



PDM Indicator

1999~2002 (June)



Bach Mai Hospital Project for Functional Enhancement

Hanoi, Vietnam

PDM indicator

	Indicator	1999	2000	2001	2002 (~Jun)
A	Patient satisfaction test (in-patient) I-1			82.21 scores	82.21 csore
A	Patient satisfaction test (out-patient) I-2			73.1 scores	NA
A	Rate of nosocomial infection II	9.60%		6.54%	NA
A	Results of quality control III			99.75%	NA
A	Results of nursing care test IV-1			87.00%	87.00%
A	No.of computer operators IV-2		67	127	131
A	Operation ratio of ME V	92%	92%	94%	94.50%
A	No.of people accessed to library VI-1	2,156	2,320	6,922	5,478
A	No.of people accessed to medical record storage VI-2	506	550	982	310
A	Reliability of provincial hospital staff on BMH VII-1			81.7 scores	85 scores
A	Questionnaire to outpatient asking reliability of BMH VII-2			81.9 scores	NA
A	No.of reply to referral cases VIII-1		735	1,204	344
A	No.of examination requested from outside institutions (Biochemistry) VIII-2	840	1,440	3,240	1,850
A	No.of medical staff member trained in BMH and working in medical institutions in the North VIII-3	2,654	2,907	4,195	1,460
B	No.of diploma aquisition	10	11	6	NA
B	No.of missing medical record		4,000	2,600	1,700
B	No.of inspected and checked ME	21	23	30	30
B	Successful ratio of repair	92.00%	92.90%	94.20%	94.50%
B	Average annual income per bed	34,300,000 VND	35,400,000 VND	39,600,000 VND	22,886,370 VND
B	Average annual income per staff	10,000,000 VND	11,200,000 VND	12,200,000 VND	6,400,000 VND
B	Amount of uncollected hospital fee	1,862,671,000 VND	2,882,744,471 VND	2,200,000,000 VND	1,007,954,231 VND
B	Total No.of laboratory examination (Biochemistry)	419,695	502,322	871,534	648,033
B	Total No.of endoscopic examination	3,525	3,153	11,681	5,708
B	No. of diagnosis and treatment procedures transferred by BMH	36	36	36	36
B	No.of trainers dispatched from BMH to provincial and lower level institutions	412 turns of staff	375 turns of staff	450 turns of staff	92 turns of staff
B	No.of trainees	2,654	2,907	4,195	1,460

Achievements of the project (Jan 2000 - Jun 2002)
Based on the Project Design Matrix

Narrative summary	Indicators		Achievement			
			Achievement	1999	2000	2001 ~ June 2002
OVERALL GOAL						
Medical services in the North of Vietnam are upgraded	*No. of medical staff members who were trained in Bach Mai hospital and are working in medical institutions in the North of Vietnam	B	*No. of medical staff members who were trained in Bach Mai hospital and are working in medical institutions in the North of Vietnam	2,654	2,907	4,195 1,460
	*No. of diagnostic and treatment procedures transferred by BMH	B	*No. of diagnostic and treatment procedures transferred by BMH	36	36	36 36
	*No. of reply to referred cases	A	*No. of reply to referred cases	not yet started	735	1,204 344
	*Reliability of provincial hospital to BMH	A	*Reliability of provincial hospital to BMH			81.7 scores 85 scores (conducted in Tuyen Quang hosp.)
PROJECT PURPOSE						
The quality of medical services is improved in BMH	*Patient satisfaction test I	A	*Patient satisfaction test I			82.21 scores
	*Rate of nosocomial infection II	A	*Rate of nosocomial infection II	9.60%		6.54%
	*Result of quality control III	A	*Result of quality control III			99.75% 99.75%
	*Result of nursing care test (conducted in Gastroenterology dept.) VI-1	A	*Result of nursing care test (conducted in Gastroenterology dept.) VI-1			87.00% 87.00%
	*No. of computer operators IV-2	A	*No. of computer operators IV-2		67	127 31
	*Operation ratio of medical equipment V	A	*Operation ratio of medical equipment V	92%	92%	94% 94.50%
	*No. of people accessed to the library VI-1	A	*No. of people accessed to the library VI-1	2,156	2,320	6,922 5,478
	*No. of people accessed to the medical record storage VI-2	A	*No. of people accessed to the medical record storage VI-2	506	550	982 310
	*Reliability of provincial hospital staff to BMH VII-1	A	*Reliability of provincial hospital staff to BMH VII-1			81.7 scores 85 scores (conducted in Tuyen Quang hosp.)
	*Questionnaire to outpatient asking impression of BMH VII-2	A	*Questionnaire to outpatient asking impression of BMH VII-2			81.9%
	*No. of reply to referred cases VIII-1	A	*No. of reply to referred cases VIII-1	not yet started	735	1204 344
	*No. of examination request from outside institutions (Biochemistry) VIII-2	A	*No. of examination request from outside institutions (Biochemistry) VIII-2	840	1,440	3,240 1,850
	*No. of medical staff members who were trained in Bach Mai hospital and are working in medical institutions in the North VIII-3	A	*No. of medical staff members who were trained in Bach Mai hospital and are working in medical institutions in the North VIII-3	2,654	2,907	4,195 1,460

