Serological Test Result of Animal and Bird Serum for Japanese Encephalitis by District Wise (up to 1980)

	8 0 ≥												3
	4 0				1								2
HI Titer	2.0				,	not creat							1.8
HI	10		Details n									1.9	
	<10				ć	J D				-		٠	104
ANIMAL SERUM	Total No.of Positive (%)	(38)	3 (23)	5 (14)	3 (27)	3 (21)	(88) 9	(0 2) 2	2 (25)	1 (11)	1 (14)	2 (33)	42 (28.8)
	Total No. Tested *	2 6	13	က	T F	1 4	7	.10	∞	თ	7	9	146
District		Kanchanpur	Kailali	Rupandehi	Kapilvastu	Nawalparasi	Morang	Sunsari	Saptari	Siraha	Bara	Parasa	TOTAL

* No. of animal sera by species: Pigs 96, Ducks 40, Poultry 6, Pigeons 4

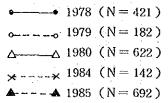
Percentage of Different Genus of Mosquitoes Collected:-

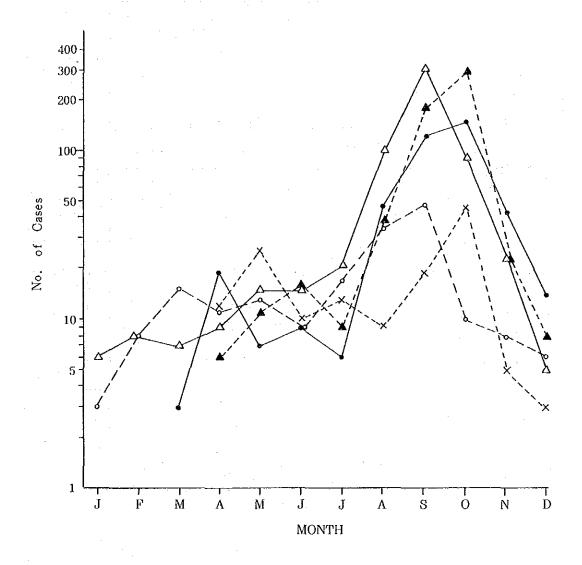
Genus	No. collected %				
a. Culex	1, 971	8 3.4 6			
b. Mansonia	7 0	3.0 0			
c. Aedes	5	0.21			
d. Armigeres	18	0.7 6			
e. Anopheles	298	1 2.6 1			
Total	2,362	100			

Percentage of Different Species of Culex Collected among the Genus Culex

Spe	ecies	No. collected	%
i .	Bitaeniorhynchus	. 6	0.30
ii.	Epidesmus	15	0.76
iii.	Fatigans	10	0.50
iv.	Fusoocephalus	102	5.1 7
v.	Gelidus	2 4	1.20
vi.	Tritaeniorhynchus	122	6.18
vii.	Vishnui complex	396	2 0.0 0
viii.	Whitmorei	6	0.3 0
	Unidentified culex	1289	6 5.3 9
	Total	1971	100

Seasonal Incidence of Japanese Encephalitis (1978-1980 & 1984-1985)





Cases of Meningitis by Hospitals, by Month of Onset, Kathmandu Valley 2039/1 to 2041/5

Nepal	Λ. D.			Hospitals			
Year/Month	Y / M	I D	Kanti	Bhaktapur	Patan	Bir	Total
2039/1	1982/5	4	1 7	6	9	1	3 7
2	. 6	2	11	0 -	8 -	5	2 6
3	7	2	7	2	3	1	1 5
4	. 8	. 1	7	0	2	- 1	1 1
5	9	1	6	1	3	. 1	1 2
6	1 0	2	7	2	1 .	1	1 3
7	1 1	2	1 1	1	0	0	1 4
8	1 2	2	8	1	4 .	3 .	1.8
9	1983/1	: · · 2	1 7	0	3	3	2 5
1 0	2	5	3 1	1 2	0	6	5 4
1.1	. 3	1 4	2 7	27	1 0	5	8 3
1 2	. 4	4 4	. 9	2 9	4	1	8 7
2040/1	. 5	134	18	8 7	 6	0	2 4 5
2	6	3 6	1 1	103	1 4	1	165
3	7	2 1	6	3 6	1 1	1	7 5
4	8	1 0	1 0	1 5	4	0	3 9
5	9	6	8	1 0	5	1	3 0
6	1 0	9	5	8	1	0	2 3
7	1 1	. 9	1 0	1 0	2	0	3 1
. 8	1 2	1 7	1.8	1 2	1 4	0	6 1
9	1984/1	4 4	3 0	2 1	1 1	1	107
1 0	2	5 8	4 6	2 0	2 9	0	153
1 1.	3	5 7	4 2	3 1	2 1	0	151
1 2	4	3 8	18	1 2	7	0 .	7 5
2041/1	5	3 2	. 9	8.	1 0	0	5 9
2	6	19	1.0	0	. 11	0	4 0
3	7	. 8	4	9	6	0	27
4	8	. 13	2	0	8	. 0	2 3
5	. 9	6	2	0	6	0	1 4
Total		5 9 8	407	4 6 3	2 1 3	3 2	1713

Cases of Meningitis by District of Residence by Date of Onset Kathmandu Valley 2039/1 to 2041/5

		D	ISTRICT	`		:
Year/Month	Kathmandu	Lalitpur	Bhaktapur	Outside	Unknown	Total
2039/1	3	6	2	0	2 6	3 7
2	8	1	1	2	14 .	2 6
3	5	0	0	0 4	1 0	1 5
4	6	0	0	2	3	1 1
5	2	1	0	1	- 8	1 2
6	7	1	0	0	5	13
7	6	1	0	0	7	1 4
8	9 -	0	1	0	8	18
9	1 2	2	2	4	5	2 5
1 0	1 5	3	3	4	2 9	5 4
11	17	4	9	4	4 9	8 3
12	3 3	3	0	6	4 5	8 7
2040/1	9 0	1 9	5	1 3	1 1 8	2 4 5
2	2 9	4	6	. 3	1 2 3	165
3 :	1 3	8	6	3	4 5	7 5
4	. 9	3	0	6	2 1	3 9
5	7	1	1	1	2 0	3 0
6	5	1 .	0	2	1 5	2 3
7	5	1	0	1	2 4	3 1
8	1 9	6	8	3	2 5	6 1
9	5 0	6	1 0	1 2	29	107
1 0	6 3	1.1	8	1 3	5 8	153
1 1	4 8	18	3 1	1 0	4 4	151
1 2	3 7	9	1 2	1 5	2	7 5
2041/1	3.0.	4	9	1 0	6	5 9
2	1 9	. 1 0	0	1 1	0	4 0
3	8	4	9	6	0	2 7
4	1 3	2	0	8	0	2 3
5	6	2	0	6	. 0	1 4
Total	574	1 3 1	1 2 3	1 4 6	7 3 9	1, 7 1 3

Cases of Meningitis by Age and Sex Kathmandu Valley 2039/1 to 2041/5

		SEX			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Age/(Years)	Male	Female	Unknown	Total	(%)
1	6 8	6 2	1	131	8.2
1 4	1 2 5	9.9	2	2 2 6	1 4.2
5- 9	1 7 3	129	3	3 0 5	1 9.2
10 - 14	1 6 2	1 1 6	1	279	1 7.5
15-19	1 4 1	9 0	0	2 3 1	1 4.5
20 - 24	7 6	6.8	1	1 4 5	9. 1
25-29	3 7	3 4	0 .	7.1	4.4
30 - 34	2 7	27	0	5 4	3.4
35 - 39	1 9	2 5	0	4 4	2.8
40-44	1 5	1 5	0	3 0	1.9
45+	3 7	3 8	0	7 5	4.7
Unknown	6	1 4	102	122	
Total	886	7 1 7	1 1 0	1713	100
% by sex	5 5.3	4 4.7	_	_	100

Field Activities in different Zone and Districts for Containment of the various types of communicable Diseases outbreak in following areas in the year 2042.

