

Administration Report

1988

Sexually Transmitted Diseases Control Programme



SRI-LANKA

ADMINISTRATION REPORT OF
SEXUALLY TRANSMITTED
DISEASES/AIDS CONTROL
PROGRAMME
SRI LANKA

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Director

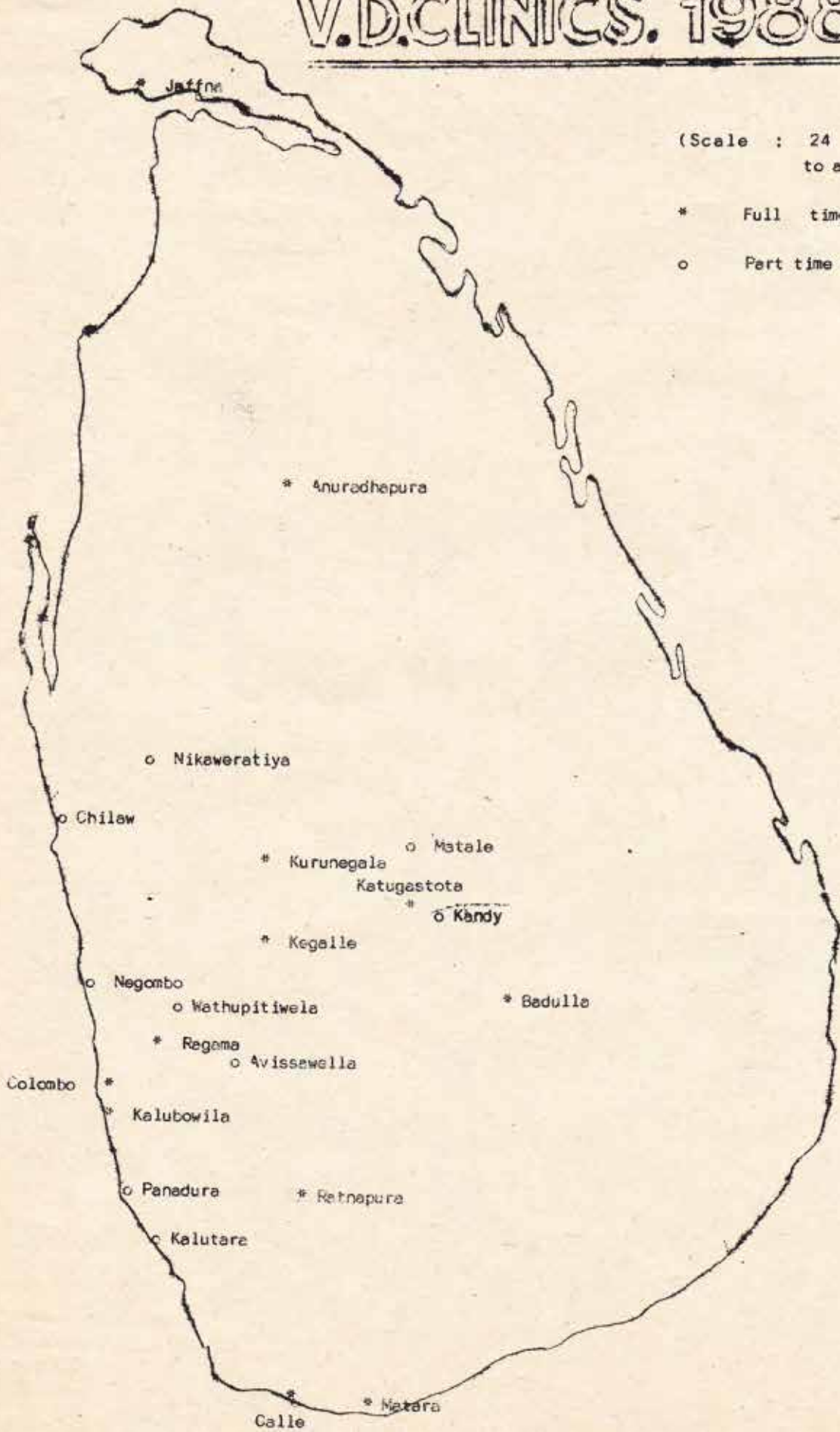
STD/AIDS Control Programme

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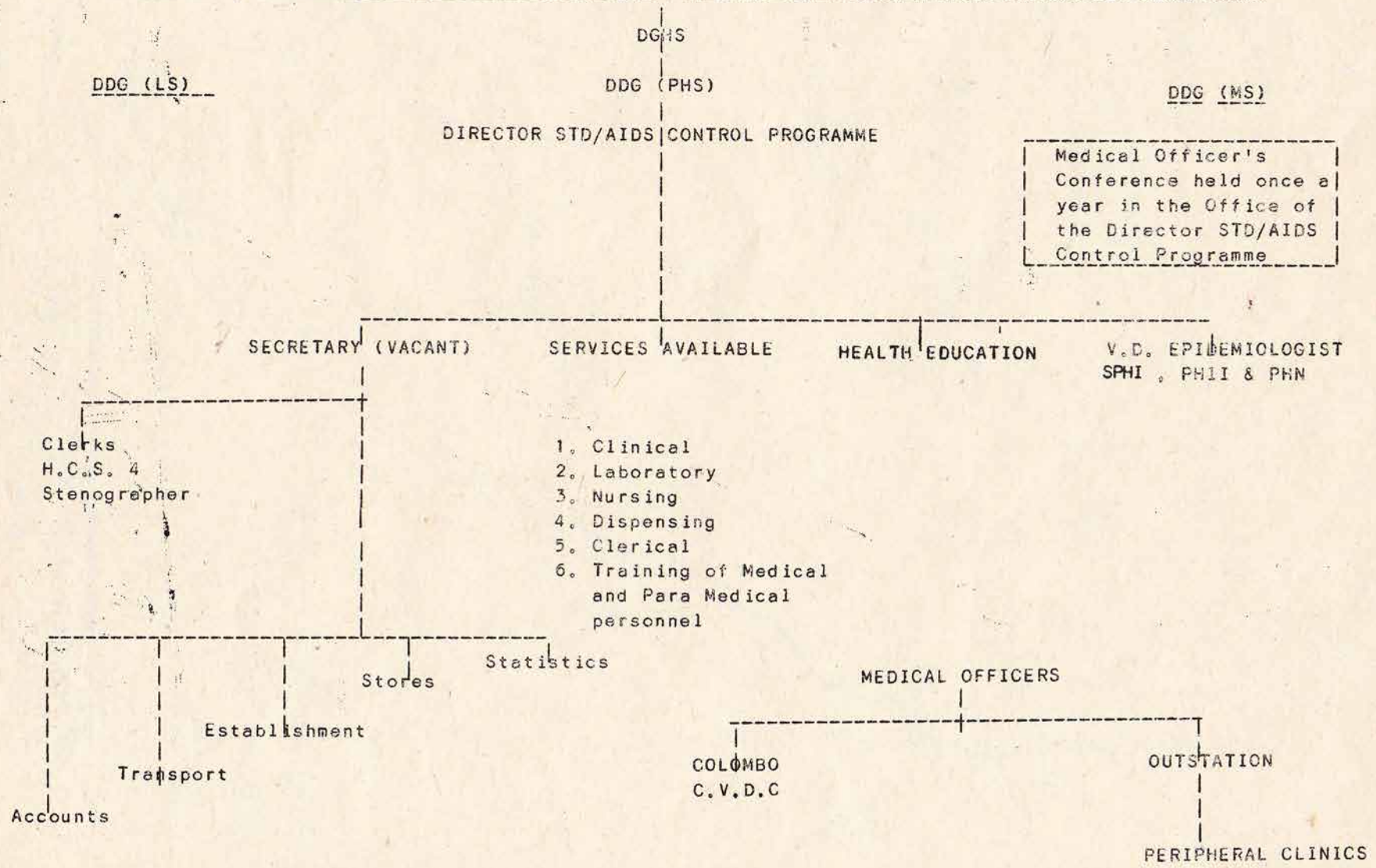
FULL TIME & PART TIME V.D. CLINICS. 1988

