APPENDICES

APPENDICES

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CAMP ASSESSMENT FORM

Name of Individual

	Who Completed Form					
	Date:					
mp:	Region:					
al Population (End last month):						
New arrivals previous month:						
Departures previous month:						
Births previous month:						
Deaths previous month:						
gin of Population:						
off:						
National staff total:						
Administration						
Educators						
Health:						
Doctors						
Nurses						
Sanitarians						
Nurse Midwives						
Assistant Pharmacists						
Nurse Auxiliaries						
Lab Technicians						
Other						
Refugee Personnel (paid/volunteer)						
Doctors						
Nurses	-					
Midwives						
Expatriate (total)						
Doctors						
Nurses						
Other						
	ney perceive to be the most serious:					

APPENDIX 1 -- Continued

Facilities/Programs:
Health
Health Center
Sub-Health Center
Health Posts
Pharmacies/Storage
Hospital Beds/Spaces
Occupied
MCH Program:
Special Treatment Program:
Other:
Food:
Stores (Type of construction/condition):
Supply (Adequate/needed):
Distribution System (To whom, when, how/records)
Normal Ration:
Supplementary Feeding Program (Criteria): Items
Method of Distribution
Total in program:
Number of children
Number of women
Therapeutic Feeding Program (Criteria):
Items
Method of Distribution
Number of children

APPENDIX 1 -- Continued

Schools Other Water/Sanitation: Water All year Seasonal River (untreated or treated) Spring Shallow Well Deep Well Natural Dam Artificial Dam Trucked into Camp Collected Rainwater Other Sanitation Latrines Bush Near water supply Wastes Collected Garbage pits Shelter: Environment (Wood supply, erosion, dust): Other: Gardens Animals

APPENDIX 2 POPULATION STRUCTURE SURVEY

Camp:	Camp:		Region:	Region:			Date:		
Number of			Number of	202012		Wb 5	1a		
Number of people in household				people old		Number of in househo			
Date of ar	Date of arrival in camp Number of reported deaths in the last month			rrival		in household Date of arrival in camp			
Number of a				reported d	eaths		reported de		
Name	M/F	Age	Name	M/F	Age	Name	M/F	<u>Age</u>	
					1				
		į							
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of

Page ___

NUTRITIONAL ASSESSMENT WORKSHEET

Site

100+ Weight for Height Percent of Median - WHO Reference 81-100 71-80 61 - 7009 - Weight (kg) Height (cm) Vit. A Edema Sex (M/F) Age

APPENDIX 4 DAILY MORTALITY LOG

Camp:				 	Region:		
Date	Death Number	Age	Sex	Pre-Camp Home	Time in Hospital	Diagnosis	Place of Death
11/21	1	10 mm.	3.	004	٦	Dehigdration Bulmonary edima earbral malaria Pricumonia ?(Sound: death tent ?(Sound: statistics)	Ward 7
	2	10 das.	M	204	12 hrs.	Bulmonary edina	ward 7
	3	3 egu.	j=	è	2 days	cerebral malaria	word 1
11/22	4	ہوسی	M	٩	5 min.	Ancumania	nord 7
	ري	baby	۶	P		? (Source: death tent	Earny tent
	6	adult	F	ś		? (source: statistics	?
	· · · · · · · · · · · · · · · · · · ·						
**							

Explanation

Kept by: Epidemiologist

Frequency: Twice a day (early morning; late afternoon)
Sources: Coordinating agency's record book; admissions tent;
hospital's "on-call" M.D.; ward personnel; death tent;

burial statistics.

APPENDIX 5
AGGREGATED DAILY MORTALITY

	Week 1										
Date	11/21	11/22	11/23	11/24	11/25	11/26	11/27	Total			
Total	3	2	3	3	4	4	2	21			
Age < 1	1/3	,	1	1	1160	1	1	9			
1 - 4	1			/				3-			
5 - 14											
15 - 44			/	1				2			
> 44	/	/						3			
Sex		,	/// Ø	1	// (/	/	10			
M F	113	1	///	,	//	111		7			
Dx*			<u> </u>								
Fever/Malaria	11 D							2 8 4 7			
Pneumonia	1	/	1	///3	11 2			8			
	1		1				11(1)	4			
Malnutrition	1		1	112	1	1	1	7			
Miscellaneous	1										
Anemia											
Tuberculosis											
Meningitis											

Explanation:

Kept by: Epidemiologist

Frequency: Weekly

Source: Daily mortality log

^{*} Total Dx is greater than total deaths because of multiple \mathtt{Dx} .

