

FINAL GROUP PROBLEM

You have now learned about doing health surveys in developing countries, the type of hardware and software to make the tasks easier, and the theory behind the various analytic procedures. As part of the **Final Group Problem**, you and your classmates in two groups will have the opportunity to put the different components together and do an actual rapid survey.

The class will address the survey in two groups. Your first task will be to select two students (i.e., one in each group) to serve as the group coordinators. You will have 20 minutes during class on Tuesday (Session 15) to select the two coordinators (see below) and 30 minutes during class on Thursday (Session 16) to initially get organized. Thereafter, you are free to confer about the survey with anyone in your group (but not the other group), as well as with Professor Frerichs. The coordinators will meet at periodic intervals with Professor Frerichs to monitor the progress of the group and address any problems that have arisen. The groups and ID numbers are the same as used during the interview training.

GROUPS for FINAL PROJECT				
Group A			Group B	
Student Name	Interviewer ID		Student Name	Interviewer ID
	1	x		14
	2			15
	3			16
	4			17
	5			18
	6			19
	7			20
	8			21
x	9			22
	10			23
	11			24
	12			25
	13			26
			27	

x – elected coordinator by each group

CLASS PRESENTATION

The results of your survey should include an oral presentation, appropriate for administrators in the Department or Ministry of Health, and a written copy of all the tables and graphs that would normally appear in a report. You are not required to write the text of the report. The results will be presented on **Monday** (Session 21) from 6:30 pm to 9:30 pm, the officially scheduled day and time of your final examination. Each group will have 45 minutes for their presentation, to be followed by discussion. You are encouraged to give a Powerpoint presentation, displaying both creativity and

science. Since the intention of the project is to have you demonstrate your knowledge of the techniques presented in class, you should use the *Epi Info* and *Stata* software program.

Your group is given a copy of survey data on 417 births during the prior three years, similar to what was collected in a rapid survey conducted in Myanmar (see *Defining Study Objectives and Training Interviewers/Examiners* for details). The investigators intended to select 30 clusters and 13 eligible households (i.e., with children, aged 0-36 months and/or children who died during the past three years) per cluster. We assume that the survey is being conducted in early June, 2008 on the day that you actually enter the data. Data are grouped separately by cluster so that each student can be responsible for several clusters.

By asking about all births during the past three years and following them to the present to assess subsequent mortality, you will be able to do a cohort analysis of both neonatal and infant mortality. Other questions provide prevalence estimates typical of cross-sectional surveys for such measures as vaccination coverage and level of malnutrition. Thus the survey is both a **retrospective (i.e., historical) cohort** and a **cross-sectional** study. Remember that in a cohort study, the births must have theoretically been able to live through the period at risk to be eligible to be included in the denominator of the two mortality rates. For neonatal mortality, the births must have occurred at least one month before the date of the survey (actually, 0-27 days but one month is close enough); for infant mortality, at least one year before the date of the survey. The specific components of the rates and values are as follows:

Annual Neonatal Mortality Rate

Age at death < 28 days and Date of Birth ≥ 28 days before interview

All who were born ≥ 28 days before the interview

Annual Infant Mortality Rate

Age at death < 366 days and Date of Birth ≥ 366 days before interview

All who were born ≥ 366 days before the interview

The question asked by the interviewer needs to be changed to take full advantage of *Epi Info*. If a child has died, the study form asks for both the age of the child at death and the **date when the child was born**. Once the numerator and denominator for the neonatal and infant mortality rates are determined, the variance and confidence intervals are derived using either the *Advanced Statistics* modules (i.e., *Complex Sample...*) in *Epi Info* program or the survey analysis component of *Stata*.

GRADING

Your contribution to the final will be worth 50 percent of your grade. While this is to be a group project, I expect each of you to contribute some essential part. The group coordinators will be given a tally list to state who was assigned to each task. On **Monday** (Session 21, the day of the Final Group Problem) the group coordinators should submit the list to Professor Frerichs with the names of the group members and the tasks they are responsible for completing. The group leaders should list the tasks completed by each student (by name), using the ID numbers given on page 1.

SPECIFIC TASKS

1. Review the objectives of the study and the interview/examination schedule with the specific variables
 - a. Listed in Appendix A
2. Design the management forms for the study
 - a. Form 1 Map of Households
 - b. Form 2 Table of Random Numbers
 - c. Form 3 Household Disposition
 - d. Form 4 Study Disposition

Hint: Make sure that you leave room at the end to identify the name and ID number of all members of your group

3. Print a set of the forms for doing the study (see Epidemiology Department secretary for access to the photocopy machine)
 - a. Form 1 - 30 copies (one for each cluster)
 - b. Form 2 - 10 copies (at least one for each interviewer/interview team)
 - c. Form 3 - 60 copies (i.e., two for each cluster; may need more in actual field study)
 - d. Form 4 - 1 copy
4. Enter the community names and estimated population for the survey area into *CSurvey* (see Appendix B). Select once for the entire group the clusters to be sampled **with replacement** using the PPS method as featured in *CSurvey* software.
 - a. All communities in the study area and the characteristics of the study population are listed in **Appendix B**. Please note that your PPS sample will differ from the one that corresponds to the actual survey data. To resolve the difference, pretend.
 - b. Print a hard copy of the PPS selection table
5. Assign at least 2 clusters to each person in your group
 - a. Complete Form 1 for each cluster (use your imagination)

Hint: Remember to mark landmarks along your route such as big trees or shops so that you do not have to recount the households when you select the starting one. Also, use the entire page.

- b. Use Form 2 to select the random starting point
- c. Complete Form 3 for each cluster (use your imagination but try to be realistic)
- d. Enter the data into the computer using the data entry specifications described below.

Note: Use the weight-for-age chart handed out in **Training Interviewers and Examiners**. Include your interviewer/examiner ID code (shown on first page) and the date the interview/examination was done (use the date you entered the data into the computer).

6. Prepare once for the entire group the data entry screen for *Epi Info*
 - a. Have all members of the group use the same data entry screen to complete step 5.d. above.
 - b. Save the file on a disk to be handed in as part of the assignment
7. Prepare once the "dummy tables" you plan to use in your final report using *Excel* or some other spreadsheet program

Hint: Once the data have been entered, print the tables by copying and pasting into a word-processing program.

8. Do the analysis of the data using *Epi Info* or *Stata* (be sure to specify)
 - a. Frequency distribution of all the main variables
 - b. Cross-tabulation tables
 - c. Mean and variance estimates for the proportions
 - d. Other analyses you feel are appropriate
9. Prepare graphs of the most important findings using a graphics program such as *Powerpoint* or *Excel*.
10. Prepare for an oral presentation of your findings using 2-4 members of the group as spokes persons.
 - a. The presentation should take about **45 minutes**.
 - b. The implied audience is administrators and other officials in the Department or Ministry of Health
 - i. Only one or two epidemiologists or statisticians might be present. Therefore the presentation should not be aimed at them. Instead it should be focused at those who most likely have only limited epidemiologic or statistical training.