S.No.	Zone	Districts	Diseases Outbreak	No.of cases	Date	Remarks
1	Seti	Bajang	Measles		2042/1/1	:
2	Bagmati	Kabhre	Dysentry	-	2042/2/3	•
3.	Janakpur	Ramachap	" & Measles		2042/2/13	*
4	Koshi	Panchthar	Rabies	-	2042/2/15	•
5	Seti	Doti	Measles		2042/2/15	
6	Bheri	Jagarkot	11	-	2042/2/17	
: 7	Mechi	Talpejung	Gastroenterities	-	2042/2/21	:
8	Bagmati	Dhading	B. Dysentry		2042/2/28	
9	Mechi	Ilam	n	_	2042/2/31	
10	Lumbini	Palpa	· · · · · · · · · · · · · · · · · · ·	-	2042/2/31	
11	Sagarmatha	Kothang	n	, ===	2042/3/7	•
12	Seti	Bajang	Gastroenteritis & Measles		2042/3/11	2nd tim
13	Lumbini	Gulmi	B. Dysentry	-	2042/3/11	2nd time
14	Dhawalagri	Baglung	u .	-	2042/3/11	
15	Mechi	Ilam	u .	-	2042/3/11	2nd tim
16	Seti	Doti	G.E. & Malaria	_	2042/3/12	2nd time
17	Rapati	Dang	G.E. & Measles	_	2042/4/17	
18	Ħ	Peuthan	G.E. & B. Dysentry	, -	2042/4/26	
19	H	Rolpa	n n		2042/4/26	
20	11	Rukum	11 11		2042/4/26	
21	Karnali	Humla	11 11	-	2042/4/26	
22	Seti	Bajang & Bajura	ii	-	2042/4/26	3rd time
23	Mechi	Ilam)) II	-	2042/5/2	3rd time
24	Bagmati	Dhading	Measles & B. Dysentry		2042/5/2	2nd time
25	Karnali	Kalikot	G.E. & Dysentry	-	2042/5/4	
26	Janakpur	Ramachap	11 11		2042/5/4	2nd time
27	Sagarmatha	Khotang	Measles & Dysentry	<i>,</i>	2045/5/10	2nd time
28	Seti	Achham	11		2042/5/24	
29	Mechi	Jhapa	Gastroenteritis	-	2042/6/1	
30	Mechi	Panchther	Rabies	-	2042/10/14	
31	Bagmati	Dhading	Typhoid	-	2042/11/9	
32	Koshi	Biratnager	Meningitis		2042/11/9	
33	Narayani	Makawanpur	Measles	_	2042/1 /29	

Age and Sexwise Distribution of Snakebite Cases
in the Project Area During the Year 2041
(1984/85)

Ago group in year	М	Sex F	Cured cas	es Deaths	Total
0 - 4	5	3	7	1	8
5 – 9	15	- 6	20	1	21
10 - 14	21	15	33	3	36
15 - 19	38	1.0	47	1.	48
20 - 24	27	13	39	1	40
25 - 29	30	14	42	2	44
30 - 34	22	.17	36	3	39
35 - 39	17	1.1	28	2	30
40 - 44	9	7	16	-	16
45 - 49	10	3	13	. · · · · · · · · · · · · · · · · · · ·	13
50 & above	10	13	19	4	23
N. A.	2	3	5	-	5
Total	206	117	305	18	323

Kala-Azar in Nepal

Year	Cases	Deaths
1980 - 1981	- 51	2
1981 - 1982	133	1
1982 - 1983	. 266	35
1983 - 1984	60	4
1984 - 1985	94	. 5
Total	604	47 (8.0%)

Anti Rabies Vaccine Procured and Distributed for the Year 2042 (85/86)

Months	A.R.V.	Procured in ml.	A.R.V.	Distributed	in ml.
Baishakh		50,000		67,460	
Jestha		50,000		28,090	• .
Asad		50,000		24,870	
Shawan		50,000		78,120	
Bhadra		50,000		31,200	
Aswin		50,000		55,800	•
Kartic		50,000		38,780	
Mangseer		50,000		56,630	
Poush		50,000		26,680	
Magh		50,000		69,020	
Falgun		50,000		47,840	
Chaitra		50,000		69,120	
Total	6.	,00,000	5	,93,780	***

Major causes of child morbility, 1980-81 (based on treatment at 18 hospitals)

	Cases	Percent
Infection and parasites	1,270	28.9
Injury and poisoning	781	17.8
Respiratory diseases	752	17.8
Ill-defined symptoms	378	8.6
Nervous system diseases	306	6.9
Digestive disorders	266	6.0
Genito-urinary diseases	151	3.4
Subcutaneous tissues	130	2.9
Musculo-skelttal and connective tissues	72	1.6
Endocrine, nutritional and metabolic disorders	53	1.2
Others	224	5.1
Total	4,383	100.0

Major causes of death of children, 1974-75

	Infants (under 1 year)		Percent	**
	Pneumonia	. •	27.2	-
	Gastro-enteritis and diarrhoea		22.2	
	Avitaminosis and nutritional disord	ers	6.2	
	Meningitis		6.2	
	Acute respiratory infections		4.9	٠
	Bronchitis, emphysema and asthma		3.7	
	Children (1-4 years)			
	Gastro-enteritis and diarrhoea		22.6	
. •	Symptoms and other ill-defined		16.8	
	Pneumonia		11.2	
	Meningitis		8.0	
	Measles		4.8	
	Tetanus		3.2	

Prevalence rates of malnutrition

Age Group <u>Months</u>	Moderate/severe Normal 90 percent Weight/Age	Malnutrition 70 percent Weight/Age	Wasting 80 percent Weight/Age	Stunting 90 percent Height/Age
6-11	9.0 %	48.0 %	9.1 %	22.5 %
12-23	3.8	60.9	15.3	47.6
24-35	7.6	48.2	8.9	52.2
36-47	8.0	42.2	2.5	57.9
48-59	8.1	49.0	2.3	62.6
60-71	8.1	48.1	1.8	55.5
Total 6-	71 7.3	49.9	6.8	51.4

