

Workload Data Base of Clinical Division Support
in the Department of Bacteriology and
Clinical Laboratory Science

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OBJECTIVE : To assemble a data base of support workload at both the departmental and interdepartmental levels of research.

BACKGROUND : The Department of Bacteriology and Clinical Laboratory Science was reorganized during August 1977 from the Department of Clinical Pathology with the objective of conducting interdisciplinary medical research in bacteriology and clinical laboratory sciences on a departmental as well as on an interdepartmental collaborative level.

The Department is a research department which will study infectious diseases of bacterial, fungal and parasitological origins and clinical chemistry and microscopy related to infectious diseases. Clinical support will also be provided. All work done by the department is to be identified in protocols and subsequently in publications.

The departmental reorganization and emphasis on its research mission is reflected by the support workload data base.

METHODS : Quarterly workload data in terms of number of test cultures etc. were collected from laboratory records. Data were collated according to the US Component departments : Virology, Veterinary Medicine, Entomology, Medicine, Bacteriology, Immunobiology and Epidemiology. Other tests were frequently done and other departments not part of the US component were included.

RESULTS : Workload for clinical bacteriology, clinical chemistry, clinical microscopy and special chemistry is presented as a table, covering the fiscal year of 1977. Standard terminology and abbreviations of laboratory tests are used.

The data base indicates that clinical efforts support research on both a Departmental and inter-Departmental level.

Work Load Table, FY 77

Clinical Bacteriology

	Rectal	T. culture	CSF	pne/fluid	Blood	eye/ear	Umbilical	Urethral	Vaginal	Urine	Serology	Others**
Virus (Oct-Dec 76)												1
(Jan-Mar 77)												15
(Apr-Jun 77)												1
(Jul-Sep 77)												
Vet. Med. (Oct-Dec 76)	53											
(Jan-Mar 77)	33											
(Apr-Jun 77)	59											
(Jul-Sep 77)	97											
Other* (Oct-Dec 76)	364	24	15	18	2	8	13	7	8	25	22	
(Jan-Mar 77)	457	34	32	12	8	8	17	2	16	24	3	
(Apr-Jun 77)	423	31	12	27	10	2	5	16	5	17	20	
(Jul-Sep 77)	368	37	23	18	25	2	1	13	5	9	9	
Entomo. (Oct-Dec 76)												
(Jan-Mar 77)												
(Apr-Jun 77)												
(Jul-Sep 77)												

Clinical Chemistry

	Bilirubin	Cholesterol	SGOT/SGPT	Alk. Phos	Urea N./Glucose	Protein/Albumin	Electrolytes (Protein/Albumin)	Electrolytes (K, Cl, CO ₂)	Uric A/Creatinine	Quinine	LHM activity	Total Lipid	Ca/PO ₄
Virus (Oct-Dec 76)	28	35	728	8	203	234	212	14	184		5		
(Jan-Mar 77)	8	13	1658	3	49	84	80		47				
(Apr-Jun 77)	26	13	414	7	30	5			13				
(Jul-Sep 77)	34	22	36	13	32	8			21				
Vet. Med. (Oct-Dec 76)	60								60				
(Jan-Mar 77)													
(Apr-Jun 77)													
(Jul-Sep 77)													
Other* (Oct-Dec 76)	10	34	56	21	68	22	69	4	63			3	2
(Jan-Mar 77)	26	34	53	18	62	44	35	2	53				
(Apr-Jun 77)	38	42	70	21	78	28	15		49				
(Jul-Sep 77)	28	40	65	20	74	20	15		31				
Med. (Oct-Dec 76)	142	1	254	127	166	2	1		110			211	
(Jan-Mar 77)	166	2	218	109	137	4			105			238	
(Apr-Jun 77)	49	3	61	31	27	2			105			238	
(Jul-Sep 77)	1074	1	1120	560	549				556			609	
Immo. (Oct-Dec 76)													
(Jan-Mar 77)													
(Apr-Jun 77)													
(Jul-Sep 77)													

Special Chemistry

	Pyrimethamine	Sulfonamide
Medicine (Oct-Dec 76)	50	58
Medicine (Apr-Jun 77)		85

Clinical Microbiology

	CBC	Platelets Count	Urinalysis	CSFD	Other**
Virus (Oct-Dec 76)	261	234	7	214	111
(Jan-Mar 77)	286	245	18	378	60
(Apr-Jun 77)	358	337	18		23
(Jul-Sep 77)	617	248	2		12
Vet. Med. (Oct-Dec 76)	110				
(Jan-Mar 77)					
(Apr-Jun 77)					
(Jul-Sep 77)					
Medicine (Oct-Dec 76)	4	2	7		
(Jan-Mar 77)	1	1	5		
(Apr-Jun 77)	7	6	10		
(Jul-Sep 77)	5	3	3		
Bact. (Oct-Dec 76)	3		3		
(Jan-Mar 77)	18	2	0	2	8
(Apr-Jun 77)	21	5	6		11
(Jul-Sep 77)	15		1		4
Immo. (Oct-Dec 76)	6	1	4		3
(Jan-Mar 77)	17	3	4		8
(Apr-Jun 77)	6	2	2		12
(Jul-Sep 77)	47	2	2		
Epid. (Apr-Jun 77)	174				
Other* (Oct-Dec 76)	16	1	6	48	38
(Jan-Mar 77)	16	5	7	25	63
(Apr-Jun 77)	21	6	6	74	77
(Jul-Sep 77)	9	3		88	32

* Laboratory personnel, Thai Component, Royal Thai Army Hosp., Navy Hosp., Children Hosp., Rajvithi Hosp., Prabhudhat Hosp., Bangkok Hosp., Peace Corps, US Embassy.

** Miscellaneous tests and identifications.