(Scale : 24 miles
to an inch)

- * Full time V.D. Clinics
- o Part time V.D. Clinics



ORGANISATION CHART - STD / AIDS CONTROL PROGRAMME



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ADMINISTRATION REPORT OF
STD/AIDS CONTROL PROGRAMME - 1988

1. INTRODUCTION

The Sexually Transmitted Diseases are a group of diseases which are transmitted by sexual intercourse. These diseases may involve almost any part of the human body, but the majority of them can be cured if they are diagnosed early and if treatment is thorough. Ignorance and misunderstanding concerning the facts about these diseases are still very common in Sri Lanka, even in educated circles, and to overcome these problems successfully, it is essential that accurate, factual knowledge should be readily available.

2. PROBLEM

(a) Morbidity

515 new cases of 'Infectious Syphilis' and 2328 new cases of 'Gonorrhoea' were registered in the island's full-time clinics as compared with 465 and 2203 respectively in the previous year.

However, it is important to note that these figures show the trend of the clinics, but not a true picture of the incidence of S.T.D in Sri Lanka, as it is estimated that only 15-20% of those infected attend clinics. Others seek treatment from private medical practitioners and quacks.

The rate per 100,000 population for 'early infectious syphilis' was 3.1 as compared with 2.8 in the previous year.

The rate per 100,000 population for 'gonorrhoea' was 14.0 as compared with 13.5 in the previous year.

The Colombo clinics recorded a slight increase in Gonorrhoea, but a decline in 'Early Infectious Syphilis'.

There were 253 new cases of 'Early Infectious Syphilis' and 1116 new cases of 'Gonorrhoea' as compared with 277 and 999 respectively in the preceding year.

The 20-29 age group in the male section accounted for 60.0% of all cases of 'Early Infectious Syphilis' and 62.0% of all cases of 'Gonorrhoea' as compared with 61.5% and 62.5% respectively in the previous year (Table III)

The 10-19 age group accounted for 12.0% of the total cases of 'Early Infectious Syphilis' as compared with 6.3% in the previous year. 'Gonorrhoea' cases in this age group accounted for 7.8% of the total cases of Gonorrhoea as compared with 5.4% in the previous year.

Contact Investigation and health education activities contributed to the attendance of 45.5% of the Early Infectious Syphilis and 47.4% of the cases of Gonorrhoea at the Colombo Clinics, as compared with 47.4% and 72.5% respectively in the previous year.

At the out-station clinics 262 new cases of 'Early Infectious Syphilis' and 1212 new cases of 'Gonorrhoea' were treated as compared with 188 and 1204 respectively in the previous year and increase of 39.3% in 'Early Infectious Syphilis' and 0.7% in 'Gonorrhoea'.

There were 09 new cases of 'Early Congenital Syphilis' and 17 new cases of 'Late Congenital Syphilis' as compared with 04 and 24 respectively in the preceding year.

In Colombo there were 946 new cases of 'Non Gonococcal Urethritis', while in out-station it was only 549.

Less cases of 'Herpes Genitalis' were seen at the Colombo Clinics than in the out-station clinics. In Colombo 372 new cases were registered for the year 1988, while at the out-station clinics it was 487.

11 new cases of 'Ophthalmia Neonotorum' were registered in the Colombo clinics, while at the out-station clinics 22 new cases were registered, when compared to 07 and 09 respectively in the previous year.

158 cases of 'Candidiasis' and 188 cases of 'Genital Warts' were diagnosed at the Colombo clinics, as compared to 88 and 125 respectively at the out-station clinics.

225 cases of 'B'lactamase' were diagnosed and treated at the Central V.D. Clinic.

Firstly, introduction of private practice and secondly, as some out-station full-time V.D. Clinics continued to function without the services of full-time medical officers and trained personnel - led to a drop in attendance.

To overcome this problem, medical officers and other para-medical staff who like to serve in the campaign for a specified period should only be appointed.

Secondly proper Health Education, should be given to the public, so that they could ^{get} proper and correct treatment when attending V.D. Clinics.

(b) Social Aspects

The highest attendance in the Colombo clinics recorded this year are traders and labourers. The traders accounted for 45.0% of all cases of 'infectious syphilis' and 35.8% of all cases 'Gonorrhoea' as compared with 21.3% and 23.5% respectively in the previous year. Labourers accounted for 44.0% of all cases of infectious syphilis and 32.5% of all cases of gonorrhoea as compared with 26.2% and 21.3% respectively in the previous year.

Prostitutes and Casual acquaintances together accounted for 39.0% of the sources of infection of cases of infectious syphilis and 53.0% of all cases of gonorrhoea, as compared with 57.9% and 53.0% respectively in the previous year

Source of infection of homosexual origin were 10.5% for infectious syphilis and 3.8% for gonorrhoea as compared with 4.3% and 3.4% respectively in the previous year. These figures show a slight increase in homosexual behaviour in Sri Lanka.

3. ORGANIZATION

The Sexually Transmitted Diseases Control Programme in Sri Lanka is at present not well organised. The country is covered with a network of 12 full-time clinics. But very often these clinics do not function properly due to shortage of full-time medical officers to man these clinics.

"Health Care Delivery Programme" of the STD include detection of cases and treatment, contact investigations, contact tracing, tracing of defaulters, and all VDRL reactives, HIV antibody positives, ante-natal blood testings, blood survey of vulnerable groups, health education and providing laboratory facilities for the investigation of cases of sexually transmitted diseases.