Source: National Nutrition Policy Planning Seminar, Pokhara, 1978

Goitre Survey Results in Nepal of Persons 13 Years Old and Above

		Stude in from	Students examined in Kathmandu from these areas		Examined In MCH Clinic	dur Hea	Examined during Village Health surveys	Total	l examined	ined
Sr	Sr.No.	No.	Goitre %	No.	Goitre %	No.	Goitre %	Total No. of Villages No.		Goitre %
i.	. Kathmandu Valley	487	143 (29%)	313	174 (56%)	328	242 (74%)	2 1,128	28 559	(%05) 6
2.	East Terai	163	42 (26%)	505	179 (55%)	749	553 (58%)	5 1,617		774 (48%)
က်	East and Central Inner Terai and Mid West Terai	77	18 (41%)	103	25 (24%)	511	168 (33%)		658 211	1 (32%)
4	. Eastern Mountains	113	43 (38%) 33* (26%)	N H	1.	160	51 (32%)	3	399 127	7 (32%)
S,	. Western Mountains.	215	100 (47%)	N E		882	793 (90%)	5 1,0	1,097 89	893 (81%)
6.	West Terai and West Inner Terai	20	7	й Я	1.1	346	329 (95%)	8	366 336	5 (92%)
	GRAND TOTAL:	1168	386 (33%)	921	378 (41%) 3,176		2,136 (67%)	19 5,2	5,2652,900 (55%)	0 (55%)
i										

* Students in Dharan from Eastern Mountains

N.E. Not Examined.

^{**} Please note that the last column is prepared to give a single figure "guesstimate" of different regions.

Survey on Hospital-Acquired Infections in Kathmandu 1983

No. of	hospital-acquired infections	s

<u>Hospital</u>	September	December	<u>Total</u>
Bir hospital	42/218 (19%)	35/223 (16%)	77/441 (18%)
Kanti hospital	18/84 (21%)	18/52 (35%)	36/136 (27%)
Maternity hosp.	16/112 (14%)	16/116 (14%)	32/228 (14%)
Infectious Dis. h.	1/92 (1%)	12/80 (15%)	13/172 (8%)
Total	77/506 (15%)	81/471 (17%)	158/977 (16.2%)

Seasonal Prevalence Figures (Non significant variations, t-test)

Wards

	· ·		
Maternity	11/84 (13%)	13/95 (14%)	24/179 (13%)
Gynaecology	5/28 (18%)	3/21 (14%)	8/49 (16%)
Paediatric	18/84 (21%)	18/52 (35%)	36/136 (27%)
Acute Medical	10/169 (6%)	18/161 (11%)	28/330 (8%)
Acute Surgery	14/58 (24%)	13/52 (25%)	27/110 (25%)
Orthopedic	9/30 (30%)	7/40 (18%)	16/70 (23%)
Intensive Care	8/11 (73%)	7/12 (58%)	15/23 (65%)
ENT	0/19 -	0/16 -	0/35 -
Eye clinic	2/23 (9%)	2/22 (9%)	4/45 (9%)
Total	77/506 (15%)	81/471 (17%)	158/977 (16.2%)

Days of Hospitalization

	< 8 days	≥ 8 days
H.A. infs patients (158)	31%	69%
NOT H.A. infs patients (819)	65%	35%

 $\chi^2 = 61.9$ p < .001 = highly significant difference

(HAI continued)

Reasons for admittance	H.A. Infs	patients (158)	non H.A. infe	s, patients (819)
Infectious or parasitic	99	%	31	y
Neoplasms		%	2	
Endocrine		. %	•	%
Blood diseases		%		%
Mental disorders	_	. 70		76
Neurological	9	%	2	%
Circulatory	5	%	5	%
Respiratory	8	%	5	%
Gastro-intestinal	10	1 %	9	%
Genito-urinary	12	% .	7	%
Pregnancy and delivery	15	. %	19	%
Skin diseases	1	%	1	%
Musculo-skeletal	11	%	8	%
Congenital abnormalities	3	%	1	%
Nonspecific symptoms	•		7	%
Trauma and injuries	2	. %	1	%

 $\underline{\underline{No}}$ statistical significant differences between the two categories of patients for each group of diseases according to t-test.

н	A. infs (158)	-	non H.A.	infs pats	t-test
Accidental break in skin on admission	14	%	6	%	(3.541, p≤.01)
Thermal injury on admission	. 2	%	1	%	(not sign.)
Urinary catheter in hospital	29	%	9	%	$(7.024, p \le .001)$
I. V. line in hospital	31	%	. 25	%	(not sign.)
All surgical wounds:	52	%	21	%	$(8.132, p \le .001)$
Clean wounds:	20	%	7	%	(5.908, p≤.001)
Clean contaminated wound:	5	%	2	%	$(3.592, p \le .01)$
Contaminated wounds:	5	%	2	%	(not sign.)
Inc. of abcess:	. 5	%	2	%	(not sign.)



Appendix III

Parasitic Diseases

- 1. Malaria
- 2. Leishmaniasis
- 3. Filariasis

Number of Indigenous, Imported and Relapsed Malaria Cases in Each Region (1985)

East 972 1,300 400 Central 4,027 1,109 939 West 3,167 1,398 772 Mid West 8,753 166 280 Total 16,919 3,970 2.391			PV	P. Vivax	. •		P, falciparum			
972 1,300 400 (32.4) (43.3) (13.9) 4,027 1,109 939 (60.1) (16.5) (14.0) 3,167 1,398 772 (54.1) (23.9) (13.2) (65.5) (1.2) (2.1) (65.5) (1.2) (2.1)	Ind	ligenous	Imported	Relapsed	Others	Indigeonus	Imported	Relapsed	Others	1
4,027 1,109 939 (60.1) (16.5) (14.0) 3,167 1,398 772 (54.1) (23.9) (13.2) 8,753 166 280 (65.5) (1.2) (2.1) 16,919 3,970 2,391		972	1,300		327	183	437	7.2	5.4	ŀ
4,027 1,109 939 (60.1) (16.5) (14.0) 3,167 1,398 772 (54.1) (23.9) (13.2) 8,753 166 280 (65.5) (1.2) (2.1) 16,919 3,970 2,391		(32.4)	4. 8. 8.		(10.9)	(244)	(58.6)	(6.7)	(7.2)	
(60.1) (16.5) (14.0) 3,167 1,398 772 (54.1) (23.9) (13.2) 8,753 166 280 (65.5) (1.2) (2.1) 16,919 3,970 2,391		4,027	0	ი 8 6	627	7.4	254	φ, φ	19	1.7
3,167 1,398 772 (54.1) (23.9) (13.2) 8,753 166 280 (65.5) (1.2) (2.1) 16,919 3,970 2,391		(60.1)	(16.5)	(14.0)	(9.4)	(166)	(57.1)	(22.0)	(4.3)	
(54.1) (23.9) (13.2) 8,753 166 280 (65.5) (1.2) (2.1) 16,919 3,970 2,391		3,167	0	· ·	51 22	161	204	73	7.8	
8,753 166 280 (65.5) (1.2) (2.1) 16,919 3,970 2,391		(.54.1)	(23.9)	(13.2)	(8.8)	(31.2)	(39.5)	(14.1)	(151)	
(65.5) (1.2) (2.1) 16,919 3,970 2,391		IO.	ပ	; ∞	4,160	3,705	73 23	361	1,293	
16,919 3,970 2,391		6 5.	(1.2)		(31.1)	(68.8)	(0.5)	(6.7)	(24.0)	
	yan g	6,91	3,970	2,391	5,626	4,123	920	604	1,434	
(58.5) (13.7) (8.3)		(585)	(13.7)		(19.5)	(582)	(130)	(85)	(203)	