- c. Following the talk, there will be **20 minutes** for informal questions from the floor (i.e., from Professor Frerichs and members of the other group)
11. Submit a set of tables and graphs which would appear in your final report
 - a. The actual report is not required due to time constraints.
12. Submit a CD with your *Epi Info*, *Stata* and *Excel* (or other graphics program) files
13. Submit all of your completed management forms
 - a. Form 1 - 30 maps with typical details
 - b. Form 3 - 30-60 household disposition forms
 - c. Form 4 - 1 to summarize the study disposition

APPENDIX A

The objectives of the proposed survey of births during the prior three years in this typical township of a developing country are:

1. to determine if the births were delivered by a trained birth attendant;
2. to describe the level of neonatal and infant mortality
3. to assess the level of vaccine coverage for BCG and the three doses of both DPT and OPV;
4. to determine the age of receiving BCG and the three doses of DPT and OPV;
5. to ascertain the evenness (or homogeneity) of childhood vaccination coverage throughout the township for BCG, DPT and OPV;
6. to determine the pediatric breastfeeding patterns and consumption patterns of protein-rich solid foods; and
7. to assess the level of childhood malnutrition based on low weight-for-age.

The survey instrument for the proposed investigation is shown on the following two pages.

YOUNG CHILD CLUSTER SURVEY

Complete for all births in the household since June 1, 2005. This includes all children, aged 0-36 months now living in the household and all live newborns (i.e., breathing, moving or crying) since June 1, 2005 who subsequently died. The mother may currently be alive or dead. The respondent must be either the mother or some other responsible person.

IDENTIFICATION

1. Study No. 002 2. Township No. 150 3. Cluster No. ___ ___

4. Identification Number (4 digits) ___ ___ ___ ___
Cluster No. ___ Child No. in Cluster ___

NAME OF THE CHILD _____

5. Sex of the child Male [1] Female [2] UNK/NR [9]

6. Current status Alive [1] (**Go to Q.9**) Dead [2]

7. Date of Death ___ ___ / ___ ___ / ___ ___ (if UNK/NR, enter 99)
MO DAY YR

8. Age of child at death ___ ___ mos. (if <1 mo., enter 00; if UNK/NR,
enter 99; **Go to Q.10**)

9. Age of living child ___ ___ mos. (if <1 mo., enter 00; if UNK/NR, enter 99)

NAME OF THE RESPONDENT _____

10. Relationship of respondent to the child Mother [1] Father [2]
Sibling [3] Other relative [4] Unrelated [5] UNK/NR [9]

11. Age of mother ___ ___ years (if dead, enter 98; if UNK/NR, enter 99)

INTERVIEW FOR ALL NEWBORNS SINCE June 1, 2005 (INCLUDING DEATHS)

12. When...was born, who was the **main** person attending the birth?

Traditional birth attendant: Untrained [1] Trained [2]

Relative, friend, or other untrained person [3]

Midwife or Lady Health Visitor [4]

Auxiliary midwife [5]

Hospital staff or Physician [6]

Unattended [7]

Unknown or no response [9]

NAME OF ATTENDANT (if not sure of category) _____

YOUNG CHILD CLUSTER SURVEY (continued)

IF THE CHILD IS NOW DEAD, GO TO Q. 26, OTHERWISE CONTINUE

HAS...HAD THE FOLLOWING IMMUNIZATIONS?

	First Dose			Second Dose			Third Dose					
	Yes	No	UNK/NR	Yes	No	UNK/NR	Yes	No	UNK/NR			
DPT	13.	[1]	[2]	[9]	14.	[1]	[2]	[9]	15.	[1]	[2]	[9]
	(injection in the buttock against diphtheria, whooping cough and tetanus)											
OPV	16.	[1]	[2]	[9]	17.	[1]	[2]	[9]	18.	[1]	[2]	[9]
	(drops in the mouth against poliomyelitis)											
BCG	19.	[1]	[2]	[9]	(injection in the arm against tuberculosis)							
							Yes	No	UNK/NR			
20.	Is... currently being breast fed?						[1]	[2]	[9]			
21.	Is... currently eating eggs, fish or meat?						[1]	[2]	[9]			

EXAMINATION

22. Does the child have the characteristic BCG scar?
Yes [1] No [2] UNK/NR [9]

23. Weight ___ ___ . ___ kg. (if UNK, enter 999)

24. Which growth chart zone does the child fall into?
Green (normal) [1] Yellow (borderline) [2]
Red (malnourished) [3] UNK/NR [9]

25. **DATE INTERVIEW WAS COMPLETED** ___ / ___ / ___ (if UNK/NR, enter 99)
MO DAY YR

26. **CODE NO. OF INTERVIEWER/EXAMINER** ___ (if UNK/NR, enter 99)

This concludes the interview and examination. Thank you for taking the time to participate in this survey.

APPENDIX B

SELECTION OF 30 CLUSTERS BASED ON PPS, HLEGU TOWNSHIP

ESTIMATED POPULATION PER HOUSEHOLD = 5.25
 PERCENT OF TOTAL POPULATION THAT IS 0-36 MONTHS = 7.3%
 PERCENT OF HOUSEHOLDS WITH ONE OR MORE ELIGIBLE PERSONS = 34%

Community Name	Estimated Population in Community	Community Name	Estimated Population in Community
Payagone-S	542	Yadalabaung	37
Payagone-N	662	Takundaing	350
Patayar	539	Barlar	2118
Thapyataung	1074	Indaing	2836
Shansu	536	Setsu	222
Kyaungpaing	807	Saingdegone	600
kyawzawsu	744	Alangabo	2036
Pyedawtha	456	Zayatkwin	1946
Ywale	352	Minlwingone	1244
Setkwathit	398	Thangechaung	299
Japankwathit	152	Rubberchan	534
Aungchantha	162	Yemon	2243
Htanpin Qrt	338	Wanetgone	1539
Kyaungpaing	278	Dayebo	1533
Ywale	279	Oakhnegon	356
Pandawgone	1009	Paukkon	263
Mingone	2793	Kangyisu	268
Wayargone	546	Kayaung	291
Sanpya	968	Htainchaung	265
Natsinin	83	Nyaungtachan	356
Gonminshoe	120	Paikgyiwe	1194
Sa-la-ya	541	Laydaungkan	3711
Kaletaw-E	203	Thonegwa	1192
Kaletaw-M	39	Ywathagyi	833
Kaletaw-DU	214	Aungmyeyar	2004
Kaletaw-D	349	Shantegyi U	1670
Hmangone	355	Shantegyi D	1548
Kyakan	168	Thayetpinchg	1278
Magyisu	210	Nyaunbinywa	1040
Tesu	76	Kyuchaung	857
Kaletaw W	281	Kyanikan	367
Shansu	71	Malit E	405
Sakangyi E	470	Awaing E	499
Sakangyi W	188	Taungtalot	286
Kyauntan	70	Aungkader	209
Gangawgone	41		
Natkanhmweth	396		
Kukkotaung	273		
Mezalegone	142		
Kyungale	3304		
Kapyinyoe	364		
Thayargone	513		
Kyaukaing	978		
Pyindaungsu	163		
		TOTAL	58676

APPENDIX C

For the final report, you are being asked to create the final tables and graphs, but not the text. It might be helpful, however, to have an outline of what a typical report looks like so that you can determine where the tables and graphs should be included.