OUT PUT							
1. Hospital management							
1.1 General hospital management in BMH is improved	1.1 Average length of stay	B	1.1 Average length of stay	12.2	11.7	12.4	12.17
	*No. of people achieve diplomas	B	*No. of people achieve diplomas	10	13	8	NA
	*No of people accessed to the library	A	*No of people accessed to the library	2,156	2,320	6,922	5,478
	*Rate of nosocomial infection cases	A	*Rate of nosocomial infection cases	9.60%	NA	6.54%	
	*No.of IEC products (video, pamphlet)		*No.of IEC products (video, pamphlet)		10	20	13
	*No.of people accessed to the video library		*No.of people accessed to the video library			26 (in December)	46
	*No.of people accessed to medical storage	A	*No.of people accessed to medical storage	506	550	982	310
1.2 Hospital information system is improved	1.2. * No.of computer operator trained	A	1.2. * No.of computer operator trained		67	127	131
	*No.of missing medical record	B	*No.of missing medical record		4,000	2,600	1,700
	*Amount of uncollected hospital fee (in VND)	B	*Amount of uncollected hospital fee (in VND):	1,862,671,000	2,882,744,471	2,200,000,000	1,007,954,231
	*Patients' waiting time at OPD		*Patients' waiting time at OPD			77.381 minutes	
1.3 Management of medical materials and equipment is improved	1.3. *Operation ratio of ME	A	1.3. *Operation ratio of ME	92%	92.00%	94.00%	94.50%
	*No. of inspected and checked ME	B	*No. of inspected and checked ME	NA	197 (16.4/month)	350 (30/ month)	350 (30/month)
	*Rate of good operation after completion of repair	B	*Rate of good operation after completion of repair	92%	92.90%	94.20%	97%
1.4 Financial management is improved	1.4.*Average annual income per bed/staff	B	1.4.*Average annual income per bed (in VND)	34,300,000	35,400,000	39,600,000	22,886,370
		B	*Average annual income per staff (in VND)	10,000,000	11,200,000	12,200,000	6,400,000
	*Amount of uncollected hospital fee (in VND)	B	*Amount of uncollected hospital fee (in VND)	1,862,671,000	2,882,744,471	2,200,000,000	1,007,954,231
1.5 Pharmaceutical management is improved	1.5. *Amount of expired drugs		1.5. *Amount of expired drugs				NA
2. Clinical medicine							
2.1 Clinical techniques and skills in gastroenterology are updated	*Mortality rate		*Mortality rate	1.24%	0.94%	1.28%	0.90%
	*Total No.of leading diagnostic and treatment procedures		*Total No.of leading diagnostic and treatment procedures	6,396	7,076	14,361	5,225
	*No.of liver biopsy		*No.of liver biopsy			34	7
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				
	*No.of referred cases from other hospitals		*No.of referred cases from other hospitals	18	23	12	NA
	*No. of scientific papers		*No. of scientific papers	13	14	13	12
	*No.of clinical courses		*No.of clinical courses	4	2	3	2