Relapses and Recrudescences Cases on Malaria Patients Received Radical Treatment (1981-1983)

P. vivax cases radically treated:

		Indigenous		Imp	orted'A'	
Year	No	Na	96	No	Na	%
	treated	relapsed		treated	relapsed	
1981	7,100	4 2 3	5.9 6	2,4 9 2	2 4 4	9.7 9
1982	7,442	5 1 3	6.8 9	3,1 8 3	3 0 4	9.5 5
1983	6,0 6 8	274	4.5 2	3,668	294	8.0 2

P. falciparum cases radically treated:

			Indigenous		Imp	orted'A'	
Year		No treated	No. rec-	%	Na treated	№ rec- rudesced	%
1981		4.4	5	1 1.3 6	465	2 3	4.9 5
1982	. ,	1 3 9	1 0	7.1 9	674	3 5	5.19
1893		298	1 3	4.39	1,101	2 2	2.00

The Optimum Needs of Insecticide for Seventh Five Year Plan (1985/86-1989/90)

0 0
680

Source : NMEO

Information on the Radical Treatment for Malaria in NMEO District (1981-1983)

	Year	Total cases	No of cases	S.	No of cases treated	ted
		detected	radically	within	within	after
			reared	7 days	8-14 days	14 days
•	1981	11,865	1 0,7 5 8	5,129	3,513	2,116
	1982	14,046	12,550	5,392	5,010	2,148
	1983	13,847	1 2,2 5 1	5,619	4,259	2,373

* Provan vectors of malaria Source: NMEO

Species and Number of Anopheles Collected from Survey Areas (East Region, 1981)

					Species		
Survey area	Month	Method of Collection	A. mac.	A.sub	A. vag	A. ann.	A. bar.
Panchthar District	July	Indoor catch	31	14	1,167		· ·
Limbupin and		Outdoor casch	623	8	375	7.1	
Nowar Goun Village	-	Night biting (Human)	32		88	. 16	
(Low receptivity)		Night biting (Animal)	24	:	68	28	
——————————————————————————————————————		Indoor catch			4	26	
Biratnagar		Outdoor catch			ហ		. 6 3
Urban area		Night biting (Human)		÷	16	m	7
(Low receptivity)			7.3				
Sundari District	0ct.	Indoor catch	. 	 [©] 	117	 889 	
Mainatadi		Night biting (Human)				15	## ##
(Moderate receptivity)	\sim	night biting (Animal)				o.	21

(出典; Annual Evaluation Report, 1982)

Species and Number of Anopheles Collected from Survey Areas (Central Region, 1981)

1 0 37 0 12 Intra 2 0 0 0 0 0 3xtra 9 0 0 46 950 18 21 0 Intra 0 20 0 3 4 5xtra 0 20 0 0 3 0 3xtra 1 4 0 23 418 0 6 2 2 5 1 0	Method of Collection
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Indoor catch
2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Outdoor catch
9 0 0 4 2 0 46 950 18 21 0 20 0 3 0 20 0 0 3 3 0 14 4 4 4 4 4 83 1 4 0 23 418 6 2 2 2 5 1	Night biting-Intra
0 46 950 18 21 0 0 87 0 3 0 20 0 0 3 3 0 14 4 4 1 4 0 23 418 83 1 4 0 11 6 2 2 2 5 1	Night biting-Extra
0 0 87 0 3 0 20 0 0 3 3 0 14 4 4 4 1 4 0 23 418 83 1 4 0 11 6 2 2 2 5 1	Indoor catch
3 0 14 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	Outdoor catch
3 0 14 4 4 4 4 18 1 4 0 23 418 83 1 4 0 11 6 2 2 2 5 1	Night biting-Intra
4 0 23 418 1 4 0 11 2 2 5 1	Night biting-Extra
2 2 2 5 1	Indoor catch
2 2 5 1	Outdoor catch
	Night biting

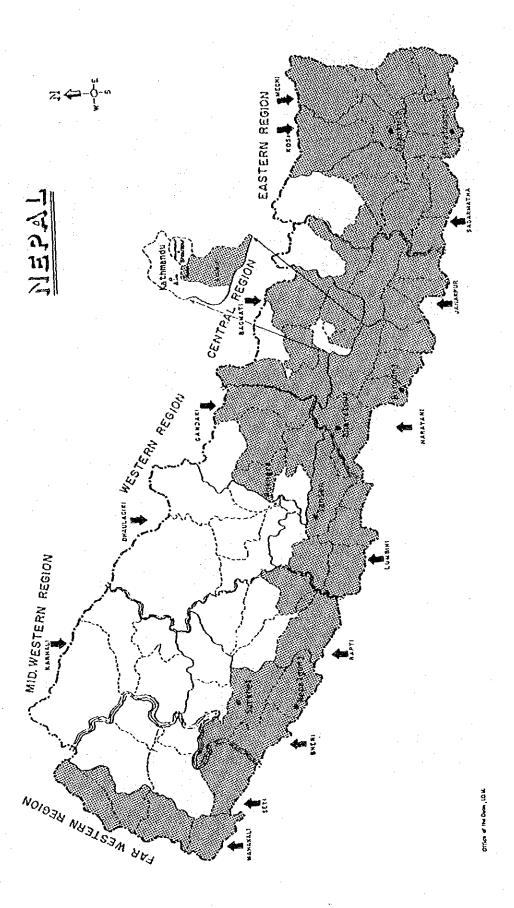
Species and Numbers of Anopheles Collected from Survey Areas (West Region, 1981)