Suggested Outline for the Final Report

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Executive Summary.	i
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I. Introduction.	x
II. Background.	x
III. Methods.	x
IV. Results.	x
V. Discussion.	x
VI. References.	x

APPENDICES

A. Interview and Examination Form.	x
B. Household Disposition by Cluster.	x
C. Analysis Tables for the Major Parameter Estimates.	x

APPENDIX D
Data for Final Class Project

Study No.	Township No.	Cluster No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to respondent	Age of mother (yr)	Main birth attendant	Dose of DPT			Dose of OPV			BCG	Breast-fed	Eggs, fish, BCG Weight			Growth chart zone	Date of Interview/Exam.			Int./Exam. Code
						Mo.	Day	Yr.					1st	2nd	3rd	1st	2nd	3rd			meat	scar	(kg)		Mo.	Day	Yr.	
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]			
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002	150	1	103	2	1			11	1	23	2	1	2	2	1	2	2	1	1	2	1	8.4				08		
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002	150	3	310	2	1			16	1	35	4	1	1	1	1	2	2	1	1	1	1	8.7				08		
002	150	3	311	1	1			23	4	20	4	1	1	1	1	2	2	1	2	1	1	9.5				08		

Study No.	Town-ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to mother	Age of onset (yr)	Main birth date	Dose of DPT			Dose of OPV			BCG fed	Breast- or fish, meat scar	BCG scar (kg)	Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code
						Mo.	Day	Yr.					1st	2nd	3rd	1st	2nd	3rd						Mo.	Day	Yr.	
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]		

Data continued...

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002	150	5	513	2	1			0	1	37	5	2	2	2	2	2	2	1	2	2	4.4			08	
002	150	5	514	1	1			0	1	37	5	2	2	2	2	2	2	1	2	2	3.7			08	
002	150	5	515	2	1			9	1	37	5	1	2	2	1	2	2	1	2	2	5.4			08	
002	150	5	516	2	1			31	1	28	5	2	2	2	2	2	2	2	1	2	10.5			08	
002	150	6	601	2	1			4	4	21	2	1	2	2	1	2	2	1	2	1	5.5			08	
002	150	6	602	2	1			17	3	45	2	1	1	1	1	1	1	1	1	1	6.0			08	
002	150	6	603	2	1			29	1	20	2	2	2	2	2	2	1	2	1	1	9.5			08	
002	150	6	604	2	1			3	4	25	2	1	2	2	1	2	2	1	2	1	5.9			08	
002	150	6	605	1	1			5	1	25	4	2	2	2	2	2	2	1	2	2	5.0			08	
002	150	6	606	1	1			17	1	43	2	2	2	2	2	2	2	1	1	1	7.8			08	
002	150	6	607	2	1			14	1	33	4	1	1	2	1	2	2	1	1	1	8.1			08	
002	150	6	608	1	1			7	1	28	6	1	1	2	1	1	2	1	2	1	10.0			08	
002	150	6	609	2	1			7	1	19	4	1	2	2	2	2	2	1	2	1	7.2			08	
002	150	6	610	1	1			6	1	20	4	2	2	2	2	2	2	1	2	2	7.7			08	
002	150	6	611	2	1			33	2	31	4	9	9	9	2	2	2	1	1	1	11.0			08	
002	150	6	612	1	1			12	1	22	4	2	2	2	2	2	2	1	1	2	8.1			08	
002	150	6	613	1	1			5	1	22	2	2	2	2	2	2	2	1	1	2	7.5			08	
002	150	6	614	2	1			32	1	23	2	2	2	2	2	2	2	2	2	2	9.9			08	

Study No.	Town-ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to resp-ondent (yr)	Main Age of mother at birth (yr)	Dose of DPT			Dose of OPV			BCG	Breast-fed	Eggs, or fish, BCG		Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code No.
						Mo.	Day	Yr.				1st	2nd	3rd	1st	2nd	3rd			meat	scar			Mo.	Day	Yr.	
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]		

Data continued...

002	150	7	701	2	1			1	1	21	4	2	2	2	2	2	2	1	2	2	3.2				08		
002	150	7	702	2	1			17	1	23	2	1	2	2	2	2	1	1	1	2	8.4				08		
002	150	7	703	1	1			17	1	23	2	1	2	2	2	2	1	2	1	2	9.0				08		
002	150	7	704	1	1			12	3	36	7	2	2	2	2	2	2	1	2	2	6.0				08		
002	150	7	705	2	2	4	3	07	0		1	34	6												08		
002	150	7	706	1	2	6	29	05	0		1	34	6												08		
002	150	7	707	2	1				4	1	34	4	2	2	2	2	2	2	1	2	2	5.4				08	
002	150	7	708	2	1				20	1	35	4	1	2	2	2	2	1	2	1	1	8.9				08	
002	150	7	709	2	1				19	1	33	2	1	2	2	2	2	2	1	1	2	8.4				08	
002	150	7	710	2	1				23	1	32	2	1	1	2	9	9	2	2	1	2	9.4				08	
002	150	7	711	1	1				0	1	30	2	2	2	2	2	2	2	1	2	2	2.0				08	
002	150	7	712	2	1				26	1	28	4	1	1	1	2	2	2	1	2	1	9.6				08	
002	150	7	713	1	1				30	1	25	4	2	2	2	2	2	1	2	1	1	12.1				08	
002	150	7	714	1	1				20	4	20	2	1	1	1	9	9	9	1	2	1	9.9				08	
002	150	8	801	2	1				29	1	20	4	1	1	1	2	2	2	1	2	1	9.0				08	
002	150	8	802	1	1				3	1	36	6	2	2	2	2	2	2	1	2	2	5.5				08	
002	150	8	803	1	1				3	1	36	6	2	2	2	2	2	2	1	2	2	4.5				08	
002	150	8	804	1	1				27	1	28	1	1	1	1	2	2	2	1	1	1	10.5				08	
002	150	8	805	1	1				8	1	26	6	2	2	2	2	2	2	1	2	2	6.0				08	
002	150	8	806	1	1				24	1	42	4	1	1	2	2	2	2	1	1	1	10.5				08	
002	150	8	807	1	1				14	1	38	4	2	2	2	2	2	2	1	2	2	8.0				08	
002	150	8	808	2	1				13	1	25	4	1	1	1	1	2	2	1	2	2	8.0				08	
002	150	8	809	2	1				19	1	27	4	1	1	1	2	2	2	1	1	1	8.5				08	
002	150	8	810	1	1				29	1	42	4	1	2	2	2	2	1	1	1	1	9.0				08	
002	150	8	811	1	1				24	1	26	6	1	1	1	2	2	2	1	1	1	9.0				08	
002	150	8	812	1	1				18	1	43	4	1	1	1	2	2	2	1	1	1	8.5				08	
002	150	8	813	1	1				10	1	25	4	1	1	2	1	2	2	2	1	1	9.0				08	
002	150	8	814	2	1				2	1	35	4	2	2	2	2	2	2	1	2	2	4.0				08	
002	150	9	901	2	1				12	1	23	1	1	2	2	2	2	2	1	1	2	8.0				08	
002	150	9	902	1	1				16	1	25	2	2	2	2	2	2	2	1	1	2	8.0				08	
002	150	9	903	2	1				22	1	19	4	2	2	2	2	2	2	2	1	2	8.0				08	
002	150	9	904	1	1				18	1	28	4	1	2	2	2	2	2	1	1	2	10.0				08	
002	150	9	905	2	1				2	1	25	5	2	2	2	2	2	2	1	2	2	4.0				08	
002	150	9	906	2	1				35	1	25	4	1	1	2	2	2	2	1	2	1	12.0				08	
002	150	10	1001	2	1				19	3	39	6	9	9	9	9	9	2	1	1	2	8.5				08	
002	150	10	1002	2	1				14	4	21	6	1	1	2	1	1	2	1	1	1	9.0				08	
002	150	10	1003	2	1				13	1	25	1	1	2	2	1	2	2	2	1	1	2	8.5				08
002	150	10	1004	1	1				16	1	24	4	1	1	1	1	1	1	1	1	1	7.5				08	
002	150	10	1005	1	1				14	1	24	6	1	1	1	2	2	2	1	1	1	9.8				08	
002	150	10	1006	1	1				0	1	23	6	2	2	2	2	2	2	2	1	2	4.0				08	
002	150	10	1007	2	1				14	1	32	2	1	2	2	2	2	2	1	1	2	8.0				08	
002	150	10	1008	1	1				15	1	23	4	1	1	2	1	1	2	2	1	1	8.5				08	
002	150	10	1009	2	1				30	1	42	4	1	1	1	2	2	2	1	1	1	10.2				08	
002	150	10	1010	1	1				18	1	37	2	1	2	2	2	2	9	1	1	2	9.0				08	
002	150	10	1011	1	1				5	1	28	4	2	2	2	2	2	2	1	2	2	6.0				08	
002	150	10	1012	2	1				12	1	28	4	1	1	2	1	1	2	2	1	2	9.0				08	
002	150	10	1013	1	1				13	1	18	4	1	1	1	1	1	1	2	1	1	7.5				08	