IN-CAMP MORTALITY SURVEY

Camp:

Region: Date:

1/mo. 1 0 11 mo. ge 0 SZYSYZW 1 9me. O 3 0 6ma 7 0 10 me. yel NAKKIDMN 1 9 mo. O 0 S 1/me 1/mo. 0 3 0 C 0 (2) 9 mo. 1 0 mh DYSENTERX > 11 mo. 8 0 9 mo. yes 3 yer 0 9 C. DIARRHEA D. DIARRHER 1/mo. 0 0 Ø c. Pre-school? 1. How long have you been in your children camp? If so, how many? 5. What did that one month? have been in a. Less than you reached children do Have any of your childdie before If so, how 6. Did any of breast? the camp? b. At the child die you have? since you the camp? ren died 2. How many 4. Was that child: many? from? ë.

APPENDIX 7

NUMBER OF ADMISSIONS, DISCHARGES, OUTPATIENTS, BY DAY

Date	Number in Hospital	Number of Admissions	Number of Discharges	Number of Outpatients

APPENDIX 8
ADMISSIONS REGISTRY, BY CAUSE, AGE, SEX

	1	2	SEX	
Date	Age	Male	Female	Cause
			 	
		-		
	<u> </u>			
	1			
	<u> </u>			
	 			
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TOTALS OF DAILY CENSUS TAKEN AT SCREENING AREA
Page One

	Pre-Ca	amp Home	of Arri	vals	To Hos	pital	Number Pregnant		
Date	007	204	Daily Total	Cum. Total	Daily Total	Cum. Total	Daily Total	Cum. Total	
11/21	3575	1198	4893	4843	461	461	378	318	
11/21	1571	704	2218		249	704	144	5-5-0	
	<u> </u>						 		
					<u> </u>				
							 		
	+								
					 				
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EXPLANATION

Kept by: Epidemiologist

Frequency: Daily

Source: Records kept by workers at screening area

APPENDIX 9 -- Continued

TOTALS OF DAILY CENSUS TAKEN AT SCREENING AREA

Page Two

Date	Males	Females	Children < 12	Number of Pregnant Women	To Outpatient Department
11/21	2269	2614	2784	3	675
11/21	1057	1221	1370	6	380
					7
					· · · · · · · · · · · · · · · · · · ·
					· · · · · · · · · · · · · · · · · · ·
<u>, , , , , , , , , , , , , , , , , , , </u>					
					
<u> </u>					

EXPLANATION:

"repared by: Epidemiologist

quency: Daily

Records kept by workers at the screening area

MORBIDITY LOG

() = %

	11/21	11/22	11/23	11/24	11/25	11/26	11/2
Number	75	63					<u> </u>
Age - ≤ 1 mo.	10 (13)	4(6)					
1 - 11 mos.	21 (30)						
1 - 4 yrs.	17 (23)	16 (25)					
5 - 14 yrs	14 (19)	14 (23)					
15 - 44 yrs.	5 (4)	2(3)					
45 - 64 yrs.	3 (4)	3 (5)					
65+	4 (5)	2 (3)					
		,					
Sex - Male	30 (40)	30(49)					
Female		33 (52)					
Diagnosis -							
Fever/Malaria	-	19 (38)	· · · · · · · · · · · · · · · · · · ·			1	
Diarrhea		3 (6)	· ·				
Pneumonia		14 (24)					
Malnutrition	_	3 (6)					
Anemia		1(2)					
Other		6(12)					
······································							
	<u> </u>						

EXPLANATION:

Kept by: Epidemiologist

Frequency: Daily

Source: Admission Log kept by hospital workers

APPENDIX 11 HOSPITAL CENSUS DATA

Data	Number Date in		Number	Admissio	ns Records	Number of Outpatients	
Date	Hospital	Beds	of Deaths	Admitted	Discharged	Treated	
11/16	483	~ 1000	51	33	33		
11/24	508		64	42	3.2		
11/28	485		64	48	50		
		<u> </u>					
		+					
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		<u> </u>					
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 	-						

Explanation:

Kept by: Epidemiologist
Frequency: Daily

Source: Coordinating agency's record book or hospital log books

APPENDIX 12 REFUGEE CAMP MONTHLY SURVEILLANCE REPORT

I Population Data 1. total population (end of previous month) 2. total population (end of this month) 3. new arrivals (this month) 4. number of departures 5. births in camp (this month) 6. deaths in camp (this month) 6. deaths in camp (this month) II Health Personnel Data physicians nurses lab technicians nurses—auxiliaries sanitarians asst. pharmacist III Mortality Data Cause of Death <1 month 1-11 mos. 1-4 yrs. 5-14 yrs. 15+ yrs. Total Respiratory problem Diarrheal illness Measles Stillborn Other IV Morbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough fever + chilis/malaria didarrhea, no blood family fever + chilis/malaria fever + cough		Region_	Ca	amp		Month	Year
2. total population (end of this month) 3. new arrivals (this anoth) 4. number of departures 5. births in camp (this month) 6. deaths in camp (this month) 11 Health Personnel Data physicians nurses lab technicians nurses lab technicians nurses community HWs sanitarians asst. pharmacist 111 Mortality Data Cause of Death <1 month 1-11 mos. 1-4 yrs. 5-14 yrs. 15+ yrs. Total Respiratory problem Diarrheal illness Measles Stillborn 12 Norbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough 2 fever + cough # under treatment 4 diarrhea, no blood # under treatment 5 diarrhea + blood # new patients 6 malnutrition C. Total Currently Under Treatment 7 measles 8 anemia 9 eye infection 10 ear infection 11 blood in urine 12 OB/CYN 13 skin diseases 15 trauma 16 other	I	Population Data					
physicians nurse mid-wives nurse nurse any serious community HWs community HWs sanitarians asst. pharmacist III Mortality Data Cause of Death <1 month 1-11 mos. 1-4 yrs. 5-14 yrs. 15+ yrs. Total Respiratory problem Diarrheal illness		 total population new arrivals (t number of depar births in camp 	n (end of his month) tures (this mont	this month)	nth)		
nurses nurse auxiliaries sanitarians asst. pharmacist III Mortality Data Cause of Death <1 month 1-11 mos. 1-4 yrs. 5-14 yrs. 15+ yrs. Total Respiratory problem Diarrheal illness Measles Stillborn ////////////////////////////////////	II	Health Personnel Dat	<u>:a</u>				
Cause of Death <1 month 1-11 mos. 1-4 yrs. 5-14 yrs. 15+ yrs. Total Respiratory problem Diarrheal illness Measles Stillborn ////////////////////////////////////		nurses nurse-auxiliaries sanitarians		lab com	technicia munity HWs	ens	
Respiratory problem Diarrheal illness Measles Stillborn Other Total deaths IV Morbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS fever, no cough fever + cough fever + chills/malaria diarrhea, no blood diarrhea, no blood diarrhea + blood malnutrition measles anemia eye infection lo ear infection lo blood in urine lo B/GYN skin diseases aches and pains trauma other Total deaths A. End of Last Month # under treatment f under treatment C. Total Currently Under Treatment C. Total Currently Under Treatment Aches and pains trauma other	III	Mortality Data		400			
Respiratory problem Diarrheal illness Measles Stillborn Other Total deaths IV Morbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS fever, no cough fever + cough fever + chills/malaria diarrhea, no blood diarrhea, no blood diarrhea + blood malnutrition measles anemia eye infection lo ear infection lo blood in urine lo B/GYN skin diseases aches and pains trauma other Total deaths A. End of Last Month # under treatment f under treatment C. Total Currently Under Treatment C. Total Currently Under Treatment Aches and pains trauma other		Cause of Death	<1 month	1-11 mos.	1-4 yrs.	5-14 yrs.	15+ yrs. Total