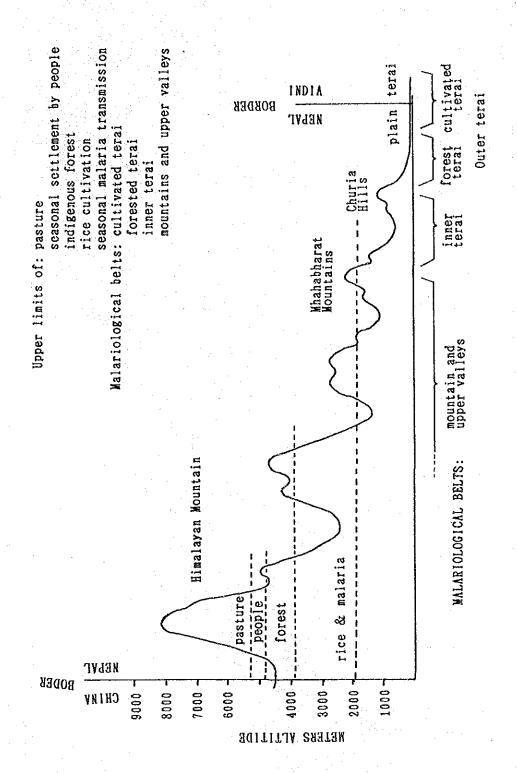
				.	:	1
Other	0 0	000	0 0 0	33	0	0
A. sin.	0 80	000	0 0 0	371	0	0
A. cul.	0 0	0 18	o	128	ιΩ H	က
A.ann.	431	ය අ 1 ර	3 00 3	334	6 8	0
A. vag.	0 0	0 6	0 00 0	100	83	ις
A. sub.	137	19	18 163 10	00	106	6
Method of catch	Indoor catch Outdoor catch	Night biting Indoor catch	Night biting Indoor catch Night biting	Indoor catch Night biting	Indoor catch	Night biting
Month	Jan.	July	Oct.	Nov.	Aug.	
Survey area	Rupandehi (Low Terai)			Nawalparasi (Low Terai)	Tanahun	(Low hill)
Surv	Rupa (Lov					Nawa (L ον —Tana

Species and Numbers of Anopheles Collected from Survey Areas (Mid-Far West Region, 1981)

П deh	Month Method of catch	A.ann.	A. cul.	A. vag.	A. sub.	A. bar.	Other
•	Indoor catch	က	0	0	0	2	0
	Night biting	10	0	0	. 0	28	21
May	Indoor catch	0	თ	40	211	0	
	Night biting	0	0	0	m	0	0
Aug.	Indoor catch	0	ത	0	281	0	
	Night biting	13	13	0	2	0	4
Nov.	Indoor catch	73	104	19	20	0	4
 	Indoor catch	4	81				
	Indoor catch	寸	81	0	0	ဖ	0
	Outdoor catch	4.3	104	0 ,	0 1	21	134
	Night catch	13	38	. 0	0	7	13

Source : Annual Evalvation Report, 1982





Leishmaniasis Cases Reported between 1980/81-1984/85 in Nepal

Year	Cases cured	Cases death	Total
1980~1981	49	2	5 1
1981~1982	1 3 2	1	133
1982~1983	231	3 5	266
1983~1984	5 6	4	6 0
1984~1985	8 9	5 *	9 4
Total	5 5 7	47	604

Leishmaniasis Cases from Different Hospital of Nepal (1984/85)

Ser. No	Hospitals	Cases cured	Cases dead	Total
1.	Rangeli Hospital	3	0	3
2.	Koshi Zonal Hospital	8	0	8
3.	Ilam Hospital	4	1	5
4.	Jhapa Mechi Zonal Hospital	3	0	3
5.	Inarwa Hospital	1	. 0	1
6.	Sagarmatha Zonal Hospital	16	· 1 .	1 7
7.	Siraha Hospital	20	2	22
8.	Jaleswar Hospital	2	0	2
9,	Janakpur Zonal Hospital	1 4	1	15
1 0.	Bir Hospital	2	0	2
11.	Bheri Zonal Hospital	2	0	2
12.	Lumbini Zonal Hospital	2	0	2
13.	Kailali Hospital	10	0	10
14.	Kanchanpur Hospital	.2	0	2
	Total	8 9	5	9 4

Source: D.D. Joshi et al "Status of Leishmaniasis in Nepal, 1986"

Recorded Cases of Leishmaniasis among Persons by Age and Sex

Age	Janakı	Janakpur Hospita		Un	Unsprayed area			Total	
	M	Ţ	Total	M	ĹΣŧ	Total	M	따	Total
° ~ 0	, rv	0	ιc	+=4	2	က	9	63	∞ .
10~19	2	0	2	0	0		L -	0	7
20~29	: :	&	10		0	. 2		10	12
30~39	0	က္	്ന	,-4		2 3	 1	4	ω
40~49	, Fri	0	,1 	H		61	83		က်
+	0	Ö	0	0	0	, ,	O	0	0
Total	15	ŢŢ	26	က	9	6	18	17	35
, & (&	(57.6)	(424)		(333)	(299)	÷	(51.4)	(48.6)	

Source: Joshi et al (1986)

The Results of ELISA Test for Leishmania Antibodies

Age group	NO DN	No of aera tested		Na of	of positives		Percent of
	M	(Li	Total	M	(14)	Total	positive
4	. 2	1	. m	+ -1	0	, - 4	3 3.3
დ ~	, m	67	່ ທ	₹~4		8	4 0.0
10~14	14	Ø	2.2	14	63	1.5	7.2.7
15~19	œ	2	1,0	က	red .	4	4 0.0
20~29	1.2	ω	20	9	ທ	T I	ອ ອີ
6 8~0	;	0	, .	0	0	0	
40~49	87		ო		0	Ħ	რ რ ო
50~59	. ≒	0	H		0	0	
+	0	0	0	0	0	0	
Total	43	22	65	26	6	35	5 2.3

Source: Joshi et al (1986)

The Results of ELISA Test for Leishmaniasis in Different Districts (1984-1985)

Se	r. No.	District	Sera tested	Sera positive	% positive
	1.	Dhanusha	3 1	8	2 5.8
	2.	Kailali	6 9	3 4	4 9.3
	3.	Kanchanpur	6 0	1 9	3 1.7
	4.	Rupandehi	3 1	5	1 6.1
		Total	191	6 6	3 4.6

Seasonal Variation of Species and Densities of Sandflies in Dhanusha District

Month N	Man hours	Per man h	our density	of female (Na collecte	d)	
	spend	Total	papatasi	argent ipes	sergenti	??	UI
January	16	0.4 (6)	0.1(2)	0	0.2 (3)	(0)	(1)
February	8	0.3 (2)	0.1 (1)	0	0	(0)	(1)
April	4	24.3 (97)	18.0 (72)	25(10)	1.3 (5)	(6)	(4)
May	8	18,5 (147)	12.0 (98)	0.6 (5)	0.9 (7)	(1)	(36)
June	4	22.8 (91)	8.5 (34)	0.8 (3)	0	(3)	(51)
July	4	19.0 (76)	9.0 (36)	0.8 (3)	0.3 (1)	(18)	(18)
August	4	15.3 (61)	6.0 (24)	0	0	(2)	(35)
Septembe	er 4	30.5 (122)	103(41)	0.5 (2)	0.8 (3)	(20)	(56)
October	4	9.5 (38)	3.0 (12)	0.3 (1)	0 .	(15)	(10)
November	4	120(48)	9.0 (36)	0	0.5 (2)	(9)	(1)
December	6	9.3 (56)	4.2(25)	0.2 (1)	0	(15)	(15)