Study No.	Ship No.	Town-Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to mother (yr)	Age of birth (mo)	Dose of DPT			Dose of OPV			BCG	Breast-fed	Eggs, or BCG		Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code
						Mo.	Day	Yr.				1st	2nd	3rd	1st	2nd	3rd			meat	scar			Mo.	Day	Yr.	
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]		

Data continued...

002	150	10	1014	2	1			5	4	18	4	1	1	1	1	1	1	2	1	1	2	6.5				08
002	150	11	1101	1	1			27	1	32	4	1	1	2	2	2	2	2	1	1	1	9.5				08
002	150	11	1102	1	1			35	1	26	5	2	2	2	2	2	2	2	2	1	2	13.0				08
002	150	11	1103	2	1			8	1	23	5	1	2	2	1	2	2	1	1	2	1	7.5				08
002	150	11	1104	1	1			30	1	31	4	2	2	2	2	2	2	2	1	1	2	12.5				08
002	150	11	1105	2	1			34	1	22	5	1	1	2	2	2	2	2	2	2	1	9.5				08
002	150	11	1106	2	1			10	1	22	2	2	2	2	2	2	2	2	1	2	2	7.0				08
002	150	11	1107	2	1			29	1	35	4	2	2	2	2	2	2	2	1	1	2	9.5				08
002	150	11	1108	1	1			17	1	34	5	1	2	2	2	2	2	2	1	2	2	8.5				08
002	150	11	1109	2	1			34	1	45	5	2	2	2	2	2	2	2	1	1	2	10.5				08
002	150	11	1110	2	1			29	4	49	2	9	9	9	9	9	9	9	2	1	2	11.0				08
002	150	11	1111	2	1			9	1	31	4	1	2	2	2	2	2	2	1	1	2	7.0				08
002	150	11	1112	1	1			20	1	23	4	1	1	1	1	1	1	1	1	1	1	7.0				08
002	150	11	1113	1	1			24	1	25	5	1	2	2	2	2	2	1	1	2	1	10.0				08
002	150	11	1114	1	1			13	1	24	3	1	1	2	1	2	2	1	1	1	1	9.0				08
002	150	11	1115	1	1			15	1	34	1	1	1	2	2	2	2	1	1	1	1	8.5				08
002	150	12	1201	1	1			21	1	25	5	1	1	1	2	2	2	1	1	1	1	11.0				08
002	150	12	1202	2	1			9	1	36	2	1	1	2	1	1	2	2	1	2	2	5.5				08
002	150	12	1203	1	1			10	1	25	6	1	2	2	1	2	2	1	1	1	1	6.5				08
002	150	12	1204	1	2	4	25	06	0		1	25	5													08
002	150	12	1205	2	1			17	1	29	5	1	1	1	1	1	9	1	1	1	1	8.0				08
002	150	12	1206	1	1			31	1	38	5	1	1	1	2	2	2	1	2	1	1	8.0				08
002	150	12	1207	2	1			4	1	24	1	1	2	2	1	2	2	2	1	2	2	5.4				08
002	150	12	1208	1	2	6	12	07	0		1	22	5													08
002	150	12	1209	1	1			10	1	22	5	1	1	2	1	1	2	1	1	1	1	8.0				08
002	150	12	1210	1	1			16	1	26	5	2	2	2	2	2	2	1	1	2	1	7.5				08
002	150	12	1211	1	1			0	1	32	5	2	2	2	2	2	2	2	1	2	2	3.4				08
002	150	12	1212	1	1			0	1	32	5	2	2	2	2	2	2	2	1	2	2	2.5				08
002	150	12	1213	2	1			33	1	32	5	2	2	2	2	2	2	1	2	1	1	10.2				08
002	150	12	1214	2	1			22	3	39	6	2	2	2	2	2	2	2	1	1	2	10.0				08
002	150	13	1301	2	1			32	1	22	4	2	2	2	2	2	2	2	2	2	2	9.5				08
002	150	13	1302	2	1			3	1	21	4	2	2	2	2	2	2	2	1	2	2	5.0				08
002	150	13	1303	2	1			3	1	38	1	1	2	2	1	2	2	1	1	2	1	5.0				08
002	150	13	1304	1	1			33	1	38	1	2	2	2	2	2	2	1	2	1	2	11.0				08
002	150	13	1305	1	1			2	1	19	1	2	2	2	2	2	2	2	1	2	2	5.0				08
002	150	13	1306	1	1			3	1	36	4	1	2	2	1	2	2	1	1	2	1	5.5				08
002	150	13	1307	1	2	7	9	07	7		1	36	1													08
002	150	13	1308	2	1			6	1	30	4	1	2	2	1	2	2	1	1	2	1	5.5				08
002	150	13	1309	1	1			18	1	43	1	1	2	2	2	2	2	2	1	1	2	9.0				08
002	150	13	1310	1	1			9	1	24	1	1	1	2	1	1	2	1	1	1	1	7.5				08
002	150	13	1311	2	1			3	1	22	1	1	2	2	1	2	2	1	1	2	1	5.5				08
002	150	13	1312	1	1			7	1	23	1	1	1	2	1	1	2	1	1	1	1	7.0				08
002	150	13	1313	1	1			31	1	23	1	1	2	2	2	2	2	1	2	2	1	10.0				08
002	150	13	1314	1	1			10	1	27	1	1	1	1	1	1	1	1	1	1	1	7.5				08
002	150	14	1401	2	1			15	4	25	4	2	2	2	2	2	2	1	1	1	2	8.0				08
002	150	14	1402	2	1			18	1	19	2	1	1	1	2	2	2	1	1	2	1	10.5				08
002	150	14	1403	2	1			6	1	31	4	2	2	2	1	2	2	2	1	2	2	5.5				08

Study No.	Ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to mother (yr)	Main birth date	Dose of DPT			Dose of OPV				BCG fed	Eggs, fish, or BCG			Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code No.
						Mo.	Day	Yr.				1st	2nd	3rd	1st	2nd	3rd	BCG		meat	scar	Mo.			Day	Yr.		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]			[26]	

Data continued...

