusM\_RefStatM\_DoDM\_ResStatM\_ResMonthsM\_ObsvtnDate |
| Residence Status | IdObservationResMonthsResStatus |  |  |
| Observations | ObservationDate |  |  |
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NB: List the variables that you will be using for your analysis even if they seem not to exist in the list provided in the data dictionary. We shall suggest the proximate ones you that you can use.

## Period: 01/01/1994 to 31/07/2008

## Unit(s) of analysis:

Individuals

## File Structure: flat file

## File Format: SQL and the script that extracted the data

Additional Information:

For all children born since 1st Jan 1994 up to 31St July 2008 in the study site whose individual ages range between zero and five (inclusive) years

For each year get the following:

* Child id
* Child gender
* Child date of birth
* Child date of death –if applicable
* Mother id
* Mother status
* Mother refugee status (select refugee where individuals.id=this child’s mother id from individuals)
* Mother residence status (select residence-status where [residence status].id=this child’s mother id from residence status)
* Mother date of death – if applicable (select date of death where individuals.id=this child’s mother id from individuals)
* Mother’s residence months

PLEASE MAKE SURE THAT THE RESIDNCE STATUS FIELD HAS VALUES EVEN IN THE YEARS PRIOR TO 1999, MAYBE IMPUTE/INTERPOLATE?? LOOK AT[ RESIDENCE STATUS].OBSERVATION TO SEE IF THERE WAS A RECORDING FOR SOME YEARS PRIOR TO 1999 TO INTERPOLATE.

EXTRACTING INFORMATION PER YEAR I THINK THESE ARE THE TABLES TO LOOK AT AND THE PROCEDURE:

1. SELECT ID,DOB,DOD,GENDER,MOTHERSTATUS,MOTHERID FROM INDIVIDUALS WHERE AGE<=5 AND MOTHERID EXISTS INTO TBL1
2. SELECT A.\*,OBSERVATION,RESMONTHS FROM RESIDENT STATUS TABLE ,TBL1 AS A WHERE [RESIDENT STATUS].ID=A.ID INTO TBL2
3. SELECT A.\*,B.OBSERVATIONDATE,C.RESSTATUS FROM OBSERVATIONS AS B, TBL2 AS A,RESIDENT STATUS AS C WHERE B.OBSERVATION=A.OBSERVATION AND C.ID=A.ID AND C.OBSERVATION=B.OBSERVATION INTO TBL3
4. SELECT A.\*,SPACE(30) AS MREFSTATUS, {} AS MDOD FROM TBL3 AS A INTO TBL4
5. UPDATE TBL4 SET (MREFSTATUS,MDOD) = SELECT REFUGEE,DOD FROM INDIVIDUALS WHERE TBL4.MOTHERID=INDIVIDUALS.ID

THIS I THE PSEUDO CODE TO EXTRACT MY DATA. PLS ADVISE IF INCORRECT AND RECTIFY FOR ME