	*No. of journal club		*No. of journal club	7	9	12	4
2.2. Clinical techniques and skills in emergency medicine/ICU are upgraded			Dept. of Emergency medicine (Established on April '01)				
	*Mortality rate		*Mortality rate			1.21%	1.28%
	*Total No. of diagnostic procedures		*Total No. of leading diagnostic and treatment procedures			7,983	7,537
	*Total No. of emergency cases	B	Total No. of emergency cases	2,785	5,604	9,436	4,045
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				
	*No. of referred cases from other hospitals		*No. of referred cases from other hospitals			980	325
	*No. of scientific papers		*No. of scientific papers			14	9
	*No. of clinical courses		*No. of clinical courses			4	11
	*No. of journal club		*No. of journal club			32	31
			ICU				
			* Mortality rate	9.10%	8.67%	12.55%	9.09%
			*Total No. of leading diagnostic and treatment procedures	3,752	2,253	3,620	2,019
		B	*No. of diagnostic procedures (transferred by Japan)				
			*Percentage of patient with correct diagnosis				
			*No. of referred cases from other hospitals	233	217	558	
			*No. of scientific papers	9	NA	10	8
			*No. of clinical courses	21	NA	15	8
			*No. of journal club	50	50	40	20
2.3. Clinical techniques and skills in pediatrics are upgraded	*Mortality rate		*Mortality rate	0.75%	1.07%	0.93%	0.78%
	*Total No. of leading diagnostic and treatment procedures	B	*Total No. of leading diagnostic and treatment procedures		486	2,047	934
	*No. of kidney biopsy		*No. of kidney biopsy				
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				
	*No. of referred cases from other hospitals		*No. of referred cases from other hospitals				
	*No. of scientific papers		*No. of scientific papers	2	3	8	4
	*No. of clinical courses		*No. of clinical courses	NA	1	9	4
	*No. of journal club		*No. of journal club	7	10	12	1
2.4. Clinical techniques and skills in surgery (abdominal) are upgraded							

2.5. Clinical techniques and skills in nephrourology are upgraded	*Mortality rate		*Mortality rate	0.70%	0.90%	0.84%	0.62%
	*Total No.of leading diagnostic and treatment procedures	B	*Total No.of leading diagnostic and treatment procedures	2,925	2,338	1,950	1,028
	* No.of kidney biopsy		* No.of kidney biopsy			49	80
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				
	*No.of referred cases from other hospitals		*No.of referred cases from other hospitals	39	31	271	309
	*No. of scientific papers		*No. of scientific papers	3	5	18	6
	*No.of clinical courses		*No.of clinical courses	2	3	2	1
	*No. of journal club		*No. of journal club	10	12	12	4
2.6. Clinical techniques and skills in pulmonology are upgraded	*Mortality rate		*Mortality rate	0.2%	0.1%	0.6%	0.2%
	*Total No.of leading diagnostic and treatment procedures	B	*Total No.of leading diagnostic and treatment procedures	1,288	1,276	2,523	1,586
	*No.of diagnostic procedures (transferred by Japan)		*No.of diagnostic procedures (transferred by Japan)				
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				
	*No.of referred cases from other hospitals		*No.of referred cases from other hospitals				
	*No. of scientific papers		*No. of scientific papers				5
	*No.of clinical courses		*No.of clinical courses				3
	*No. of journal club		*No. of journal club				4
2.7. Clinical techniques and skills in infectious and tropical diseases are upgraded	*Mortality rate		*Mortality rate	2.63%	1.74%	1.85%	1.17%
	*Total No.of leading diagnostic and treatment procedures		*Total No.of leading diagnostic and treatment procedures	4,192	4,539	6,883	4,501
	*No.of diagnostic procedures (transferred by Japan)	B	*No.of diagnostic procedures (transferred by Japan)				
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				
	*No.of referred cases from other hospitals		*No.of referred cases from other hospitals	62%	70%	76%	72%
	*No. of scientific papers		*No. of scientific papers	12	10	21	16
	*No.of clinical courses		*No.of clinical courses				10
	*No. of journal club		*No. of journal club	8	6	7	3
2.9. Clinical techniques and skills in anesthesia are upgraded	*Mortality rate		*Mortality rate			1 ⁰ / _∞	1 ⁰ / _∞
	*Total No.of leading diagnostic and treatment procedures		*Total No.of leading diagnostic and treatment procedures			4,155	3,095