002	150	14	1404	1	1			30	1	28	4	1	9	9	2	2	2	1	1	1	1	11.0				08
002	150	14	1405	1	1			3	1	36	4	2	2	2	2	2	2	2	1	2	2	5.0				08
002	150	14	1406	1	1			20	1	24	2	1	2	2	2	2	2	1	1	1	1	9.5				08
002	150	14	1407	2	1			5	1	21	6	2	2	2	2	2	2	1	1	2	2	4.5				08
002	150	14	1408	2	1			30	1	28	2	1	1	2	2	2	2	1	1	1	1	10.0				08
002	150	14	1409	2	1			34	1	32	4	2	2	2	2	2	2	1	2	1	1	9.5				08
002	150	14	1410	2	1			20	1	30	4	1	9	9	2	2	2	1	1	1	1	8.9				08
002	150	14	1411	1	1			13	4	23	2	9	9	9	9	9	9	9	1	2	2	6.8				08
002	150	14	1412	1	1			30	4	23	6	9	9	9	9	9	9	9	2	1	1	9.8				08
002	150	14	1413	1	1			30	1	38	4	1	2	2	2	2	2	1	1	1	1	9.5				08
002	150	14	1414	1	1			22	1	37	6	1	1	1	2	2	2	2	1	1	2	9.0				08
002	150	15	1501	1	1			30	1	28	2	1	1	1	2	2	2	1	1	1	1	10.5				08
002	150	15	1502	1	1			3	1	20	2	2	2	2	2	2	2	2	1	2	2	5.5				08
002	150	15	1503	1	1			30	1	20	2	9	9	9	2	2	2	1	2	1	1	12.5				08
002	150	15	1504	1	1			27	2	36	2	1	1	1	2	2	2	1	1	1	1	10.5				08
002	150	15	1505	1	1			13	1	22	4	1	1	2	2	2	2	1	1	1	1	8.5				08
002	150	15	1506	1	1			11	1	22	2	1	1	1	1	2	2	1	1	2	1	8.0				08
002	150	15	1507	1	1			27	1	26	4	1	1	2	2	2	2	1	1	1	1	11.5				08
002	150	15	1508	2	1			2	1	22	2	2	2	2	2	2	2	2	1	2	2	4.0				08
002	150	15	1509	2	1			3	1	18	2	2	2	2	2	2	2	2	1	2	2	5.0				08
002	150	15	1510	1	1			24	1	18	2	2	2	2	2	2	2	1	2	1	1	10.0				08
002	150	15	1511	2	1			11	4	99	2	1	1	2	2	2	2	1	2	1	1	8.5				08
002	150	15	1512	1	1			32	1	32	2	1	1	1	2	2	2	1	2	1	1	11.5				08
002	150	15	1513	2	1			11	1	28	2	1	1	1	2	2	2	1	1	1	1	7.5				08
002	150	15	1514	1	1			28	1	31	2	1	1	1	2	2	2	1	2	1	1	11.5				08
002	150	16	1601	1	1			35	1	24	4	1	1	1	2	2	2	1	2	1	1	12.5				08
002	150	16	1602	2	1			11	1	24	5	1	1	2	1	2	2	1	1	2	1	8.0				08
002	150	16	1603	1	2	2	2	08	0		1	40	5													08
002	150	16	1604	2	1			14	1	40	5	1	2	2	1	2	2	1	1	1	1	7.3				08
002	150	16	1605	1	1			16	1	29	5	1	1	1	1	2	2	1	1	1	1	8.5				08
002	150	16	1606	2	1			24	1	25	5	2	2	2	2	2	2	1	1	1	1	9.8				08
002	150	16	1607	1	1			32	1	23	5	1	1	1	2	2	2	2	2	1	2	13.0				08
002	150	16	1608	1	1			28	1	20	5	1	2	2	2	2	2	1	1	1	1	10.5				08
002	150	16	1609	2	1			21	1	22	5	1	1	1	1	2	2	1	1	1	1	7.5				08
002	150	16	1610	1	1			20	1	41	5	1	9	9	2	2	2	1	1	1	1	9.8				08
002	150	16	1611	2	1			17	1	28	5	1	1	2	1	2	2	1	1	1	1	8.0				08
002	150	16	1612	2	1			10	1	22	5	1	1	2	1	1	2	1	1	2	2	8.0				08
002	150	16	1613	2	1			9	1	27	5	1	1	1	1	1	1	1	1	2	1	8.0				08
002	150	16	1614	1	1			32	1	27	5	1	1	1	2	2	2	1	2	1	1	12.5				08
002	150	17	1701	1	1			15	1	20	4	1	1	1	1	2	2	1	1	1	1	8.0				08
002	150	17	1702	1	1			15	4	30	6	1	1	1	9	9	9	1	1	1	1	8.0				08
002	150	17	1703	2	1			13	3	33	4	1	1	2	2	2	2	1	1	1	1	7.0				08
002	150	17	1704	2	1			8	1	26	6	1	1	1	1	1	1	1	1	2	1	6.5				08
002	150	17	1705	1	1			8	1	23	4	1	1	1	1	1	1	1	1	1	1	8.0				08
002	150	17	1706	2	1			20	4	27	4	1	1	1	9	9	9	1	2	1	1	9.4				08
002	150	17	1707	2	1			7	1	24	4	1	2	2	2	2	2	1	1	2	1	6.5				08
002	150	17	1708	1	1			11	1	27	6	1	1	2	1	1	2	1	1	1	1	8.5				08
002	150	17	1709	1	1			5	1	26	4	1	2	2	1	1	2	1	1	1	1	8.0				08

Study No.	Ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to mother (yr)	Main birth date	Dose of DPT			Dose of OPV				Breast-fed	Eggs, fish, or BCG			Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code No.
						Mo.	Day	Yr.				1st	2nd	3rd	1st	2nd	3rd	BCG		meat	scar	Mo.			Day	Yr.		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]			

Data continued...