Measles Stillborn Other Total deaths IV Morbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough							
Stillborn ////////////////////////////////////		Diarrheal illness					
Other Total deaths IV Morbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough		Measles					
Total deaths Norbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough # under treatment 4 diarrhea, no blood # under treatment 5 diarrhea + blood # new patients 6 malnutrition C. Total Currently Under Treatment 7 measles anemia eye infection 10 ear infection 11 blood in urine 12 oB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other		Stillborn		11]11111111	////// ////	<u> </u>	///////
Total deaths Norbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough # under treatment 4 diarrhea, no blood # under treatment 5 diarrhea + blood # new patients 6 malnutrition C. Total Currently Under Treatment 7 measles anemia eye infection 10 ear infection 11 blood in urine 12 oB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other							
Morbidity Data Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS fever, no cough fever + cough fever + chills/malaria diarrhea, no blood diarrhea + blood malnutrition measles anemia eye infection lood in urine 00B/GYN skin diseases aches and pains trauma other fever, no cough A. End of Last Month # under treatment B. During This Month # new patients C. Total Currently Under Treatment C. Total Currently Under Treatment Treatment A skin diseases A aches and pains trauma other		Other					
Major Symptom # % 17 SPECIAL TREATMENT PROGRAMS 1 fever, no cough						Total d	eaths
fever, no cough fever + cough fever + chills/malaria diarrhea, no blood diarrhea + blood malnutrition measles anemia eye infection lo ear infection lo blood in urine cob/CYN skin diseases aches and pains trauma other	IV			 .			
fever + cough fever + chills/malaria diarrhea, no blood diarrhea + blood feast Month fever + chills/malaria diarrhea, no blood finew patients C. Total Currently Under Treatment measles anemia geye infection lo ear infection blood in urine cob/GYN skin diseases aches and pains trauma other			#		17 SI	PECIAL TREAT	MENT PROGRAMS
# under treatment diarrhea, no blood diarrhea + blood malnutrition measles anemia eye infection lo ear infection lo blood in urine lo OB/GYN skin diseases 4 aches and pains trauma other					A. End	of Last Mon	th
4 diarrhea, no blood 5 diarrhea + blood 6 malnutrition 7 measles 8 anemia 9 eye infection 10 ear infection 11 blood in urine 12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other					# ur	nder treatme	nt
diarrhea + blood # new patients malnutrition C. Total Currently Under Treatment measles anemia eye infection lo ear infection blood in urine ob/GYN skin diseases aches and pains trauma other			:1a		R Dur	ing Thic Mon	+h
6 malnutrition C. Total Currently Under Treatment 7 measles 8 anemia 9 eye infection 10 ear infection 11 blood in urine 12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other							<u>C11</u>
measles anemia eye infection blood in urine condition condition limited blood in diseases aches and pains trauma other						-	
8 anemia 9 eye infection 10 ear infection 11 blood in urine 12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other			- 		C. <u>Tota</u>	1 Currently	Under Treatment
9 eye infection 10 ear infection 11 blood in urine 12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other							
10 ear infection 11 blood in urine 12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other							
11 blood in urine 12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other							
12 OB/GYN 13 skin diseases 14 aches and pains 15 trauma 16 other			-				
skin diseases aches and pains trauma other							
14 aches and pains 15 trauma 16 other							
15 trauma 16 other							
16 other							