Change of Staff

1. Dr. R. Mahendran, Venereologist, CVDC retired from government service on 30.04.88
2. Dr. M. Balasubramaniam assumed duties on 08.01.88 as MO, VDC, Ragama
3. Mrs. H. Ariyawathie, Clerk AVDC transferred on 01.01.88 to RDHS Office Kalutara.
4. Mr. W.A. Gunasekera, Clerk VDC Badulla transferred to Civil Medical Stores Colombo on 01.01.88
5. Mr. A.J.M. Prematillake, Clerk assumed duties on 01.01.88 at VDC Badulla
6. Mr. Y. Dhanawardana assumed duties at VDC Katugastota as of 01.01.88
7. Mrs. H.E. Silva S/N CVDC retired from government service on 14.06.88
8. Mr. S.K. Edirisingha assumed duties as PHI VDC Anuradhapura on 18.07.88
9. Mr. M.A. Sri Lal Perera, Clerk assumed duties at CVDC Colombo as of 26.07.88
10. Miss Tamara Jayasinghe, Clerk assumed duties at CVDC Colombo as of 12.12.88
11. Miss Chambiraja Indira, Clerk assumed duties at VDC Jaffna as of 15.11.88
12. Mr. H.D. Amarasena, Male Attendant VDC Kurunegala retired from government service as of 06.08.88
13. Mrs. Mallika Perera, Female Labourer AVDC Colombo vacated post On 01.06.88
14. Mr. R. Nadarajasundaram, O/Labourer VDC Jaffna vacated post on 05.07.88
15. Mrs. S. Wijeweera, S/N assumed duties at CVDC Colombo on 18.01.88
16. Mr. R. Wasantha Kumara, Sanitary Labourer, VDC Katugastota vacated post on 02.04.88
17. Mrs. H. Swarnalatha assumed duties as MLT, CVDC Colombo on 01.01.88

4. CO-ORDINATION

(a) Local Authorities

Routine blood testings of expectant mothers was continued at the ante-natal clinics in Colombo and Kandy Municipalities with the co-operation of the municipal authorities.

All cases reactive in the "Venereal Diseases Research Laboratory Test" (VDRL) were investigated and treated where necessary at the Colombo and Katugastota clinics (Tables IX & X)

This activity is further intensified with the V.D. Control Programme working in close collaboration with the "Family Health Programme"

(b) Voluntary Organizations

Regular Health Education Programmes were carried out with the co-operation of voluntary organizations.

Programmes of health education in "Sexually Transmitted Diseases" were carried out in Teacher Training Colleges, Universities and other training institutions, in Estates, Schools and Hotels.

The campaign participated in "Mahapola" and Gam-Udawa exhibitions, and in other exhibitions organised by Schools and other voluntary organizations.

5. Activities

Regular control measures were carried out at all full time clinics. An analysis of cases is given in Tables II & XI.

(a) Preventive

Contact investigation was carried out in respect of all cases of infectious V.D. (Tables VII, VIIB & IV)

Routine blood testings of all admissions to "Remand Houses", "Prisons" and the "Training Schools for Youthful Offenders" were continued.

Blood surveys were carried out in Hotels and Prisons. Cluster surveys carried out among high risk groups. Also blood testings of Police personnel and Armed service personnel were carried out before recruiting.

Many a hidden sources of infection in the community has been brought into open for treatment, and follow-up as a result of magistrates referring cases for examinations and treatment at V.D. clinics.

Routine blood tests were continued at ante-natal clinics and maternity wards of hospitals in Colombo and out stations (Tables IX & X)

(b) Curative

The standard treatment for 'gonorrhoea' was procaine penicillin 4.8 mega units for both males and females, preceded by the administration of 1G probencid orally.

All syphilis cases were treated with 'Benzathine Penicillin' 2.4 mega units for (S1,S2,S3) early infectious syphilis, 2.4 x 3 mega units for 'Early Latent Syphilis' cases, and 2.4 x 4 mega units for 'Late Latent Syphilis' cases.

All pregnant mothers with syphilis were treated with procaine penicillin 800,000 units 1M x 12 to 21 depending on the stage of infection.

6. Educational

The training of medical and para-medical personnel in V.D. Control, was continued at the Central V.D. Clinic and at Katugastota V.D. Clinic.

Lecture demonstrations to various categories of health personnel in service and in training were continued.

Post graduates and under graduates of the Faculty of Medicine at Peradeniya, and Galle were given lecture demonstrations on V.D. and its control.

7. Laboratory Work

The laboratory services required for the activities of the Ante S.T.D. Campaign are provided by the Central Laboratory, in charge of a Bacteriologist. This serves as a routine and reference laboratory for the Colombo Clinic, and as a reference laboratory for all V.D. Clinics in the island, and also entertain reference work from any other hospital or general practitioners all over the island. In Katugastota, the laboratory work is under the control of the Venereologist.

The activities as for the diagnosis of 'Venereal Disease' concerned are supervised and controlled by the Central Laboratory which provides, control 'sera reagents' for serological and bacteriological work, and evaluates the performance of the tests. In all provincial laboratories the VDRL test is performed as a routine. Equipments and reagents necessary, are indented for and distributed by the Central Laboratory.

Dark ground microscopy, gram-staining for Gonococcal Examinations, Smear discharges for Trichomonas Vaginalis, routine urine examinations, W.BC/DC etc, are performed at each V.D. Clinic by the Pathologist or by the Venereologist in charge. The TPHA and the FTA tests are being satisfactorily carried out at the Central Laboratory.

The Enzyme Linked Assay method for testing for HIV was successfully performed in the Central Laboratory.

8. Achievements

Sero surveys for 'AIDS' were carried out in the areas of Gangodawila, Wathupitiwala and Colombo.

Blood Surveys for syphilis have been carried out in Estates and Hotels.

Training of Medical, para-medical personnel is being carried out.

Intensive health education activities have been carried out to educate the susceptible groups and the general public, by way of talks, lecture demonstrations, exhibitions and film shows, to get their co-operation in controlling V.D.

34,543 persons were tested for HIV during the year 1988 and 05 were found to be HIV antibody positive.

The island's ante-natal sero activity rate is 0.52% as compared with 0.64% of the previous year.

11 cases of 'Ophthalmia Neonatorum' were registered at the Colombo Clinic and 22 cases were reported from out-station clinics.

9. Special Studies, Research & Surveys

The diagnosis of 'Genital Herpes' was mostly made in clinical basis, and confirmed by culture technique, but as a rapid diagnostic method the 'Herpes', 'ELISA', test was introduced with the active co-operation of the Department of Microbiology, of the Faculty of Medicine in Colombo.

The ELISA test for the detection of antibodies against HIV, and confirmation of HIV ELISA positives by the 'Western Blot' test was also introduced in this year.

10. International Assistance

International Assistance was obtained for the 'AIDS' control programme. Surveys were carried out simultaneously in different high risk groups. All equipment necessary for the HIV antibody detection was presented by the W.H.O.

11. Fundings

Project 7 Venereal Diseases Control

Estimates 1988
Rs.