002	150	17	1710	1	1			14	1	27	4	1	1	1	1	2	2	1	1	1	1	8.3				08
002	150	17	1711	2	1			7	1	35	1	1	1	2	1	2	2	1	1	2	1	5.7				08
002	150	17	1712	1	1			18	1	20	4	1	1	1	1	1	1	1	1	1	1	11.0				08
002	150	17	1713	2	1			10	1	24	2	1	1	2	1	1	2	1	1	2	1	7.0				08
002	150	17	1714	2	1			35	1	37	2	1	1	1	2	2	2	1	2	1	1	8.7				08
002	150	18	1801	2	1			34	4	49	6	1	1	1	2	2	2	1	1	1	1	11.0				08
002	150	18	1802	1	1			1	1	30	2	2	2	2	2	2	2	2	1	2	2	3.7				08
002	150	18	1803	1	1			2	1	26	2	2	2	2	2	2	2	2	1	2	2	6.5				08
002	150	18	1804	2	1			25	1	26	2	1	2	2	2	2	2	1	2	1	1	10.5				08
002	150	18	1805	1	1			16	1	23	2	1	1	2	1	1	2	1	1	1	1	9.0				08
002	150	18	1806	2	1			2	4	21	2	2	2	2	2	2	2	2	1	2	2	5.5				08
002	150	18	1807	2	1			10	1	23	2	2	2	2	2	2	2	2	1	2	2	6.5				08
002	150	18	1808	1	1			33	1	37	2	1	1	1	2	2	2	1	2	1	1	10.5				08
002	150	18	1809	1	1			23	1	40	2	1	1	2	2	2	2	1	1	1	1	10.7				08
002	150	18	1810	2	1			8	1	23	2	2	2	2	2	2	2	2	1	1	2	8.2				08
002	150	18	1811	2	1			11	1	27	2	1	1	1	1	2	1	1	1	1	1	9.1				08
002	150	18	1812	2	1			23	1	30	2	1	1	1	2	2	2	1	1	1	1	9.0				08
002	150	18	1813	1	1			2	1	27	4	2	2	2	2	2	2	2	1	1	2	3.7				08
002	150	18	1814	2	1			27	1	40	5	1	1	1	2	2	2	1	2	1	1	10.5				08
002	150	19	1901	2	1			26	1	37	4	1	9	9	9	9	9	1	2	1	1	9.5				08
002	150	19	1902	1	1			6	1	23	4	1	1	2	1	1	2	1	1	2	1	6.3				08
002	150	19	1903	1	1			28	1	23	4	1	1	1	1	1	9	1	2	1	1	9.6				08
002	150	19	1904	1	1			23	1	27	4	1	1	1	1	2	2	1	2	1	1	11.3				08
002	150	19	1905	1	1			24	1	25	1	1	1	1	1	2	2	9	2	1	2	11.0				08
002	150	19	1906	1	1			5	1	25	1	1	2	2	1	2	2	1	1	2	1	8.0				08
002	150	19	1907	1	1			6	1	34	4	1	2	2	1	2	2	2	1	2	2	7.0				08
002	150	19	1908	2	1			23	1	37	4	1	1	1	1	1	2	1	1	1	1	11.5				08
002	150	19	1909	1	1			23	1	22	4	1	1	1	2	2	2	1	2	1	1	9.5				08
002	150	19	1910	1	1			1	1	22	4	2	2	2	2	2	2	2	1	2	2	4.0				08
002	150	19	1911	1	1			12	1	18	4	1	1	1	1	1	2	1	1	1	1	8.0				08
002	150	19	1912	2	2	5	2	08	0	1	18	6														08
002	150	19	1913	1	1			29	1	42	4	1	1	1	1	1	2	1	2	1	1	11.5				08
002	150	19	1914	1	1			17	1	31	4	1	1	1	1	2	2	1	1	1	1	7.3				08
002	150	20	2001	2	2	11	12	05	0	4	25	7														08
002	150	20	2002	1	1			24	1	28	2	1	1	1	1	1	1	1	1	1	1	10.5				08
002	150	20	2003	1	1			18	1	32	2	1	1	1	1	1	2	1	1	1	1	10.0				08
002	150	20	2004	1	1			18	1	30	2	1	1	1	1	1	2	1	1	1	1	8.7				08
002	150	20	2005	1	1			26	1	23	2	1	1	2	1	2	2	1	2	1	1	8.0				08
002	150	20	2006	1	1			11	2	20	6	1	1	2	1	1	2	1	1	1	1	9.0				08
002	150	20	2007	2	1			26	2	32	4	1	1	1	1	2	2	1	1	1	1	11.5				08
002	150	20	2008	1	1			5	1	20	5	1	2	2	1	2	2	2	1	2	2	7.5				08
002	150	20	2009	2	1			6	1	24	4	1	2	2	1	2	2	2	1	2	2	8.0				08
002	150	20	2010	1	1			11	1	27	4	1	1	2	1	1	2	2	1	1	2	7.5				08
002	150	20	2011	2	1			8	1	28	4	1	1	2	1	1	2	2	1	1	2	7.5				08
002	150	20	2012	1	1			21	1	25	6	1	1	2	1	2	2	1	1	1	2	9.5				08
002	150	20	2013	2	1			22	1	30	4	1	1	2	1	2	2	1	1	1	1	9.5				08
002	150	20	2014	2	1			4	4	25	1	2	2	2	2	2	2	2	2	2	2	4.0				08
002	150	21	2101	2	1			9	1	30	4	1	1	2	1	1	2	1	1	2	1	7.5				08

Study No.	Ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to mother (yr)	Main birth attendant	Dose of DPT			Dose of OPV			BCG	Breast-fed	Eggs, or fish, BCG		Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code
						Mo.	Day	Yr.				1st	2nd	3rd	1st	2nd	3rd			meat	scar			Mo.	Day	Yr.	
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]		

Data continued...