APPENDIX 12 - Continued

V Supplementary Intensive Feeding Data

Supplementary Feeding

	# enrolled			Total	
Category	(end last month)	admissions	discharges	(end this	month)
0-5 years		<u> </u>			į
(up to 110 cm)					[
(71-80% median weight for height)					
Pregnant women					
lactating women					
TB patients					
prescription					
(elderly and other ill)					
		Total in	SFP program		
Number of persons en	rolled (end last mo	nth)			
who failed to gain w		(%)			
	Intensive Fe	eding			
	# enrolled	<u> </u>			Total (end
	(end last month)	admissions	discharges	deaths	this month)
0-5 years				1	
(up to 115cm)					
(less than 71% median w-h)					
<u> </u>		<u> </u>	L	- 	<u> </u>
Number of persons en who failed to gain w		nth) (%)			
_	reagne.	(%)			
VI Drug Usage Data	** * .1 4				
Medication ORS	Used this month packets	Remaining Ex	spiration date	<u>e</u>	
					
tetracycline	tablets			-	
streptomycin	vials				
chloroquine	tablets			-	
triple-penicillin	vials			-	
ferrous sulfate	tablets				
VII <u>Health Activiti</u>	es				
1. total number of	pit latrines in cam	р			
2. number of pit la	atrines dug by refug	ees this month	1		
3. number of routing	<u>ne</u> vaccinations give	n this month:			
DPTPolio_	Measles				

REGIONAL MONTHLY SURVEILLANCE REPORT

	Re	gion	_			Month	ı				
I	Popu	lation Data									
	1.	1. total regional population (end of previous month)									
	2.	total regional populati	ion (end o	f thi	s mont	:h)			_	
	3.	new arrivals in the reg	gion	(this	mont	h)				_	
II	Mort	ality Data	Camp	Name							
**			Camp	Маше							
		e of Death		1	1				Total	ו	
		iratory problems rheal illness		-						-	
	 			- 	ļ	 -	 	- 			
	Meas			- 						-	
	Stil	lborn			 					1	
	0.1				<u> </u>	 -	 			-	
	Othe	r	_							=	
	Mort	ality Rate*			<u> </u>]	
	* Mo	rtality rate = $\frac{\text{total no}}{\text{populat}}$	ımber	of d	eaths		x 1000)			
		populati	ion a	it end	of m	onth					
III	Morb	idity Data									
	No.	Major Symptom	#	 	%		-	17 TUBE	RCULOSIS	<u> </u>	
	1	fever, no cough					Α.	End of I	ast Mont	<u>:h</u>	
	2	fever + cough			<u> </u>			# under	treatmer	nt	
	3	fever + chills/malari	a					suspe	ect		
	4	diarrhea, no blood						sputu	ım +		
	5	diarrhea + blood					в.	During T	hie Mont	- . .	
	6	malnutrition					ν.	# new pa		-11	
	7	measles						-			
	8	anemia						suspe		· · · · · · · · · · · · · · · · · · ·	
	9	eye infection						sputu			
	10	ear infection					С.	Total Cu	rrently	rreated	
	11	blood in urine									
	12	OB/GYN									
	13	skin diseases									
	14	aches and pains	1								
	15	trauma	T								
	16	other	1			\dashv					

TOTAL

APPENDIX 13 -- Continued

IV Supplementary/Intensive Feeding Data

Supplementary	Feeding
---------------	---------

Name	οf	Camp	

I	 		 	 	 	TOTAL
#enrolled (end last month)						
admissions						
discharges	 <u> </u>	ļ	 ļ			
deaths						
# enrolled (end this month)						
% failing to gain weight						

Intensive Feeding

Name of Camp

	 		 	 	 	 TOTAL
# enrolled (end last month)		-				
admissions			 			
discharges						
deaths						
# enrolled (end this month)						
% failing to gain weight						

٧	Health Activities

1.	#]	pit	latrines	dug l	bу	refugees	this	month		
2.	# 0	of r	outine va	accina	atí	ons giver	this	month	n:	

BCG ____ DPT ___ Polio ___ Measles _____

3. others (e.g., health education)

GUIDELINES FOR SELECTING SAMPLE SIZES

To obtain information about the health status of large populations it will often be necessary to conduct surveys of samples selected from the total population. Sample surveys will generally be used in three ways:

- to obtain information on the health status of the population during the initial rapid assessment.
- to obtain information on the prevalence of specific diseases during the screening of incoming refugees.
- to obtain information on existing health problems during the ongoing surveillance activities.

These guidelines will enable you to determine how large a sample you need to ensure that your results will be within the recommended limits of reliability. CDC recommends that survey results be calculated within a 95% confidence interval. It is also recommended that the confidence limits be \pm 5% or less whenever serious health problems are being studied, but be no larger than $\pm 10\%$.

Use the procedure described on the following pages.