?? : Requiring reconfirmation

UI : Unidentified

Source: Joshi et al (1986

Number of Population, Crude Disease Rate and Microfilaria Rate by Area Surveyed

Survey area	Population	No Exam. (%)	No. with sign of	No. with
×			elefantiasis	m icrofilaria
Barabishe	803	494(61.8)	51(10.3)	55(11.1)
Dolalghat	257	235(94.0)	42 (17.8)	13(5.5)
Banepa	5,013	757(15.0)	51 (6.6)	76(10.0)
Gokarna	1,535	633 (42.0)	80(126)	112(17.7)
Patan	8,050	829(10.3)	51 (6.2)	76(9.2)
Palung	2,000	311(17.0)	12(3.9)	10(3.2)
Bhaise	409	249 (62.3)	3 (1.2)	2(0.8)
Hetauda	2,803	853(30.5)	52 (6.1)	68(8.0)
Birganj	16,806	941(5.6)	55(5.0)	67(7.1)
Total		5, 3 0 2	397 (7.5)	479(9.0)

Source: R.K. Jung, 1973

The Positive Microfilaria Rate of Blood Film Examination by Area Surveyed (1986)

Survey area	No of blood films examined	Na positives	Percent positives
Dhading	2 9 8	1.9	6.4
Nuwakot	171	φ	S S
Kaski	183	0 0	10.9
Total	652	4 5	6.9

Source: NMEO

Crude Disease Rate by Age-Group, Sex and Site Affected

Male 0 - 5 290 2 (07) 6-10 414 2 (07) 11-20 931 29 (31) 21-30 515 19 (37) 21-30 515 19 (37) 40-50 198 17 (86) 2 (105) 50 + 216 19 (88) 1 (05) subtotal 2,924 106 (36) 5 (02) Female 0-5 272 1 (03) (105) Female 0-6 366 11 (30) 1 (02) 11-20 644 60 (93) 2 (03) 21-30 405 34 (84) 3 (07) 41-50 169 29 (171) 2 (12) 50 + 209 28 (171) 6 (29) 50 +	Sex	Age-group	No surveyed	Lower limb	Upper limb	l imb	Ger	Genital
0-5 290 2 (0.7) — 6-10 414 2 (0.5) — 11-20 931 29 (3.1) — 21-30 515 19 (3.7) — 31-40 360 18 (5.0) 2 40-50 198 17 (8.6) 2 50 + 216 19 (8.8) 1 subtotal 2,924 106 (3.6) 5 6-10 366 11 (3.0) 1 11-20 644 60 (9.3) 2 21-30 405 34 (8.4) 3 31-40 313 24 (8.0) 2 50 + 209 29 (17.1) 2 50 + 209 29 (17.1) 2 50 + 3378 187 (7.9) 16 chand total 5,302 293 (5.5) 21					Number	(%)	Number	(%)
6-10 414 2 (0.5) — 11-20 931 29 (3.1) — 21-30 515 19 (3.7) — 40-50 198 17 (86) 2 50 + 216 19 (88) 1 subtotal 2,924 106 (3.6) 5 6-10 366 11 (3.0) 1 11-20 644 60 (9.3) 2 21-30 405 313 24 (8.0) 2 41-50 169 29 (17.1) 2 50 + 209 28 (13.4) 6 Grand total 5,302 293 (55) 21	Male		က	<u></u>			8	(0.7)
11-20 931 29 (31) — 21-30 515 19 (37) — 31-40 360 18 (50) 2 40-50 198 17 (86) 2 50 + 216 19 (88) 1 .0-5 272 1 (0.3) — 6-10 366 11 (30) 1 11-20 644 60 (93) 2 21-30 405 34 (84) 3 31-40 313 24 (80) 2 50 + 209 28 (17.1) 2 50 + 209 28 (13.4) 6 subtotal 2,378 187 (7.9) 116			\rightarrow	U	1		1	(0.2)
21-30 515 19 (3.7) — 31-40 360 18 (50) 2 40-50 198 17 (86) 2 50 + 216 19 (88) 1 subtotal 2,924 106 (3.6) 5 6-10 366 11 (0.3) — 6-10 644 60 (9.3) 2 21-30 405 34 (84) 3 31-40 313 24 (80) 2 41-50 169 29 (17.1) 2 50 + 209 28 (13.4) 6 subtotal 2.378 187 (7.9) 16 Grand total 5.302 293 (5.5) 21		11-20	$^{\circ}$) 6	i		1.9	(2.0)
31-40 360 198 17 (8.6) 2 50 + 216 19 (8.8) 1 subtotal 2,924 106 (3.6) 5 6-10 366 111 (3.0) 11-20 644 60 (9.3) 21-30 405 313 24 (8.0) 2 31-40 313 24 (8.0) 2 50 + 209 29 (17.1) 2 50 + 209 209 2134) 6 subtotal 2,378 187 (7.9) 16 Grand total 5,302 293 (5.5) 21		13	_) 6			38	(7.4)
40-50 198 17 (86) 2 50 + 216 19 (88) 1 subtotal 2,924 106 (36) 5 6-10 366 11 (30) - 11-20 644 60 (93) 2 21-30 405 34 (84) 3 31-40 313 24 (80) 2 41-50 169 29 (171) 2 50 + 209 28 (134) 6 subtotal 2,378 187 (79) 16 Grand total 5,302 293 (55) 21		31-40	9	\cup	8	(0.5)	3 2	(26)
50 + 216 19 (88) 1 subtotal 2,924 106 (36) 5 (0-5 272 1 (03) - (6-10 366 11 (30) 1 11-20 644 60 (93) 2 21-30 405 34 (84) 3 31-40 313 24 (80) 2 41-50 169 29 (171) 2 50 + 209 28 (134) 6 subtotal 2,378 187 (79) 16 Grand total 5,302 293 (55) 21		40-50	O	÷	8	(1.0)	18	(6.1)
subtotal 2,924 106 (3.6) 5 6-10 366 11 (0.3) — 11-20 644 60 (9.3) 2 21-30 405 34 (84) 3 31-40 313 24 (80) 2 41-50 169 29 (17.1) 2 50 ++ 209 28 (17.1) 6 subtotal 2.378 187 (7.9) 16 Grand total 5.302 293 (55) 21			, 	\smile	gard	(0.5)	<u>ព</u>	(6.9)
0 - 5 272 1 (0.3) 6-10 366 11 (3.0) 1 11-20 644 60 (9.3) 2 21-30 405 34 (84) 3 31-40 313 24 (80) 2 41-50 169 29 (17.1) 2 50 + 209 28 (13.4) 6 subtotal 2.378 187 (7.9) 16 Grand total 5,302 293 (55) 21		subtotal	2,924	\smile	ເດ	(0.5)	128	(4.4)
366 11 (3.0) 1 644 60 (9.3) 2 405 34 (8.4) 3 313 24 (8.0) 2 169 29 (17.1) 2 , 209 28 (13.4) 6 5,302 293 (5.5) 21	Female		r-	U	1			-
644 60 (9.3) 2 405 34 (8.4) 3 313 24 (8.0) 2 169 29 (17.1) 2 209 28 (13.4) 6 2,378 187 (7.9) 16 5,302 293 (5.5) 21		6-10	366	11 (3.0)	hong	(0.2)		
405 34 (84) 3 313 24 (80) 2 169 29 (17.1) 2 209 28 (13.4) 6 2,378 187 (7.9) 16 5,302 293 (5.5) 21		11-20	644	$\overline{}$	8	(0.3)		
313 24 (8.0) 2 169 29 (17.1) 2 2.09 28 (13.4) 6 2.378 187 (7.9) 16 5,302 293 (5.5) 21		21-30	0	, *	е	(0.7)		
169 29 (17.1) 2 209 28 (13.4) 6 2,378 187 (7.9) 16 5,302 293 (5.5) 21		31-40		4 (87	(0.7)		
2.378 187 (7.9) 6 5,302 293 (5.5) 21		41-50	9	6	2	(1.2)		
2,378 187 (7.9) 16 5,302 293 (5.5) 21			508	00	9	(5.9)		
5,302 293 (.5.5.) 21		subtotal	2,378	<u> </u>	16	(0.7)		
		Grand total	5,302	3 (2.1	(0.4)		