01. Personnel Emoluments

1. Salaries and Wages	27,00,000
2. Overtime and Holiday Pay	50,000
3. Uniform Allowance	15,000
8. Cost of Living Allowance	9,25,000
9. Other Allowances	<u>4,50,000</u>

41,40,000

02. Travelling Expenses

1. Travelling Expenses - Local	2,40,000
2. Change of Stations Travelling Expenses - Local	<u>10,000</u>

2,50,000

03. Supplies & Requisites

1. Stationery & Office Requisites	20,000
2. Fuel & Lubricants	1,00,000
5. Medical Supplies	
i. Drugs	15,00,000
ii. Other	-
iii. Customs Duty	-
iv. Turn Over Tax	-

7. Uniforms (including Tailoring charges)	40,000
9. Other items of stores	<u>1,00,000</u>

17,60,000

04. Repair & Maintenance of Capital Assets

1. Repair and Maintenance of Vehicles, Machinery and Other services	45,000
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45,000

05. Transportation, Communication, Utility and Other Services

1. Transportation	2,000
2. Communication	40,000
3. Utility	
i. Electricity	10,000
5. Rates & Taxes	10,000
9. Other Services	
i. Holiday Railway Warrants	21,000
ii. Others	<u>1,00,000</u>

1,83,000

12. Conclusion

V.D. control activities were maintained satisfactorily during the year 1988.

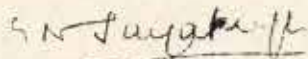
The attendance of new cases of 'Early Infectious Syphilis' and 'gonorrhoea' shows a slight increase - 'Infectious Syphilis' by 10.7% and 'Gonorrhoea' by 5.7%.

Colombo clinics registered a decline in 'Early Infectious Syphilis' by 8.7% but an increase in 'Gonorrhoea' by 11.7%.

The incidence of S.T.D is widespread today that the few investigating officers of the campaign alone cannot cope up with the problem effectively. It requires efforts over a wider front involving other public health personnel in the field. They should play a more active role in tracing contacts and referring them to the nearest V.D. Clinic for examination and treatment. Every delay in tracing a contact can result in several fresh chain of infection.

13. Acknowledgements

The Director Anti S.T.D Campaign wishes to place on record his deep appreciation of the encouragement and assistance he has received from the Department of Health Services as well as from outside, towards the S.T.D Control work.



DR. G.N. JAYAKURU
DIRECTOR
ANTI S.T.D. CAMPAIGN

TABLE I

Attendance by Years - Central V.D. Clinic - Colombo
V.D. Cases 1988

Year	MALES			FEMALES		
	First Visit	Subsequent Visits	Total Visits	First Visit	Subsequent Visits	Total Visits
1981	5061	12174	17235	1482	4020	5502
1982	5267	11727	16994	1519	3953	5472
1983	3847	8175	12022	1183	3280	4463
1984	4520	7495	12015	1216	3079	4295
1985	4232	10134	14366	1483	3958	5441
1986	4121	11579	15700	1503	3796	5299
1987	3354	8548	11902	1525	3159	4684
1988	3669	10645	14314	1464	3713	5177

TABLE II

Analysis of New Cases

	C.V.D.C.		
	Males	Females	Total
Syphilis :			
S1 - Sero Negative Primary	27	01	28
S2 - Sero Negative Primary	136	12	148
S3 - Secondary	37	40	77
S4 - Latent Early	72	67	139
" Late	146	86	232
S5 - Neuro Syphilis	-	-	-
S6 - Cardiovascular	-	-	-
S7 - Other Late Syphilis	02	-	02
S8 - Congenital - Early (Under 02 years)	02	03	05
" - Late (Over 02 years)	02	01	03
Gonorrhoea	894	222	1116
Presumptive Gonorrhoea	07	30	37
Non Gonococcal Urethritis/Cervicitis	600	346	946
Chancroid	60	01	61
Lympho Granuloma Venereum	01	-	01
Reiters Disease			
Trichomonas	04	136	140
Granuloma Inguinale	-	-	-
Other Venereal	256	29	285
Herpes Genitalis	307	65	372
Genital Warts	155	33	188
Candidiasis	56	102	158
Ophthalmia Neonatorum	09	02	11
Yaws Early	-	-	-
Yaws Late	01	-	-
Non Venereal	896	288	1184
	3669	1464	5133

TABLE NO. IV

Distribution of Cases by Occupation - 1988

Colombo Central V.D. Clinic - Male Section

	SYPHILIS				
	S1,S2,S3	S4 Early	Late Syphilis	Congenital Syphilis	Gonorrhoea
Bus Conductors	01	-	01	-	16
Barbers	02	-	-	-	-
Blacksmiths	-	-	-	-	01
Carpenters	08	-	-	01	20
Clerks	12	03	02	01	34
Cobblers	01	-	-	-	-
Cultivators	03	-	02	-	11
Domestics	02	-	-	-	02
Drivers	27	04	10	-	88
Firemen	-	-	-	-	-
Fish Vendors	06	-	-	-	12
Food Handlers	04	-	-	-	02
Goldsmiths	-	-	-	-	-
Labourers	88	11	09	-	270
Laundrymen	-	-	-	-	-
Lawyers	-	-	-	-	-
Masons	05	01	-	-	14
Mechanics	17	02	02	-	80
Overseers	-	-	-	-	-
Paintors	05	-	-	-	03
Peons	03	01	-	-	04
Plantors	-	-	-	-	-
Police & Prison Officials	04	-	-	-	02
Priests	-	-	-	-	-
Salesmen	04	-	-	-	10
Seamen	02	-	-	-	05
Security	07	03	-	-	15
Soldiers	10	02	-	-	22
Students	03	01	01	-	16
Tailors	01	-	-	-	07
Teachers	-	-	-	-	02
Traders	90	06	14	-	320
Unemployed	40	05	-	-	128

TABLE V

Central Laboratory Technical Report for 1988

Colombo Clinics

	Males	Females	Total
<u>S.T.S. - V.D.R.L</u>			
No. of Regular Clinic Cases for 1st Visit	3669	1464	5133
No. of Regular Clinic Cases Reactive	424	210	634
No. of Regular Clinic Cases Non Reactive	3245	1254	4499
Total No. of Regular Clinic Cases for VDRL	5390	2049	7439
Total No. of Regular Clinic Cases Reactive	761	502	1263
Total No. of Regular Clinic Cases Non Reactive	4629	2547	7176
Total No. of C.S.F. Samples	-	-	34
No. of C.S.F. Positives for Syphilis	-	-	01
No. of Smears for G.C.	3536	1934	5470
No. of Smears found positive for G.C.	912	83	995
No. of Smears for D.G. Examination for T.P.	489	97	586
No. of Smears Positive for T.P.	121	09	130
No. of Smears for T.V.	566	1893	2459
No. of Smears Positive for T.V.	15	217	232
No. of Cultures for G.C.	2741	1964	4705
No. of Cultures Positive for G.C.	882	389	1271
B ⁺ Lactamase	-	-	1142
No. Positive	-	-	225
<u>Urine</u>			
Altumin	346	27	373
Sugar	346	27	373
Deposits	346	27	373

TABLE V (contd.)