1. Estimate the percentage of the population suffering from the health problem to be studied (e.g., malnutrition).

If you are surveying more than one health problem, use the largest estimated percentage. If you cannot estimate the percentage, use 50% as a rough estimate.

2. Locate the column on the table below corresponding to your estimate.

Locate the columns on the table labelled "Percentage observed in sample" and find the column that corresponds to your estimate. If the estimated percentage falls between two column headings, use the column with the larger percent (e.g., if you estimate that the percentage of malnutrition in the population is 45%, use the 50% column).

В	CONFIDENCE INTERVALS AT 95 % PROBABILITY LEVEL CORRESPONDING TO
	VARIOUS SAMPLE SIZES AND SAMPLE PERCENTAGES

	Percentage observed in sample									
Sample NZE	5 %	10%	20 %	30 %	40%	50%				
30	1–18	2-26	8-39	15-49	23-59	31-69				
40	1-17	3-24	9-36	17-47	25-57	34-66				
50	1-15	3-22	10-34	18-45	26-55	36-65				
60	1-14	4-20	11-32	19~43	28-54	37-63				
80	1-12	4-19	12-31	20-41	29-52	39-61				
100	2-11	5-18	13-29	21-40	30 –50	40-60				
200	2-9	6-15	15-26	24-37	33-47	43-57				
300	3-8	7-14	16-25	25-36	35-46	44-56				
400	3-8	7-13	16-24	26-35	35-45	45-55				
500	3-7	8-13	17-24	26-34	36-45	46-55				
1000	4-7	8-12	18-23	27-33	37-43	47-53				
2000	4-6	9–11	18-22	28-32	38-42	48-52				

3. Locate the confidence intervals with limits of ±5% and ±10%.

Looking down the column you located in Step 2, locate the confidence interval with limits of no more than $\pm 5\%$ (e.g., in the 50% column, this is the 45% - 55% interval). Also, locate the confidence interval with limits of no more than $\pm 10\%$ (e.g., in the 50% column, this is the 40% - 60% interval).

Reprinted from The Management of Nutritional Emergencies in Large Populations, World Health Organization, 1978, p. 96.

APPENDIX 14 - Continued

4. Determine the sample size.

- a. Locate the column labelled "Sample size" on the left of the table.
- b. In that column, find the sample size that corresponds to the ±5% confidence limits (e.g., for confidence limits at 45% and 55%, the sample size is 400). This is the minimum sample size you need to ensure that the survey results will be within confidence limits of +5% with a 95% confidence interval.
- c. Now find the sample size that corresponds to the ±10% confidence limits (e.g., for confidence limits at 40% and 60%, the sample size is 100). This represents the minimum sample size you need to ensure that the survey results will be within confidence limits of ±10% with a 95% confidence interval.
- d. These two sample sizes are based on a <u>simple random sample</u>. If you will be using cluster sampling, add 10% to each sample size (e.g., if the size for a simple random sample is 400, the size for a cluster sample with the same confidence interval is 440).
- e. Add 10% of the cases to each sample size, to allow for cases that will have to be excluded from the calculations due to missing or inaccurate information.
- f. The two sample sizes that you now have represent a range of the recommended sample sizes. Use the decision table on the following page to determine your actual sample size.

Arrenula 14 - Continued

IF:	AND:	THEN:
 any of these conditions apply to your survey: the estimated % of cases is high, information on serious diseases will be collected, 	you have sufficient time, personnel, and resources to survey the total sample for the 95% confidence interval with limits of ±5%,	select the sample size for the 95% confidence interval with limits of ±5%.
• information on multiple health problems will be collected,	you do <u>not</u> have sufficient time, personnel, or resources to survey the total sample for the 95% confidence interval with limits of ±5%,	select a sample size as close as possible to the sample size for a 95% confidence interval with limits of ±5% without going below limits of ±10%.
none of the above conditions apply to your survey,		select either a sample size of 200 or the sample size for a 95% confidence interval with limits of ±10%, whichever is larger.

GUIDELINES FOR USING THE TABLE OF RANDOM PERMUTATIONS OF NUMBERS, 00-99

The two-page table on pages 71-72 contains 2400 digits scrambled together at random. To make the table easy to read, the lines of numbers have been grouped into pairs and the pairs into blocks.