Microfilaria Rate by Age Group and Sex

Number Mf. rate Number Number Mf. 1 7 0 6 2.3 549 115 0 5 283 9 3.1 266 6 2.3 549 15 0 414 33 7.7 366 6 2.3 780 67 0 931 7.7 366 34 9.1 920 85 10 515 48 9.1 405 37 9.1 920 85 10 360 51 14.2 313 33 10.5 673 84 1 2.92 134 209 12 7.1 367 39 4 2.02 9.2 2.378 2.1 84 87 479			Males			Females			Total	
-1 7 0 6 0 13 0 -5 283 9 3.1 266 6 2.3 549 15 -10 414 33 7.7 366 34 9.3 780 67 -20 931 71 7.5 644 70 10.9 1,575 141 -30 515 48 9.1 405 37 9.1 920 85 -40 360 51 14.2 313 33 10.5 673 84 1 -50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 2378 211 89 5302 479	Age group (years)	Number Examined	Number with Mf.		Number	Number with Mf.	Mf. rate	Number examined	Number with Mf.	Mf. rate
-5 283 9 3.1 266 6 2.3 549 15 -10 414 33 7.7 366 34 9.3 780 67 -20 931 71 7.5 644 70 10.9 1,575 141 -30 515 48 9.1 405 37 9.1 920 85 -40 360 51 14.2 313 33 10.5 673 84 1 -50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 134 209 19 9.1 425 48 1 tal 2.924 268 9.2 2.378 211 89 5302 479	0 – 1	7	0		9	0		11.33	0	-
-10 414 33 7.7 366 34 9.3 780 67 -20 931 71 7.5 644 70 10.9 1,575 141 -30 515 48 9.1 405 37 9.1 920 85 -40 360 51 14.2 313 33 10.5 673 84 1 -50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 13.4 209 19 9.1 425 48 1 tal 2.924 268 9.2 2.378 211 89 5,302 479		283	თ	3.1	266	့ဖ	2.3	5 4 9	r L	2.7
-20 931 71 7.5 644 70 10.9 1,575 141 -30 515 48 9.1 405 37 9.1 920 85 -40 360 51 14.2 313 33 10.5 673 84 1 -50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 134 209 19 9.1 425 48 1 tal 2,924 268 9.2 2,378 211 89 5,302 479	6-10	414	ဗ	7.7	366	3 4	6.6	780	29	8.6
-30 515 48 9.1 405 37 9.1 920 85 -40 360 51 14.2 313 33 10.5 673 84 1 -50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 134 209 19 9.1 425 48 1 tai 2,924 268 9.2 2,378 211 8.9 5,302 479	11-20	1 E 6	7.1	7.5	6.44	7.0	1 0.9	1,575	141	9.0
-40 360 51 14.2 313 33 10.5 673 84 1 -50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 13.4 209 19 9.1 425 48 1 tai 2,924 268 9.2 2,378 211 8.9 5,302 479	21-30		4 8	9.1	4 0 5	3.7	9.1	920	დ დ	9.2
-50 198 27 14.0 169 12 7.1 367 39 1 + 216 29 13.4 209 19 9.1 425 48 1 tai 2,924 268 9.2 2,378 211 8.9 5,302 479	31-40	360	5 1	1 4.2	, 1 -	8 8	1 0.5	673	80 44	1 2.5
+ 216 29 13.4 209 19 9.1 425 48 1 tal 2,924 268 9.2 2,378 211 8.9 5,302 479	41-50	198	27	1 4.0	169		7.1	367	თ · ო	10.6
2,924 268 9.2 2,378 211 8.9 5,302 479		216	6 2	1 3.4	508	19	9.1	4 2 5	4 80	11.3
	Total	2,924	268	9.2	2,378	211	8.9	5,302	479	0.6

Source: R.K. Jung, 1973

Microfilaria Rate by Age Group and Sex

ŀ		,	ı					**					1.	ı
		Mf. rate			4.3	1 0.6	7.2	e. 6	8.0	+1 + ,	14.3	2 0.0	6.9	***************************************
	Total	Number with Mf.	0	0	σ 1	ic H	t ~	∞	4	0		H .	4 5	
	·	ာ	- 1	3.1	210	7	2.6	8 8	ዲተ ቦሪ	2.1	2	w	652	
		Mf. rate Number			5.0	9.5	2.7	1:6	4.3				5.9	
	Females	Number with Mf.	0	0	ý	မ	'≓ .	4	"	0	0	0 ,	8 1	
		Number	2	හ #1	112	ဗ	3.7	4 4	23	60	8 3		305	
		Mf. rate			3.1	1 1.5	1 0.0	9.5	13.6		2 0.0	25.0	7.8	
	Males	Number with Mf	0	0	<i>හ</i>	თ	9	4	м	0	, H	. 	2.7	
		Number Number	7	18	& 6	7.8	09	. 42	55	در ف	ഗ	4	347	
	• •	Age group Number	(years)	1 - 4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	+ +	Total	

Mosquito Infection Rate by Area Surveyed (1972)

	All Culiciras	liciras			confirm thems		
Survey area	Number	Man-hour density	Number collected	Man-hour density	Number dissected	Number positive	Infection rate(%)
Barabise	1,011	3 9.0	975	35.6	326	22	6.7
Dolaighat	2	0.03	ເດ	0.2 5	ស	0	0
Banepa	1,164	3 0.0	1,069	3 0.3	508	8 4	9.4
Gokarna	379	31.5	421	31.8	408	3.7	9.1
Patan	649	4 9.5	351	28.1	8.7	м	3.4
Palung	279	1.2.1	2 3 9	1 0.3	227	0	•
Bhaise	16	1.0	~	0.1			. О
Hetauda	200	6.0	152	4.6	143	20	14.0
Birganj	4 2 2	1 5.5	6 8 8	14.4	68 88 87	33	.00 .00
Total	4,127		3,602		2,095	163	7.8