	Total
<u>S.H.S. Colombo</u>	
Total No. of Cases for VDRL	22253
Total No. of Cases Reactive	494
No. of Ante-natal Cases from MCH Divisions	30
No. of Ante-natal Cases Reactive	01
No. of Blood Donors for VDRL	8980
No. of Blood Donors Reactive	120

TABLE V (Contd.)

	Total
<u>Other S.H.S's</u>	
Total No. of Cases for VDRL	1535
Total No. of Cases Reactive	31
No. of Ante-natal Cases from MCH Divisions	-
No. of Ante-natal Cases Reactive	-
No. of Blood Donors for VDRL	1220
No. of Blood Donors Reactive	18
<u>Out-station Clinics</u>	
Total No. of Cases for Reference Tests	843
Total No. of Cases Reactive	424
<u>A.I.D.S. Survey</u>	
Total No. of H.I.V. Antibody Tests done	34543
Total No. of HIV Reactive	05

TABLE VI

Treatment Completed at the Colombo Clinics

	1984		1985		1986		1987		1988	
	M	F	M	F	M	F	M	F	M	F
Syphilis	421	107	451	117	381	88	344	114	390	155
Gonorrhoea	1264	175	980	141	1004	121	793	194	894	236
Presumptive Gonorrhoea	-	55	-	60	01	31	07	29	07	30

M = Males

F = Females

TABLE VII

Contact Investigations - Extra Marital Contacts
Colombo Central V.D. Clinic

No. of Patients Interviewed:

Syphilis Early:	S1	16
	S2	92
	S3	37
	S4 Early	57
Syphilis Late:	S4 Late, S5, S6, S7	99
	Gonorrhoea	607

No. of Extra-marital Contacts - Named

S1, S2, S3	43
S4 Early	04
Gonorrhoea	118

No. of Extra-marital Contacts - Traced

S1, S2, S3	22
S4 Early	03
Gonorrhoea	57

No. of Extra-marital Contacts - Brought to Clinic

S1, S2, S3	10
S4 Early	03
Gonorrhoea	27

No. of Extra-marital Contacts - Found Positive

S1, S2, S3	02
S4 Early	03
Syphilis Late	-
Gonorrhoea	11

No. of Extra-marital Contacts - Treated

Syphilis Early	05
Syphilis Late	-
Gonorrhoea	11
Presumptive Gonorrhoea	17

- Contact Index : (Approximate number of contacts obtained from each case or Primary and Secondary Syphilis Interviewed) : 0.22
- Epidemiological Index: (Approximate number of 'Syphilis Infections' identified in the contacts of each primary and secondary syphilis patients interviewed) : 0.01
- Brought to Treatment Index : (Approximate number of 'Syphilis Infections' brought to treatment among contacts of each primary and secondary patients interviewed) : 0.07
- Lesion to Lesion Index : (Approximate number of Primary and secondary syphilis infections brought to treatment among contacts of each primary and secondary syphilis patients interviewed) : 0.01

TABLE VII B

Investigation of Family Contacts - Colombo C.V.D.C. 1988Contact Slips Issued :

<u>Syphilis Early</u>	S1	03
	S2	18
	S3	07
	S4 Early	21
<u>Syphilis Late</u>	S4 Late, S5, S6, S7	42
	Gonorrhoea	81

Family Contacts - Brought to Clinic

S1, S2, S3	13
S4 Early	13
Syphilis Late	18
Gonorrhoea	46

Family Contacts - Found Positive

S1, S2, S3	08
S4 Early	06
Syphilis Late	03
Cong: Syphilis Early	02
Cong: Syphilis late	-
Gonorrhoea	12

Family Contacts - Treated

Syphilis Early	12
Syphilis Late	04
Cong: Syphilis	02
Gonorrhoea	12
Presumptive Gonorrhoea	29

TABLE NO. VII C

Sources of Infection "Infectious Syphilis", "Gonorrhoea"Central V.D. Clinic (Male Section) 1988

	S1, S2, S3	%	Gonorrhoea	%
Prostitutes & Casual Acquaintance	78	39.0	475	53.0
homo-sexuals	21	10.5	34	3.8
Marital Partners	04	2.0	07	0.8
Mistresses	03	1.5	15	1.7
Friends	-	-	-	-
Denies Exposures	08	4.0	22	2.7
Not Interviewed	86	43.0	341	38.0
Total	200	100.0	894	100.0

TABLE V (Contd.)

	Total
<u>Other S.H.S's</u>	
Total No. of Cases for VDRL	1535
Total No. of Cases Reactive	31
No. of Ante-natal Cases from MCH Divisions	-
No. of Ante-natal Cases Reactive	-
No. of Blood Donors for VDRL	1220
No. of Blood Donors Reactive	18
<u>Out-station Clinics</u>	
Total No. of Cases for Reference Tests	843
Total No. of Cases Reactive	424
<u>A.I.D.S. Survey</u>	
Total No. of H.I.V. Antibody Tests done	34543
Total No. of HIV Reactive	05

TABLE VI

Treatment Completed at the Colombo Clinics

	1984		1985		1986		1987		1988	
	M	F	M	F	M	F	M	F	M	F
Syphilis	421	107	451	117	381	88	344	114	390	155
Gonorrhoea	1264	175	980	141	1004	121	793	194	894	236
Presumptive Gonorrhoea	-	55	-	60	01	31	07	29	07	30

M = Males

F = Females

TABLE NO. VIII (Contd.)

	Trichomonas Vaginalis		Other Venereal		Herpes Genitalis		Candidiasis		Genital Warts		Ophthalmia Neonatorum		Yaws		Non Venereal		L.G.V.		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Contact Investigation	-	12	02	04	06	02	-	06	03	01	01	01	-	-	28	38	-	-	79	149
Voluntary	01	26	170	15	205	23	37	35	70	07	02	-	-	-	604	83	-	-	2240	384
Special Surveys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	02	-	-	-	38	-
Transferred from other Clinics	-	-	-	-	-	-	-	-	-	-	-	-	-	-	04	-	-	-	05	-
Referred from other Departments & Physicians	-	08	49	05	53	35	14	15	50	13	06	01	01	-	195	75	-	-	663	278
Pre-employment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	02	01	-	-	56	05
Court Referrals	-	45	03	01	-	-	-	08	04	06	-	-	-	-	31	83	-	-	49	283
Health Education	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Follow up work	03	45	32	04	43	05	05	38	28	06	-	-	-	-	30	-	-	-	537	36
Introduced by other Patients	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	02	-
Epi-Treatment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	04	136	256	29	307	65	56	102	155	33	09	02	01	-	896	288	-	-	3669	1464