	*No. of diagnostic procedures (transferred by Japan)	B	*No. of diagnostic procedures (transferred by Japan)				
	*Percentage of patient with correct diagnosis		*Percentage of patient with correct diagnosis				NA
	*No. of referred cases from other hospitals		*No. of referred cases from other hospitals				NA
	*No. of scientific papers		*No. of scientific papers				NA
	*No. of clinical courses		*No. of clinical courses				NA
	*No. of journal club		*No. of journal club				NA
2.10. Clinical techniques and skills in cardiology (internal) are upgraded							
2.11. Clinical techniques and skills in diabetes mellitus are upgraded							
3. Nursing care							
3.1. Nursing management and service are improved	3.1.*Score of nursing care test (conducted at Gastroenterology dept.)	A	3.1.*Score of nursing care test (conducted at Gastroenterology dept.)	NA	NA	87 scores	
	*Result of patient's satisfaction test	A	*Result of patient's satisfaction test	NA	NA	82.21	
3.2. Training function in collaboration with nursing school is improved	3.2. *No. of training courses for nurses		*No. of training courses for nurses	7	11	19	7
4. Clinical laboratories							
4.1. Management and skills in clinical laboratories are improved	*No. of examination request from outside institutions	A	*No. of examination request from outside institutions	840	1,440	3,240	1,850
	* Total No. of laboratory examinations		* Total No. of laboratory examinations	419,695	503,322	871,534	648,033
	*Rate of re-examination	B	*Rate of re-examination	5%	4%	1.10%	0.63%
	*Result of quality control	A	*Result of quality control	NA	NA	99.75%	99.75%
5. Community medicine							
5.1. DOHA activities function	5.1.*No. of reply to referral cases	A	5.1.*No. of reply to referral cases	not yet started	735	1,204	344
	*No. of training courses	B	*No. of training courses	79	70	80	17
	*No. of trainees	B	*No. of trainees	2,654	2,907	4,195	1,460
	*No. of trainers dispatched from BMH to provincial and lower level institutions		*No. of trainers dispatched from BMH to provincial and lower level institutions	412 (turns of staff)	375 (turns of staff)	450 (turns of staff)	92 (turns of staff)
	*No. of medical staff in provincial and lower level institutions applying the techniques and skills transferred by BMH	B	*No. of medical staff in provincial and lower level institutions applying the techniques and skills transferred by BMH	2,654	2,907	4,195	1,460

Indicators: Basic information and Activities of Clinical Department
Department of Tropical disease

		1999	2000	2001	2002 (~June)
1	No. of bed	100	120	120	120
2	No. of doctors	27	27	28	28
3	No. of nurses	44	42	45	45
4	Bed occupancy rate	52.0%	85.0%	101.58%	99.8%
5	Mortality rate	2.63%	1.74%	1.85%	1.17%
6	No. of out-patients (consultation at OPD)	4,481	5,670	7,113	4,612
7	No. of in-patients	2,616	2,569	3,483	1,955
8	No. of referral cases from other hospitals	~62%	~70%	76%	72%
9	No. of scientific papers	12	10	21	16
10	No. of training courses			14	10
11	No. of trainees			616	386
12	No. of journal club and case conferences	8	6	7	3

Clinical Procedures of Department (Institute) Dept. Inst.): Tropical disease

Please describe information of leading procedures following the example

		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	Echogram	2,458	5	2,645	6	2,946	6	1,627	8
2	ECG	236	7	218	7	320	10	402	12
3	CD4, CD8 count	250	3	300	3	600	6	420	6
4	Lumbar puncture	1,236	20	1,361	22	1,544	25	835	25
5	Pleuralcentesis								
6	Peritoneocentesis								
7	Liver biopsy	12	3	15	3	21	3	5	3
8	X ray					1,440	3	1,207	3
9	Aspiration of liver abscess					12	4	5	3
10									

Clinical Procedures of Department (Institute) Dept. Inst.): Anesthesia

Please describe information of leading procedures following the example

		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	General Anesthesia					3,025	10	1,952	10
2	Spinal Anesthesia					1,003	10	957	10
3	Epidural Anesthesia					2	3	3	3
4	Bronchial Plexure Anesthesia					10	3	10	3
5	Intravenous Regional Anesthesia					10	4	12	4
6	Central Venous Catheterization					70	10	63	10
7	Tracheostomy					20	4	27	4
8	One lung Ventilation Anesthesia					10	5	70	5
9	Cardiac arrest Resuscitation					5	10	1	10
10									

Indicators: Basic information and Activities of Clinical Department
Department of Anesthesia