002	150	21	2102	2	1			7	1	35	4	1	2	2	1	2	2	1	1	2	1	7.2				08
002	150	21	2103	2	2	10	3	05	2		1	35	4													08
002	150	21	2104	1	1			25		30	4	1	1	1	1	1	1	1	1	1	1	10.0				08
002	150	21	2105	2	1			0		27	4	2	2	2	2	2	2	2	1	2	2	3.5				08
002	150	21	2106	2	1			6		19	4	1	2	2	1	2	2	2	1	2	2	7.0				08
002	150	21	2107	2	2	2	5	06	2		1	27	4													08
002	150	21	2108	2	1			4		34	1	2	2	2	2	2	2	2	1	2	2	5.7				08
002	150	21	2109	2	1			4		20	4	1	2	2	1	2	2	1	1	2	1	6.3				08
002	150	21	2110	2	1			7		37	4	1	1	2	1	1	2	1	1	2	1	6.8				08
002	150	21	2111	1	1			26		28	4	1	1	2	2	2	2	1	1	1	1	10.5				08
002	150	21	2112	2	1			27		28	4	1	1	2	2	2	2	1	2	1	1	11.5				08
002	150	21	2113	1	1			30		19	1	1	2	2	2	2	2	1	2	1	1	10.0				08
002	150	21	2114	1	1			2		19	1	2	2	2	2	2	2	2	1	2	2	5.0				08
002	150	21	2115	2	1			4		19	4	1	2	2	1	2	2	1	1	1	1	7.2				08
002	150	22	2201	1	1			27		30	5	2	2	2	2	2	2	2	2	1	2	9.0				08
002	150	22	2202	2	1			29		25	1	1	2	2	2	2	2	1	2	1	1	10.0				08
002	150	22	2203	2	1			3		23	2	2	2	2	2	2	2	2	1	2	2	5.0				08
002	150	22	2204	1	1			3		23	6	2	2	2	2	2	2	2	1	2	2	5.8				08
002	150	22	2205	2	1			26		23	6	2	2	2	2	2	2	1	2	1	1	10.5				08
002	150	22	2206	1	1			4		26	1	2	2	2	2	2	2	2	1	2	2	6.9				08
002	150	22	2207	2	1			27		26	5	2	2	2	2	2	2	2	1	1	2	10.6				08
002	150	22	2208	1	1			30		27	2	1	2	2	2	2	2	1	1	1	2	9.0				08
002	150	22	2209	2	1			3		27	2	2	2	2	2	2	2	2	1	2	2	4.9				08
002	150	22	2210	1	1			14		28	1	1	1	2	1	2	2	1	1	1	1	7.5				08
002	150	22	2211	1	1			35		37	2	9	9	9	9	9	9	1	2	1	1	11.7				08
002	150	22	2212	1	1			7		37	2	1	2	2	9	9	9	1	1	2	1	7.0				08
002	150	22	2213	1	1			29		30	1	1	2	2	2	2	2	1	1	2	1	10.5				08
002	150	22	2214	1	1			18		23	1	2	2	2	2	2	2	2	1	1	2	10.0				08
002	150	23	2301	2	1			2		27	2	2	2	2	2	2	2	2	1	2	2	4.5				08
002	150	23	2302	1	1			32		27	2	1	1	1	2	2	2	1	2	1	1	11.5				08
002	150	23	2303	1	1			9		29	4	1	1	1	1	1	1	1	1	1	1	7.5				08
002	150	23	2304	2	1			3		28	4	2	2	2	2	2	2	2	1	2	2	5.5				08
002	150	23	2305	1	2	9	11	06	13		1	25	4													08
002	150	23	2306	1	1			18		39	4	1	1	1	1	1	1	1	1	1	1	8.5				08
002	150	23	2307	2	1			27		22	4	1	2	2	2	2	2	1	1	1	1	10.0				08
002	150	23	2308	1	1			10		21	4	1	1	1	1	1	1	1	1	1	1	8.5				08
002	150	23	2309	2	1			26		22	4	1	1	1	2	2	2	1	2	1	1	8.5				08
002	150	23	2310	2	1			4		35	4	2	2	2	2	2	2	2	1	2	2	6.0				08
002	150	23	2311	2	1			32		35	4	1	1	1	2	2	2	1	2	1	1	11.0				08
002	150	23	2312	1	1			10		36	4	1	1	1	1	1	1	1	1	1	1	7.0				08
002	150	23	2313	2	1			23		29	5	1	1	1	1	1	1	1	2	1	1	9.0				08
002	150	23	2314	1	1			9		23	6	1	2	2	1	2	2	1	1	2	1	8.5				08
002	150	24	2401	2	1			4		22	4	2	2	2	2	2	2	2	1	2	2	6.0				08
002	150	24	2402	2	1			35		22	4	1	1	1	2	2	2	1	2	1	1	11.0				08
002	150	24	2403	1	1			32		32	4	1	1	1	2	2	2	1	2	1	1	11.0				08
002	150	24	2404	1	1			31		24	4	1	1	1	2	2	2	1	2	1	1	11.0				08
002	150	24	2405	1	1			15		40	4	1	1	1	1	1	2	1	2	1	1	9.0				08
002	150	24	2406	1	1			30		40	4	1	2	2	2	2	2	1	1	1	1	9.0				08
002	150	24	2407	2	1			30		35	4	1	1	1	2	2	2	1	2	1	1	10.0				08

Study No.	Ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to resp-ondent	Age of mother (yr)	Main birth-dant	Dose of DPT			Dose of OPV				Breast-fed	Eggs, fish, or BCG			Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code No.
						Mo.	Day	Yr.					1st	2nd	3rd	1st	2nd	3rd	BCG		meat	scar	Mo.			Day	Yr.		
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]				

Data continued...

002	150	24	2408	2	1			29	1	22	4	2	2	2	2	2	2	1	2	1	1	9.5				08
002	150	24	2409	2	1			3	1	22	4	2	2	2	2	2	2	2	1	2	2	5.5				08
002	150	24	2410	2	1			25	1	40	4	1	1	1	2	2	2	1	1	1	1	8.0				08
002	150	24	2411	1	1			15	2	28	4	1	1	1	2	2	2	1	1	2	1	9.0				08
002	150	24	2412	1	1			6	1	31	4	1	1	1	1	1	2	1	1	2	1	9.0				08
002	150	24	2413	2	1			21	1	28	4	1	1	1	2	2	2	1	1	1	1	9.0				08
002	150	24	2414	2	1			14	1	24	2	1	1	1	2	2	2	1	1	2	1	8.0				08
002	150	24	2415	1	2	9	27	06	3		1	25	2													08
002	150	25	2501	2	1			31	1	22	2	2	2	2	2	2	2	2	2	1	2	10.0				08
002	150	25	2502	1	1			0	1	22	2	2	2	2	2	2	2	2	1	2	2	3.5				08
002	150	25	2503	2	1			13	4	22	2	2	2	2	2	2	2	2	1	1	2	6.5				08
002	150	25	2504	2	1			26	4	22	2	2	2	2	2	2	2	1	2	1	1	10.5				08
002	150	25	2505	2	1			9	1	26	2	2	2	2	2	2	2	2	1	1	2	7.5				08
002	150	25	2506	2	1			9	2	29	2	2	2	2	2	2	2	2	1	1	2	8.5				08
002	150	25	2507	2	1			0	1	22	2	2	2	2	2	2	2	2	1	2	2	2.5				08
002	150	25	2508	2	1			6	1	28	2	1	2	2	1	2	2	1	1	2	2	7.0				08
002	150	25	2509	2	1			35	1	42	2	2	2	2	2	2	2	2	1	1	2	10.5				08
002	150	25	2510	1	1			16	1	25	2	2	2	2	2	2	2	2	1	1	2	9.5				08
002	150	25	2511	2	1			11	1	27	2	1	2	2	1	2	2	1	1	1	2	8.0				08
002	150	25	2512	2	1			7	1	21	6	2	2	2	2	2	2	2	1	1	2	6.5				08
002	150	25	2513	1	1			34	1	21	2	2	2	2	2	2	2	2	2	1	2	8.0				08
002	150	25	2514	1	1			16	1	41	2	2	2	2	2	2	2	2	1	1	2	7.5				08
002	150	26	2601	1	1			18	2	44	1	1	1	2	2	2	2	1	1	1	1	9.5				08
002	150	26	2602	1	1			20	1	35	4	1	1	1	2	2	2	1	2	1	1	10.5				08
002	150	26	2603	2	1			14	1	32	1	1	2	2	1	2	2	1	1	2	1	7.0				08
002	150	26	2604	1	1			24	1	24	6	2	2	2	2	2	2	1	2	1	2	10.0				08
002	150	26	2605	2	1			2	1	20	1	2	2	2	2	2	2	2	1	2	2	4.0				08
002	150	26	2606	1	1			29	5	24	1	2	2	2	2	2	2	1	1	1	1	11.0				08
002	150	26	2607	2	1			18	1	23	4	2	2	2	2	2	2	2	1	1	2	9.0				08
002	150	26	2608	1	1			28	1	24	4	1	2	2	2	2	2	1	1	1	1	10.0				08
002	150	26	2609	2	2	7	18	07	0		1	39	1													08
002	150	26	2610	2	1			24	2	36	6	2	2	2	2	2	2	9	1	1	2	9.0				08
002	150	26	2611	1	1			14	1	39	1	2	2	2	2	2	2	2	2	1	2	9.5				08
002	150	26	2612	1	1			7	1	22	1	2	2	2	2	2	2	2	1	2	2	8.0				08
002	150	26	2613	1	1			13	2	24	6	1	1	2	2	2	2	2	2	1	2	8.0				08
002	150	26	2614	1	1			32	2	24	4	2	2	2	2	2	2	2	2	1	2	12.5				08
002	150	27	2701	2	1			16	1	27	2	1	1	2	1	1	2	1	1	1	1	7.8				08
002	150	27	2702	2	1			35	1	27	1	1	2	2	2	2	2	1	2	1	1	11.0				08
002	150	27	2703	1	1			28	1	28	2	1	2	2	2	2	2	1	2	1	1	11.0				08
002	150	27	2704	1	1			11	1	28	2	1	1	2	1	1	2	1	1	2	1	7.5				08
002	150	27	2705	2	1			9	1	31	2	1	1	2	1	1	2	1	1	2	1	7.5				08
002	150	27	2706	1	1			13	1	22	2	1	1	2	1	1	2	1	1	2	1	9.2				08
002	150	27	2707	1	1			32	2	24	4	9	9	9	9	9	9	1	2	1	1	10.7				08
002	150	27	2708	2	1			16	1	25	2	1	2	2	1	1	2	1	1	2	1	8.2				08
002	150	27	2709	2	1			6	1	25	2	1	2	2	1	2	2	1	1	2	1	7.5				08
002	150	27	2710	2	1			21	1	24	2	2	2	2	2	2	2	1	1	1	1	9.2				08
002	150	27	2711	2	1			13	1	31	2	1	1	2	1	1	2	1	1	2	1	7.0				08
002	150	27	2712	2	1			29	1	41	4	1	2	2	2	2	2	1	1	1	1	11.0				08