TABLE IX

Analysis of Serological Tests (New Cases)
Colombo Clinics - 1988

	NO. OF SPECIMENS				% Reactive
	Total	No. Reactive	No. Non Reactive	Others	
Regular Clinic Cases	5133	634	4499	-	12.3
De-Soyza Maternity Hospital Colombo	4723	118	4605	-	2.4 *
Castle-Street Maternity Hospital Colombo	8807	142	8665	-	1.6 **
Colombo Central Maternity Hospital	-	-	-	-	-
Municipal Clinics	3425	44	3381	-	1.3***
Pre-Employment	10250	111	10139	-	1.0
Referred from other Clinics	1029	36	993	-	3.5
Rat-bite Cases	27	01	26	-	3.7
Vagrants	-	-	-	-	-
Eatates	-	-	-	-	-
Service Personnel (Police)	2791	01	2790	-	0.03
Blood Bank	25476	388	25088	-	1.5
Special Surveys	2216	67	2149	-	3.0
Total	63877	1542	62335	-	2.4

* Corrected rate after excluding 73 false positives
and previously treated cases : 0.9

** Corrected rate after excluding 114 false positive
and previously treated cases : 0.3

*** Corrected rate after excluding 34 false positives
and previously treated cases : 0.3

TABLE NO. X

Analysis of Serological Tests for Syphilis (New Cases)Out-station V.D. Clinics - 1988

	NO. OF SPECIMENS				% Reactive
	Total	No. Reactive	No. Non Reactive	Others	
Regular Clinic Cases	5171	489	4682	03	9.5
Pre-Natal	13892	79	13813	-	0.6
Pre-Employment	11976	72	11904	-	0.6
Admission to Eye Clinics	105	07	98	-	6.7
Referred Cases	4723	348	4375	-	7.4
Rat-bite Cases	-	-	-	-	-
Blood Banks	8597	44	8553	-	0.5
Estates	3355	04	3351	-	0.9
Service Personnel	2076	04	2072	-	0.2
Other Surveys (Prisoners)	1046	46	1000	-	4.4
Total	50941	1093	49848	03	0.9

TABLE NO. XI

Analysis of New Cases - 1988
Outstation Full-time V.D. Clinics

	Anuradhapura		Badulla		Galle		Jaffna		Kalubowila		Katugastota	
	M	F	M	F	M	F	M	F	M	F	M	F
Sero Negative Primary Syphilis	12	-	-	-	-	-	06	01	08	04	08	-
Sero Positive Primary Syphilis	04	06	06	-	13	11	05	01	04	03	31	03
Secondary Syphilis	-	-	03	-	01	-	-	-	05	02	03	04
Latent Early Syphilis	-	-	04	03	06	09	01	01	02	18	34	07
Latent Late Syphilis	-	-	03	-	03	04	03	04	04	17	31	05
Neurosyphilis	-	-	-	-	-	-	-	-	02	01	02	-
Cardiovascular Syphilis	-	-	-	-	-	-	-	-	-	-	-	-
Other Late Syphilis	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Syphilis (under 02 years)	-	-	-	-	-	-	-	-	-	-	02	-
" " (over 02 years)	-	-	-	-	-	-	-	-	-	-	-	01
Gonorrhoea	80	13	34	10	41	20	20	09	42	09	321	38
Presumptive Gonorrhoea	-	-	09	07	-	07	-	06	-	03	-	33
Non Gonococcal Urethritis/Cervicitis	04	-	12	34	23	11	22	02	17	06	160	78
Chancroid	01	01	-	-	24	03	17	03	02	-	03	-
Lympho Granuloma Venereum	-	-	-	-	-	-	-	-	-	-	-	01
Trichomonas Vaginalis	-	-	02	07	-	-	-	-	-	-	-	71
Reiters Disease	-	-	-	-	-	-	-	-	-	-	-	-
Other Venereal	-	-	18	04	14	30	21	04	24	07	-	-
Herpes Genitalis	13	-	01	02	-	-	-	-	18	19	132	59
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-
Candidiasis	-	-	03	08	-	-	-	-	-	-	02	32
Ophthalmia Neonotrum	-	-	-	-	-	-	-	-	-	-	-	-
Genital Warts	25	03	09	04	-	-	-	-	17	07	39	06
Yaws - Early	-	-	-	-	-	-	-	-	-	-	-	-
Yaws - Late	-	-	-	-	-	-	-	-	-	-	-	-
Non Venereal	47	40	63	39	53	20	73	25	55	85	506	127
Total	186	63	167	118	178	115	168	58	200	184	1274	465

TABLE XI (Contd.)

Analysis of New Cases - 1988
Outstation full-time V.D. Clinics

	<u>Kegalle</u>		<u>Kurunegala</u>		<u>Matara</u>		<u>Ragana</u>		<u>Ratnapura</u>		<u>Total</u>	
	M	F	M	F	M	F	M	F	M	F	M	F
Sero Negative Primary Syphilis	01	-	-	-	03	-	08	02	01	02	47	09
Sero Negative Primary Syphilis	02	01	07	07	18	03	22	08	06	03	118	46
Secondary Syphilis	-	-	01	03	-	01	06	11	01	01	20	22
Latent Early Syphilis	01	-	06	03	02	03	03	03	03	01	62	48
Latent Late Syphilis	-	-	04	05	02	-	01	-	03	05	54	40
Neurosyphilis	-	-	-	-	-	-	-	-	-	-	04	01
Cardiovascular Syphilis	-	-	-	-	-	-	-	-	-	-	-	-
Other late syphilis	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Syphilis (under 02 years)	-	-	-	-	01	-	01	-	-	-	04	-
" " (over 02 years)	-	-	06	07	-	-	-	-	-	-	06	08
Gonorrhoea	44	27	92	13	156	15	63	24	67	74	960	252
Presumptive Gonorrhoea	02	03	-	25	01	14	14	08	-	-	26	106
Non Gonococcal Urethritis/Cervicitis	14	02	40	37	48	02	03	02	24	08	367	182
Chancroid	13	-	13	01	01	-	26	13	47	01	147	22
Lympho Granuloma Venereum	-	-	-	-	-	-	-	-	02	-	02	01
Trichomonas vaginalis	-	12	-	55	-	-	01	19	-	17	03	186
Reiters Disease	-	-	-	-	-	-	-	-	-	-	-	-
Other Venereal	08	05	24	06	30	08	15	15	13	03	167	82
Herpes Genitalis	23	08	73	62	46	03	09	02	16	01	331	156
Granuloma Inguinale	0-	-	-	-	-	-	-	-	-	-	-	-
Candidiasis	-	27	-	-	-	-	01	03	07	05	13	75
Ophthalmia Neonotrum	-	-	07	08	-	-	02	05	-	-	09	13
Genital Warts	-	-	-	-	-	-	-	-	10	05	100	25
Yaws - Early	-	-	-	-	-	-	-	-	-	-	-	-
Yaws - Late	-	-	-	-	-	-	-	-	-	-	-	-
Non Venereal	31	47	25	83	31	15	33	20	30	09	947	510
Total	139	132	248	315	339	64	208	135	230	135	3387	1784