		1999	2000	2001	2002 (~June)
1	No. of bed			15	15
2	No. of doctors			9	10
3	No. of nurses			36	36
4	Bed occupancy rate			100%	146.67%
5	Mortality rate			1‰	1‰
6	No. of out-patients				2,142
7	No. of in-patients				
8	No. of referral cases from other hospitals				
9	No. of scientific papers				
10	No. of training courses				
11	No. of trainees				
12	No. of journal club and case conferences				

Indicators: Basic information and Activities of Clinical Department
Department of Gastroenterology

		1999	2000	2001	2002 (~June)
1	No. of bed	35	35	50	50
2	No. of doctors	23	25	24.00%	24
3	No. of nurses	17	18	16.00%	20
4	Bed occupancy rate	163.5%	188.3%	156.68%	163.2%
5	Mortality rate	0.80%	0.9%	1.28%	0.9%
6	No. of out-patients (consultation at OPD)			10,822	4,585
7	No. of in-patients	1,342	1,571	2,117	1,183
8	No. of referral cases from other hospitals	18	23	12	
9	No. of scientific papers	13	14	13	12
10	No. of training courses	4	2	3	2
11	No. of trainees	45	40	>100	67
12	No. of journal club and case conferences	7	9	12	4

Clinical Procedures of Department (Institute) Dept. Inst.): Gastroenterology

Please describe information of leading procedures following the example

		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who	Total No. performed	No. of Doctors who	Total No. performed	No. of Doctors who can	Total No. performed	No. of Doctors who can
\$	Example; Cardiac echogram								
1	Fibroscope (Gastroscopy)	2,678		3,000		3,590		665	8
2	Colonoscopy	173		265		456		185	5
3	ERCP	59		64		72		22	4
4	Echoendoscopy	71		65		48		23	2
5	Ultrasonography	2,932		3,200		9,670		4,003	8
6	Polypectomy	8		7		11		3	3
7	Hemostasis	42		38		38		27	8
8	Esovariceal ligation	39		41		48		69	8
9	Laparoscopy	68		72		128		37	16
10	Liver biopsy	28		32		34		7	4
11	Percutaneous transhepatic cholangiogram	15		18		6		5	2
12	Needle aspiration	163		156		182		73	4
13	Abcess aspiration	81		75		43		89	4
14	Hepatic cyst aspiration	39		43		35		17	4

Indicators: Basic information and Activities of Clinical Department
Department of Pulmonology

		1999	2000	2001	2002 (~June)
1	No. of bed	35	35	50	50
2	No. of doctors			9	12
3	No. of nurses			16	16
4	Bed occupancy rate	98.0%	115.7%	116.45%	141.07%
5	Mortality rate	0.2%	0.1%	0.6%	0.2%
6	No. of out-patients (consultation at OPD)	3,618	2,909	3,900	2,376
7	No. of in-patients	876	1,103	1,599	1,067
8	No. of referral cases from other hospitals				
9	No. of scientific papers				5
10	No. of training courses				3
11	No. of trainees				70
12	No. of journal club and case conferences				4

Clinical Procedures of Department (Institute) Dept. Inst.): Pulmonology

Please describe information of leading procedures following the example

		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	Bronchoscopy	81		102		309		201	4
2	Thoracentesis	855		720		1,097		573	12
3	Pleural biopsy	0		30		85		97	12
4	Thoracostomy (tube)	15		14		20		11	12
5	Lymph node biopsy	8		28		10		8	10
6	Intubation (tracheal tube)	0		0		4		20	10
7	Respiratory function	278		278		902		574	12
8	Fine-needle aspiration of thoracic tumor	16		64		26		17	12
9	Percutaneous lung biopsy	0		0		40		40	3
10	Central venous catheterization	35		40		50		45	12

Clinical Procedures of Department (Institute) Dept. Inst.): Nephrourology

Please describe information of leading procedures following the example

		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	Kidney ultrasonography	2,477	5	1,726	5	1,097	7	740	9
2	Kidney biopsy	36	5	43	4	49	5	80	9
3	Cystoscopy	116	9	121	9	251	9	20	9
4	Retrograde urography	36	4	8	3	11	5	0	5
5	Intravenous urography	258	13	305	11	417	14	166	13
6	Bladder biopsy	0		0		51	6	5	6
7	Antegrade pyelography	0	0	9	3	14	4	2	4
8	Antegrade cystography	0	0	105	1	42	3	10	3
9	Peritoneal dialysis	2	4	3	4	3	4	0	4
10	Cyst aspiration	0	0	17	2	15	3	5	3