To use this table to select at random one item from a group of items:

- Count or estimate the total number of items in the group (e.g., the total number of dwellings along a certain directional line in a village).
- Pinpoint at random a number in the table having as many digits as there are digits in the total number of items in your group. (Instructions are given below.)
- Select the item with the same number as the random number you pinpointed in the table.

How to Pinpoint a Random Number:

- · Close your eyes.
- Put your finger or a pencil point down anywhere on either of the two pages.
- Read a one-, two-, or three-digit number according to the instructions in the tables below.

IF THE POINT YOU TOUCH IS:	AND YOUR TOTAL NUMBER OF ITEMS IS:	THEN READ THE NUMBER MADE UP OF:							
	9 or less,	the second digit in the number-pair.							
on or just below a	10-99,	both digits in the number-pair.							
number-pair,	100-999,	both digits in the number-pair pre- ceded by the second digit of the number-pair to its left.							
in or just	9 or less,	the second digit in the right-hand number-pair.							
below a space between two number-pairs,	10-99,	both digits in the right-hand number-pair.							
	100-999,	the second digit of the left-hand number-pair followed by the right-hand number-pair.							

• Compare the number you read in the table with your total number of items and follow the instructions in the table on the next page.

IF THE NUMBER READ IN THE TABLE IS:	AND YOUR TOTAL NUMBER OF ITEMS IS:	THEN:							
Less than or equal to your total number of items,		use the number as your random number.							
	9 or less,	- move up or down, left or right in the table until you reach a number-pair in which the right-hand digit is less than or equal to your total number of items. - Use that digit as your random number.							
More than your total number of items,	10-99,	- move up or down, right or left in the table until you reach a number-pair that is less than or equal to your total number of items.							
		- Use that number-pair as your random number.							
	100-999,	- move up or down, right or left in the table until you reach two number-pairs in which the second digit of the left-hand pair followed by the right-hand pair form a 3-digit number that is less than or equal to your total number of items.							
		- Use that 3-digit number as your random number.							

^{*} Decide before you pinpoint a number in the table what direction you will move in if the number is too large.

APPENDIX 15 -- Continued

TABLE OF RANDOM PERMUTATIONS OF NUMBERS, 00-99

-Page One-

61	70	39	69	49	43	59	19	52	69	17	40	41	10	73	90	24	94	00	45
26	89	56	16	42	23	17	93	77	38	63	85	84	46	05	82	44	15	25	44
16	30	23	74	39	96	14	10	91	03	27	06	11	69	30	70	00	13	88	76
11	76	21	59	98	27	60	51	12	83	36	70	15	30	43	65	75	08	57	29
28	95	07	98	19	92	90	60	52	53	49	47	41	54	88	57	55	93	90	77
60	29	47	90	Λ.	48	34	۵۵	47	17	10	23	39	53	12	57	63	76	40	18
75	96	56	52	33	15	13	85		92	80	58	20	33	86	95	91	14	08	04
03	70	50	11	38	98		39		51	10	26	38	94	91	44		11	47	31
43	41	68	05	07	44	75	42	76	56	01	84	33	13	48	21	51	37	85	34
27		52			79		55				21		94	71	20	51	ر 80		22
••	• •	<i>3</i> 2	.,	7,	,,	,	,	,		00		00	,,	,.	10	7.	-	,,	• •
79	95	21	63	02	01	79	58	48	81	57	89	58	45	40	49	90	22	26	67
93	88	64	16	19	71	97	07	32	01	92	89	67	95	58	46	98	78	18	32
62	69	22	09	78	78	61	26	70	29	63	38	65	63	64	49	65	15	97	64
88	00	83	73	32	05	24	06	13	38	10	36	24	56	85	61	99	65	30	58
68	69	35	80	28	51	53	71	64	96	44	32	41	66	56	32	15	34	18	50
25	50	99	20	92	20	45	02	30	35	66	72	97	54	55	65	14	54	89	33
76	77	27	40	18	13	97	14	90	18	07	22	78	46	80	49	67	19	02	84
36	83	29	00	31	58	50	82	47	79	09	20	22	82	14	99	19	74	64	20
04	59	16	03	36	75	68	63	09	77	69	57	70	09	99	05	10	24	29	32
21	50	59	89	75	53	31	72	34	64	86	45	86	16	28	54	72	78	04	-
73	56	83	-	80		27				81	04			87		36		01	39
					41														
89	11		59			42							74		67			86	
95	31	36	25		21		03						19		24		-	,27	
06	91	48	34	52	62	25	82	91	87	99	41	88	54	77	12	31	73	25	48
79	84	34	86	01	28	03	85	62	11	04	71	66	93	06	37	08	74	.95	48
98	96	96	94	09	65	43	55	94	55	53	87	80	67	42	46	38		45	79
93	84	74	40	86	96	42	44	68	51	71	31	46	72	61	30	66			23
80	28	22	94	13	80	53	29	12	88	16	23	06	61	28	66	03			81
97	49	5?	00	62	71	67	73	77	66	81	93	18	63	07					