Study No.	Ship No.	Clu. No.	ID No.	Sex	Current vital status	Death Date			Age at death (mo)	Relation to mother (yr)	Main birth date	Dose of DPT			Dose of OPV			BCG	Breast-fed	Eggs, fish, BCG		Weight (kg)	Growth chart zone	Date of Interview/Exam.			Int./Exam. Code
						Mo.	Day	Yr.				1st	2nd	3rd	1st	2nd	3rd			meat	scar			Mo.	Day	Yr.	
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]	[23]	[24]	[25]	[26]		
002	150	27	2713	2	1			27	1	36	2	2	2	2	2	2	2	1	1	2	11.0				08		
002	150	27	2714	1	1			22	1	30	1	2	2	2	2	2	2	1	1	1	2	9.5			08		
002	150	28	2801	1	1			26	1	35	2	2	2	2	2	2	2	1	1	2	10.7				08		
002	150	28	2802	1	1			35	2	28	4	2	2	2	2	2	2	1	2	1	1	12.2			08		
002	150	28	2803	1	1			1	1	20	2	2	2	2	2	2	2	1	2	2	5.0				08		
002	150	28	2804	1	1			22	1	20	2	1	2	2	2	2	2	1	2	1	1	9.5			08		
002	150	28	2805	2	1			6	1	34	2	1	1	2	1	1	2	1	1	2	1	8.0			08		
002	150	28	2806	1	1			15	1	25	2	1	2	2	2	2	2	1	1	1	1	7.5			08		
002	150	28	2807	1	1			3	1	31	4	2	2	2	2	2	2	2	1	2	2	6.5			08		
002	150	28	2808	1	1			35	1	31	2	1	2	2	2	2	2	1	2	1	1	12.0			08		
002	150	28	2809	2	1			17	1	30	2	1	1	2	2	2	2	1	1	1	1	9.0			08		
002	150	28	2810	2	1			16	1	32	2	1	2	2	2	2	2	1	1	1	1	9.0			08		
002	150	28	2811	2	1			29	1	26	4	1	1	1	2	2	2	1	1	1	1	9.7			08		
002	150	28	2812	2	1			25	1	22	2	2	2	2	2	2	2	2	2	1	2	9.5			08		
002	150	28	2813	2	1			32	4	43	6	2	2	2	2	2	2	1	2	2	1	9.7			08		
002	150	28	2814	2	1			6	1	19	2	2	2	2	2	2	2	2	1	2	2	7.0			08		
002	150	29	2901	2	1			11	1	20	6	1	1	2	1	1	2	1	1	2	1	9.3			08		
002	150	29	2902	1	1			21	1	32	4	1	1	2	1	2	2	1	1	1	1	9.5			08		
002	150	29	2903	2	2	7	17	07	0		1	32	4												08		
002	150	29	2904	2	1			8	1	34	6	1	1	2	1	1	2	1	1	2	1	6.5			08		
002	150	29	2905	1	1			13	1	30	4	1	2	2	1	2	2	1	1	1	1	9.3			08		
002	150	29	2906	2	1			12	1	33	6	1	1	2	1	1	2	1	1	2	1	7.8			08		
002	150	29	2907	2	1			7	1	23	6	1	1	2	1	1	2	1	1	2	1	6.5			08		
002	150	29	2908	1	1			29	1	23	4	2	2	2	2	2	2	1	1	1	1	11.5			08		
002	150	29	2909	1	1			27	1	26	4	1	1	2	2	2	2	1	2	1	1	10.0			08		
002	150	29	2910	1	1			16	1	22	4	1	2	2	2	2	2	2	1	1	2	8.1			08		
002	150	29	2911	1	1			29	2	22	4	1	2	2	1	2	2	1	1	1	1	11.2			08		
002	150	29	2912	2	1			6	1	27	4	1	2	2	1	2	2	1	1	2	1	7.7			08		
002	150	29	2913	2	1			8	1	22	4	1	1	2	1	1	2	1	1	2	1	7.6			08		
002	150	29	2914	1	1			6	1	27	4	1	1	2	1	1	2	1	1	2	1	6.5			08		
002	150	30	3001	2	1			2	1	20	4	2	2	2	2	2	2	2	1	1	1	5.1			08		
002	150	30	3002	1	1			18	1	21	4	1	2	2	1	2	2	1	2	1	1	7.8			08		
002	150	30	3003	1	1			12	1	28	4	1	1	1	1	1	1	1	1	1	1	6.7			08		
002	150	30	3004	2	1			34	1	33	4	1	9	9	1	9	9	1	1	1	1	9.7			08		
002	150	30	3005	2	1			0	1	18	2	2	2	2	2	2	2	2	1	2	2	4.5			08		
002	150	30	3006	2	1			20	1	35	4	1	1	2	1	2	2	1	1	1	1	6.5			08		
002	150	30	3007	1	1			1	1	29	4	2	2	2	2	2	2	2	1	2	2	3.6			08		
002	150	30	3008	2	1			20	1	29	4	1	1	2	1	1	2	1	1	1	1	8.5			08		
002	150	30	3009	1	1			0	2	42	5	2	2	2	2	2	2	2	1	2	2	2.5			08		
002	150	30	3010	1	2	6	2	06	0		1	26	4												08		
002	150	30	3011	1	1			20	2	24	4	1	1	2	1	2	2	1	1	1	1	9.5			08		
002	150	30	3012	2	1			34	1	31	4	1	2	2	2	2	2	1	2	1	1	11.6			08		
002	150	30	3013	2	1			18	1	30	4	1	1	1	1	1	2	1	1	1	1	9.8			08		
002	150	30	3014	2	1			5	1	32	4	2	2	2	2	2	2	2	1	2	2	5.0			08		
Total count					417	417	21	21	21	21	396	417	417	417	396	396	396	396	396	396	396	396	396	396	396	417	

Data continued...