Indicators: Basic information and Activities of Clinical Department
Department of Nephrourology

		1999	2000	2001	2002 (~June)
1	No. of bed	35	35	50	50
2	No. of doctors	13	11	13	13
3	No. of nurses	19	19	19	19
4	Bed occupancy rate	180.8%	191.7%	164.50%	156.85%
5	Mortality rate	0.70%	0.9%	0.84%	0.62%
6	No. of out-patients	4,607	4,926	6,297	3,631
7	No. of in-patients	1,159	1,242	1,094	892
8	No. of referral cases from other hospitals	39	31	271	309
9	No. of scientific papers	3	5	18	6
10	No. of training courses	2	3	2	1
11	No. of trainees		70	80	35
12	No. of journal club and case conferences	10	12	12	4

Indicators: Basic information and Activities of Clinical Department
Department of Pediatrics

		1999	2000	2001	2002 (~June)
1	No. of bed	40	40	50	50
2	No. of doctors	11	12	14	14
3	No. of nurses	20	20	20	18
4	Bed occupancy rate	103.0%	102.0%	100.12%	102.42%
5	Mortality rate	0.75%	1.07%	0.93%	0.78%
6	No. of out-patients (consultation at OPD)	12,851	10,368	17,204	8,721
7	No. of in-patients	1,232	1,346	1,978	1,088
8	No. of referral cases from other hospitals				
9	No. of scientific papers	2	3	7	4
10	No. of training courses	0	1	9	4
11	No. of trainees	0	32	396	80
12	No. of journal club and case conferences	7	18	9	1

Clinical Procedures of Department (Institute) Dept. Inst.): Pediatrics

Please describe information of leading procedures following the example

		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	Ultrasonography (cardiac & abdominal)			172	3	693	3	354	3
2	ECG			314	8	1,012	8	388	8
3	Lumbar puncture					305	8	143	8
4	Intubation					15	5		
5	Invasive-non invasive ventilator					8	6	21	7
6	Pericardiocentesis					10	3		
7	Peritoneocentesis					12		23	10
8	Other							5	7
9									
10									

Clinical Procedures of Department (Institute) Dept. Inst.): ICU

Please describe information of leading procedures following the example

		1999		2000		2001		2002	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	Ventilation	1,014	13	457	10	575	14	339	14
2	Central Venous Catheterization	297	13	205	10	264	14	90	14
3	Intubation	293	13	247	10	307	14	175	14
4	Tracheostomy	116	13	82	10	113	14	53	10
5	Chest tube	108	13	31	10	45	14	66	6
6	Bedside Chest X ray	1,125	13	1,094	10	1,428	14	617	10
7	Bronchoscopy	99	2	60	2	147	2	72	2
8	Gastroscopy	103	2	73	2	99	2	19	2
9	Temporary Pacemaker	5	13	4	10	5	6		
10	Cardiac, abdomen echography	600	1		1	300	2	350	2
11	Emergency hemodialysis					192	3	184	2
12	Lumbar puncture					126	14	44	10
13	Swan-Ganz Catheterization					10	4	10	3
14	Thoracostomy					54	14		

**Indicators: Basic information and Activities of Clinical Department
Department of ICU**

		1999	2000	2001	2002 (~June)
1	No. of bed	16	16	30	30
2	No. of doctors	13	10	6	6
3	No. of nurses	39	18	29	3
4	Bed occupancy rate	152.7%	119.2%	80.30%	97.78%
5	Mortality rate	9.1%	8.67%	12.55%	9.09%
6	No. of out-patients	679	594	214	44
7	No. of in-patients	647	563	790	499
8	No. of referral cases from other hospitals	233	217	558	
9	No. of scientific papers	9		10	8
10	No. of training courses	21		15	8
11	No. of trainees	579		289	160
12	No. of journal club and case conferences	50	50	40	20

Indicators: Basic information and Activities of Clinical Department
Department of Emergency