APPENDIX 15 - Continued

TABLE OF RANDOM PERMUTATIONS OF NUMBERS, 00-99

-Page Two-

39	16	27	90	44	92	82	15	24	84	48	12	71	42	80	38	95	49	76	43
85	16	13	90	86	68	99	43	91	01	35	59	82	03	26	07	34	65	22	08
82	18	83	75	77	57	46	83	66	35	54	93	75	19	07	43	04	10	89	41
21	91	41	14	95	23	25	92	33	85	80	14	35	74	35	27	44	01	05	51
30	31	73	90	13	38	90	99	53	13	31	02	47	33	79	41	61	66	07	00
84	98	51	77	40	98	32	19	6 6	69	03	89	44	08	22	68	34	93	64	09
95	29	24	32	30	97	65	39	43	46	95	12	27	85	56	53	45	94	23	81
75	35	57	98	37	04	83	23	64	60	94	21	39	Ó8	81	46	57	96	03	07
11	45	22	86	99	80	68	87	88	02	87	70	78	56	50	09	05	41	47	27
92	64	24	74	19	99	71	72	48	37	62	49	80	73	59	58	32	94		52
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88	37	82	24	55	61	91	89	20	28	59	64	51	78	92	20	59	42	48	72
77	38	87	28	03	95	25	56	15	54	47	27	50	88	81	78	42	86	30	86
97	79	84	21	82	32	56	67	11	68	49	88	06	11	97	93	58	95	83	15
67	75	78	51	48	50	29	28	62	24	45	95	93	09	85	54	42	42	89	53
78	91	55	80	13	16	32	00	77	05	10	33	31	01	76	77	55	62	39	22
36	55	20	15	14	30	58	86	81	24	34	17	35	16	32	74	25	40	38	50
03	56	97	38	61	79	60	18	93	31	98	61	99	37	69	01	04	27	94	87
63	63	84	19	29	85	55	01	29	69	17	57	42	54	62	71	80	33	17	41
96	67	55	09	67	09	39	85	96	27	86	76	49	31	88	33	45	71	65	94
60	12	04	70	40	97	23	46	60	28	02	59	62	08	10	44	93	04-	05	19
83	54	17	60	81	36	79	96	30	43	68	72	25	14	91	6 0	70	11	16	04
08	63	45	10	76	26	56	14	51	65	03	40	01	US	12	71		52	18 25	06 74
90	81	58	52	84	36		39						72	53	29	69	00	21	43
97	75	04	41	73	26	15		48		20		25	46	54	47	20	47	37	18
37	44	58	07	27	Q 5	06		12			07		52	57	63	21	36	74	96
										•		-		21	0,5	**	30	, 4	90
74	30	99	44	14	52	22	45	64	58	17	73	20	76	0 0	11	28	06	18	87
40	00	40	02	51	64	53	46	79	51	78	94	76	17	70	82	70	75	94	71
28	11	26	48	21	38	10	65	23	68	72	52	87	26	65	91	88	06	59	19
00	63	79	10	61	16	66	33	36	72	34	29	13	92	31	62	49	12	69	65
63	98	02	08	39	15	12	61	66	50	57	34	13	49	64	90	34	70	98	47