Appendix IV

Miscellaneous Informations

Distribution of Hospitals and Beds by Zone

Zone	Population	Hospital No.	Bed No.	Population / Bed
EDR	3,7 0 8,9 2 3	2 2	5 2 4	7,078
Mechi	9 3 2,6 2 5	4	9 5	9,8 1 7
Koshi	1,4 2 3,6 2 4	1 1	289	4,926
Sagarmatha	1,3 5 2,6 7 4	7	1 4 0	9,6 6 2
C D R	4,9 0 9,3 5 7	/ 31	2, 1 8 6	2,246
J anakpur	1,6 8 8,1 1 5	5	130	1 2,9 8 6
Bagmati	1,982,439	2 0	1, 8 5 6	9 6 0
Narayani	1,4 3 8,8 0 3	6	200	7,193
WDR	3,1 2 8,8 5 9	1 7	6 1 6	5,079
Gandaki	1,1 0 7,5 6 9	6	3 3 0	3,3 5 6
Lumbini	1,5 6 7,8 2 8	9	256	6,1 2 4
Dhaulagiri	4 5 3,4 6 2	2	3 0	1 5,1 1 5
MWDR	1,9 5 5,6 1 1	7	1 3 1	1 4,9 2 8
Rapti	8 7 0,7 2 3	1	1 5	5 8,4 4 8
Karnali	2 4 2,4 8 6	1	1 5	1 6,1 6 0
Bheri	8 3 6,4 0 2	4	9 5	8,281
FWDR	1,3 2 0,0 8 9	1 2	3 1 0	4,258
Seti	7 9 4,9 1 1	7	2 2 5	3,5 3 2
Mahakali	5 2 5,1 7 8	5	8 5	6,1 7 9
Total	1 5,0 2 2,8 3 9	8 9	3, 7 6 7	3,988

Estimates of infant mortality rate

	Data Source	Male	Female	Total	_
1973	National Fertility Survey	175.3	167.6	171.4	-
1978	Census 1981	146.9	141.5	144.2	

Source: Central Bureau of Statistics, 1985

Infant mortality rate (1978)

Region	Male	Female	Total
Mountain	189.50	182.92	186.21
Hi11	166.44	160.51	163.47
Tarai	125.42	119.22	122.32
A11	147	142	144

Source: Central Bureau of Statistics

Crude Birth Rate, Crude Death Rate and Infant Mortality in Asian Countries

		1000									
		1970	1975	1976	1977	1978	1979	1980	1981	1982	1983 3)
D111111111111-	В 1)		,	3 9.7					3 5.2	3 5.0
Bangladesh	D				1 6.5					1 4.2	1 2.3
	В	4 3.8	4 0.2			•		3 6.2		3 3.7	3 3.6
I ndones i a	D	1 8.7	1 6.7	1 4.3	1 3.9	1 3.5	1 3.1	1 2.5	1 2 2		1 1.7
	В	1 8.8	17.1	1 6.3	1 5.5	1 5.0	1 4.3	1 3.7	1 3.1	1 2.8	1 2.7
Japan	D	6.9	6.3	6.3	6.1	6.1	6.0	6.2	6.2	6.0	6.2
3.7 I	В								4 2.0	•	4 1.6
Nepal	D								1 9.0		1 6.6 *
Dhilinning	В	2 6.4	2 8.3	3 0.3	3 0.3	3 0.5	3 0.3	3 0.3	2 9.5	2 9.1	2 8.9
Philippines	D	6.4	6.4	6.9	7.0	6.5	6.6	6.2	6.1	6.1	6.3
Sri Lanka	В	2 9.4	27.7	2 7.8	2 7.9	2 8.4	2 8.9	2 8.4	2 8.0	2 6.8	2 6.2
of i Dalika	D	7.5	8.5	7.8	7.4	6.6	6.5	6.2	6.0	6.1	6.1
Thailand	В	3 1.5	2 7.1	2 7.2	2 4.6	2 3.1	2 3.3	2 3.2	2 2.4	2 2.2	2 1.3
1 ((8118))U	D	6.2	5.6	5.5	5.4	5.4	5.2	5.3	5.0	5.1	5.1
(Infant M	ortalit	y) ²						٠			
Bangladesh		1 3 2.9	153	1 1 0.3	114.2			9 7.4	1 0 9.5	1 2 1.9	128
Indonesia	137	(mean o 1961~1	f 1971)	110				9 0			93
J apan		1 0.8	1 0.0	9.3	8.9	8.4	7.9	7.5	7.1	6.6	6.2
N epa l									1 5 2.0		1 1 1.5 %
Philippines		5 8.7	5 3.3	5 6.9	5 6.8	5 3.1	5 0.2	4 5.1	441	4 1.8	4 2.7
Sri Lanka	(140)	4 7.5 in 1945)	4 5.1	4 3.7	4 2.4	3 7.1	3 7.7	3 4.4			3 3.4
Thailand	:	2 6.1	2 6.0	2 5.5	1 6.2	1 6.6	1 4.2	1 3.3	1 2.5	124	1 2.4

¹⁾ B: Crude birth rate per 1,000 population; D: Crude death rate per 1,000 population

²⁾ Infant Mortality per 1,000 live birth

^{3) % 1984}

Medical Facilities and Health Manpower

		**	. "	elik i sabi					. A . Th.	
Theiland (1983)	808		78,438	631	15.8	7,902	6,259	39,662	1,870	5,435
Sri Lanka (1983)	821		4 4,0 1 6	351	28.5	1,844	8,3 7.5	50.471	461	195
Philippines (1984)	1,739		85,008	625	1 6.0	49,602	1,072	2,619	362	253
Paraguay (1984)	135		1,556	2,070	3.76	2,000	1,600	14,500	((1	T 5,4 U O
Nepal (1985)	68	HP814 HC 20	3,767	4,413	2.2.7	710	23,416		22,406	12,333
Malaysia (1984)	86		32,669	622	1 6.1	4,474	3,220	18,548	774	5 8 5
Indonesia (1984)	1,306	(HC)4,753	104,966	1,522	6.5	17,760	860'6	60,653	6,255	3,715
Bangladesh (1982)	602		23,907	3,959	2.5	11,513	8,221	e de la companya de l	0 0 1 0	7 67 7
	Med Fac(1)	Med Fac (2)	No. of Beds	Population/ Bed	Bed/10,000	No. of Doctor.	Population/ Doctor	Population/ Dentist	Population/ Nurse	Population/ Midw

1) Med Fac : Medical Facility, (1) with bed (2) without bed 2) Midw : Midwife

Source: Observation Reports on Infectious Diseases, JICA (1981-1986)

Supply of Drinking Water and Treatment of Nightsoil¹⁾

	P ipe Water	Toilet Facilities 4)		
		Flush Water	Pit or Moulded Bucket	
Bangladesh	27.2% of Target	About 4 %		
I ndonesia	7.3 (Urban 244)	1 1.0 (U rban 4 3.0)	25.3 (Rural 26.6)	
Nepal	Urban 70 Rural 24	Urban Rural	7 3 →	
Paraguay	1 5.3			
Philippines	5 2 9	Urban 72 Rural 47	Urban 13 Rural 28	
Sri Lanka	17 (Well 52) ²⁾	4.8	6 2.0	
T hailand	1 8.9	4.2	5 0.3	

SEAMIC Statistics 1985, and Observation Reports, on Infectious Diseases, JICA (1984, 1986) Source:

Note: 1) Figures show percentage of households equipped with

the facilities

2) Protected well