TABLE NO. XII

Diagnostic Examination - 1988
Outstation Full-time V.D. Clinics

	Anuradhapura		Total	Badulla		Total	Galle		Total	Jaffna		Total	Kalubowila		Total	Katugastota		Total
	M	F		M	F		M	F		M	F		M	F		M	F	
Smears for Gonococcai	81	38	119	143	81	224	120	92	212	39	23	62	136	254	390	771	404	1175
Culture for Gonococcai	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	202	231
Darkground for T.P.	25	03	28	24	14	38	12	05	17	03	-	03	04	05	09	129	20	149
Smears for T.V.	01	06	07	26	96	122	48	08	56	39	23	62	09	118	127	436	377	813
Blood Samples for Syphilis	3574	1182	4756	1002	1393	2395	1043	3076	4119	985	1169	2154	605	523	1128	10587	5524	16111
Spinal fluid for syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	09	97
T.P.H.A Tests	-	-	-	-	-	-	09	14	23	-	-	-	07	04	11	-	-	-
Other Tests	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3681	1229	4910	1195	1584	2779	1232	3195	4427	1066	1215	2281	761	904	1665	12040	6536	18576

	Kegalle		Total	Kurunegala		Total	Matara		Total	Ragama		Total	Ratnapura		Total
	M	F		M	F		M	F		M	F		M	f	
Smears for Gonococcai	77	241	318	156	158	314	354	48	402	38	115	153	97	102	199
Culture for Gonococcai	-	-	-	-	-	-	-	-	-	09	21	30	-	-	-
Darkground for T.P.	-	-	-	138	97	235	07	-	07	89	63	152	07	02	09
Smears for T.V.	-	241	241	-	95	95	-	17	17	49	130	179	-	112	112
Blood Samples for Syphilis	800	1124	1924	3184	4133	7317	3641	2263	5904	933	1162	2095	1543	3023	4566
Spinal fluid for syphilis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T.P.H.A Tests	-	-	-	-	-	-	-	-	-	13	06	19	-	-	-
Other Tests	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	877	1606	2483	3481	4561	8042	4002	2328	6330	1121	1407	2628	1617	3239	4856

TABLE NO. XIV
Contact Interviews & Investigations - 1988
Outstation Full time V.D. Clinics

		Anura- dhapura	Badulla	Galle	Jaffna	Kalu- Bowila	Katuges- tota	Kegalle	Kuru negela	Matara	Ragama	Ratna- pura	Total
No. of Patients Interviewed:													
Syph:	(S1	-	-	07	04	08	01	-	03	10	02	35	
Early	(S2	-	19	06	20	33	02	12	18	25	05	140	
	(S3	-	04	-	03	07	-	04	-	16	02	36	
	(S4 Early	03	11	02	24	40	01	08	01	04	01	95	
Syph:	(S4 Late, S5, S6, S7	01	05	07	20	45	-	11	01	-	06	96	
Late	Gonorrhoea	11	52	29	43	359	70	85	130	81	126	986	
No. of Extra Marital Contacts													
Named	S1, S2, S3	-	13	02	-	10	03	16	09	30	05	88	
	S4 Early	-	05	-	-	09	-	-	-	-	02	16	
	Gonorrhoea	03	25	06	-	44	56	69	71	35	85	394	
Traced	S1, S2, S3	-	11	02	-	06	-	13	08	26	04	70	
	S4 Early	-	05	-	-	08	-	-	-	-	01	14	
	Gonorrhoea	01	20	04	-	32	41	46	59	31	74	308	
Brought to Clinic													
	S1, S2, S3	-	08	02	-	03	-	13	01	17	03	47	
	S4 Early	-	04	-	-	02	-	-	-	-	01	07	
	Gonorrhoea	01	17	04	-	14	34	42	06	17	74	209	
Found Positive													
	S1, S2, S3	-	03	-	-	-	-	04	01	10	01	19	
	S4 Early	-	03	-	-	01	-	01	-	-	01	06	
	Syph. Late	-	-	-	-	-	-	-	-	-	03	03	
	Gonorrhoea	-	10	01	-	04	20	04	06	09	57	111	
Analysis of Treatment													
	Syphilis Early	-	06	-	-	01	-	05	01	10	02	25	
	Syphilis Late	-	-	-	-	-	-	-	-	-	02	02	
	Gonorrhoea	-	10	01	-	04	20	04	06	09	57	111	
	Presumptive Gonorrhoea	-	03	02	-	09	02	13	-	01	-	30	

NOT

AVAILABLE

TABLE NO. XV
ANALYSIS OF NEW CASES - 3Y YEARS

Year	Primary Syphilis	Secondary Syphilis	Late Syphilis	Congen: Early	Congen: Late	Gonorrhoea	Presumptive Gonorrhoea	N.G.U/ Cervicitis	Chancroid
1973	692	153	1086	10	108	4980	779	608	1068
1974	1248	260	847	03	78	8166	1154	998	1673
1975	2390	610	562	06	35	8559	1283	1006	1674
1976	3420	1266	245	19	58	7358	897	1013	1140
1977	2836	771	651	28	43	5003	599	631	1021
1978	2146	583	995	38	45	3761	394	673	1186
1979	1269	436	1095	36	24	3085	384	590	700
1980	870	317	988	15	15	3425	327	756	601
1981	727	237	767	26	19	3532	346	727	847
1982	629	188	761	08	10	3728	297	805	831
1983	456	160	573	10	20	2880	272	669	488
1984	511	128	490	07	14	2860	203	1030	355
1985	533	144	559	09	09	2574	214	1732	450
1986	397	101	574	10	28	2494	184	1831	369
1987	345	120	458	07	31	2203	146	1506	272
1988	396	119	582	09	17	2328	169	1495	230

TABLE NO. XV (Contd.)

Year	T.V.	Herpes Genitalis	Reiters Disease	L.G.V.	Yaws Early	Yaws Late	Granuloma Inguinale	Ophthalmia Neonotorum	Candidiasis	Genital Warts	Other Venereal	Total
1973	-	-	-	-	-	-	-	-	-	-	1105	10593
1974	-	-	-	-	-	-	-	-	-	-	1963	16385
1975	-	-	-	-	-	-	-	-	-	-	3421	19548
1976	1649	677	-	-	-	-	-	-	-	-	1453	19285
1977	1408	656	-	-	-	-	-	-	-	-	1081	14728
1978	1164	406	04	01	01	05	-	-	-	-	1321	12728
1979	919	344	04	-	01	04	-	-	-	-	955	9946
1980	786	651	01	03	-	-	-	-	-	-	950	9705
1981	688	677	08	03	-	01	-	-	-	-	834	9430
1982	625	963	03	01	-	-	-	-	-	-	930	9779
1983	597	672	01	02	-	01	12	-	-	-	922	7755
1984	489	1086	01	04	-	02	08	01	-	-	1021	8210
1985	451	1193	-	01	01	01	10	06	309	169	739	9804
1986	459	1068	-	-	01	01	05	17	378	250	719	8886
1987	413	827	-	02	-	02	01	16	328	240	502	7419
1988	329	859	-	03	-	01	-	33	246	313	534	7663

TABLE NO. XVI

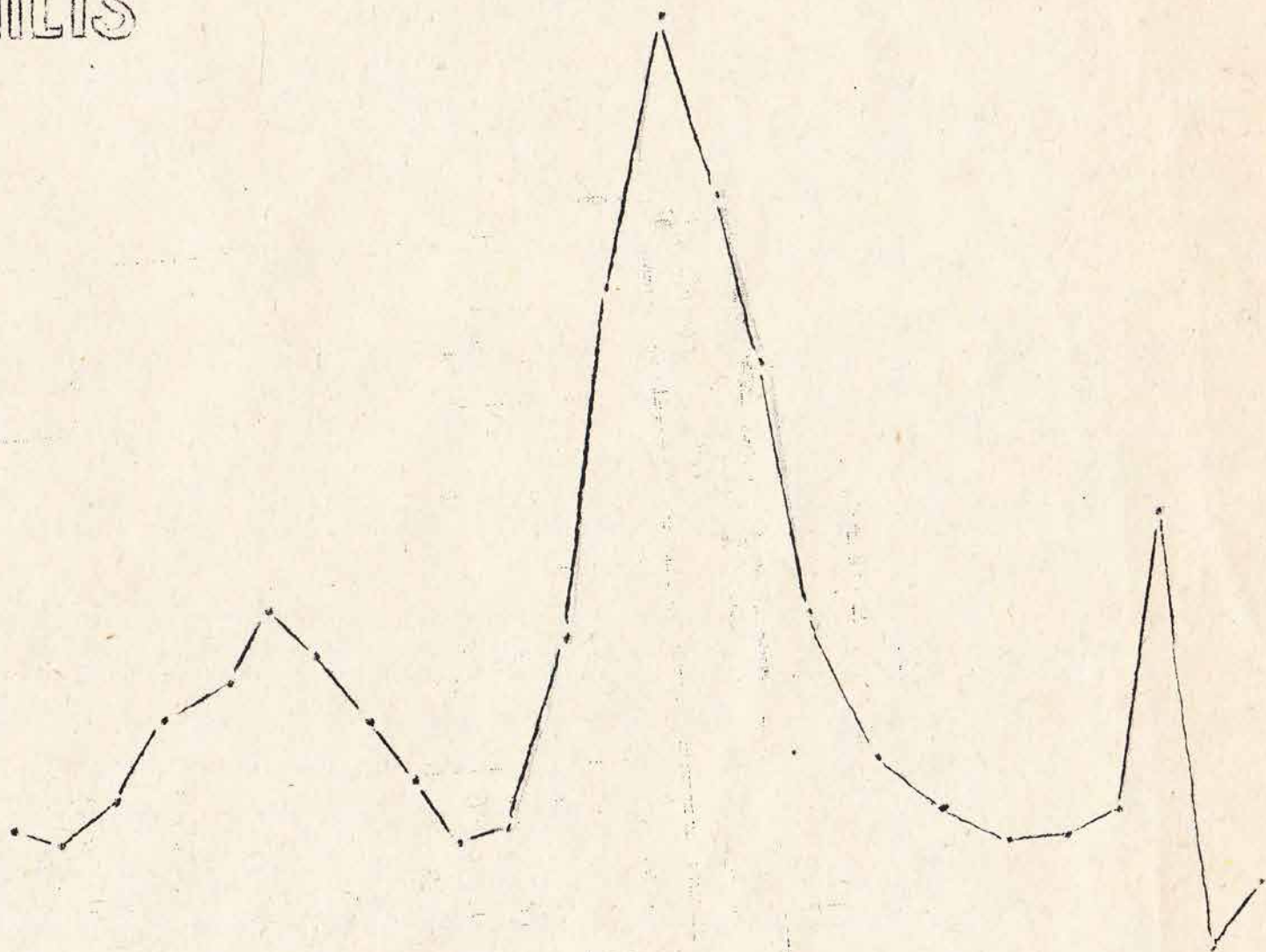
Early Infectious Syphilis

Sri Lanka per 100,000 population

U.S.A " " "
U.K. " " "

Years	Population	Sri Lanka	U.S.A	U.K
1962	10,714,000	5.2	11.9	6.5
1964	10,971,000	4.6	12.1	5.5
1965	11,252,000	6.2	12.5	6.9
1966	11,478,000	8.8	11.6	5.5
1967	11,740,000	10.0	10.8	5.3
1968	11,964,000	12.0	10.3	5.3
1969	12,221,000	10.6	9.3	-
1970	12,514,000	8.5	-	-
1971	12,447,000	6.6	-	-
1972	12,951,000	5.2	11.8	-
1973	13,180,000	6.5	12.1	-
1974	13,393,000	11.0	11.9	-
1975	15,496,000	21.5	-	-
1976	15,717,000	30.0	-	-
1977	13,940,000	24.8	-	-
1978	14,181,000	19.2	-	-
1979	14,471,000	12.0	-	-
1980	14,600,000	8.2	-	-
1981	14,850,000	6.5	-	-
1982	15,102,000	5.4	-	-
1983	15,600,000	4.0	-	-
1984	15,609,000	4.1	-	-
1985	15,886,000	4.2	-	-
1986	16,209,000	3.0	-	-
1987	16,329,000	2.8	-	-
1988	16,677,000	3.1	-	-

SYPHILIS



3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8 9 10 11 12 3 4 5 6 7 8

TABLE NO. XVII

GonorrhoeaRate per 100,000 population

Year	Population	Sri Lanka	U.S.A	U.K
1963	10,714,000	20.6	140.6	140.5
1964	10,971,000	20.3	150.4	140.3
1965	11,232,000	20.2	160.3	140.5
1966	11,478,000	20.3	170.3	150.1
1967	11,740,000	20.6	190.3	160.2
1968	11,964,000	20.3	210.9	-
1969	12,221,000	20.6	-	-
1970	12,514,000	30.2	-	-
1971	12,747,000	31.0	-	-
1972	12,951,000	30.0	371.0	-
1973	13,180,000	38.0	392.2	-
1974	13,395,000	60.0	404.9	-
1975	13,496,000	61.6	-	-
1976	13,517,000	52.0	-	-
1977	13,940,000	34.5	-	-
1978	14,181,000	26.9	-	-
1979	14,471,000	21.3	-	-
1980	14,500,000	23.6	-	-
1981	14,850,000	23.7	-	-
1982	15,102,000	24.6	-	-
1983	15,300,000	18.8	-	-
1984	15,609,000	18.3	-	-
1985	15,886,000	16.2	-	-
1986	16,209,000	15.4	-	-
1987	16,329,000	13.5	-	-
1988	16,677,000	14.0	-	-

GONORRHOEA