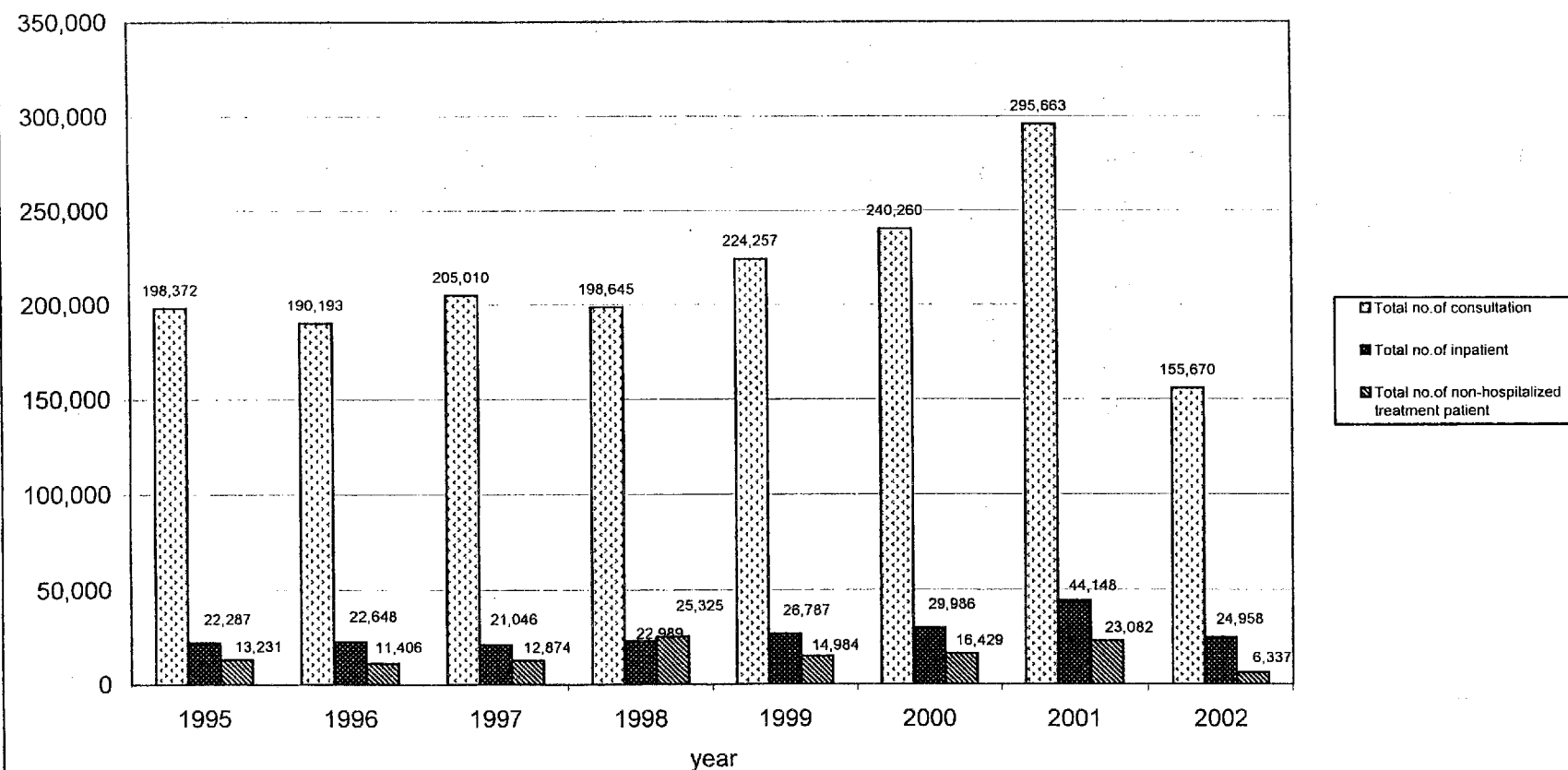
		1999	2000	2001(~Apr. to Dec)	2002 (~June)
1	No. of bed			20	20
2	No. of doctors			10	11
3	No. of nurses			17	25
4	Bed occupancy rate			197.14%	236.92%
5	Mortality rate			1.21%	1.28%
6	No. of out-patients			12,554	10,071
7	No. of in-patients			4,995	4,156
8	No. of referral cases from other hospitals			980	325
9	No. of scientific papers			14	9
10	No. of training courses			4	11
11	No. of trainees			255	285
12	No. of journal club and case conferences			32	31

Clinical Procedures of Department (Institute) Dept. Inst.): Emergency

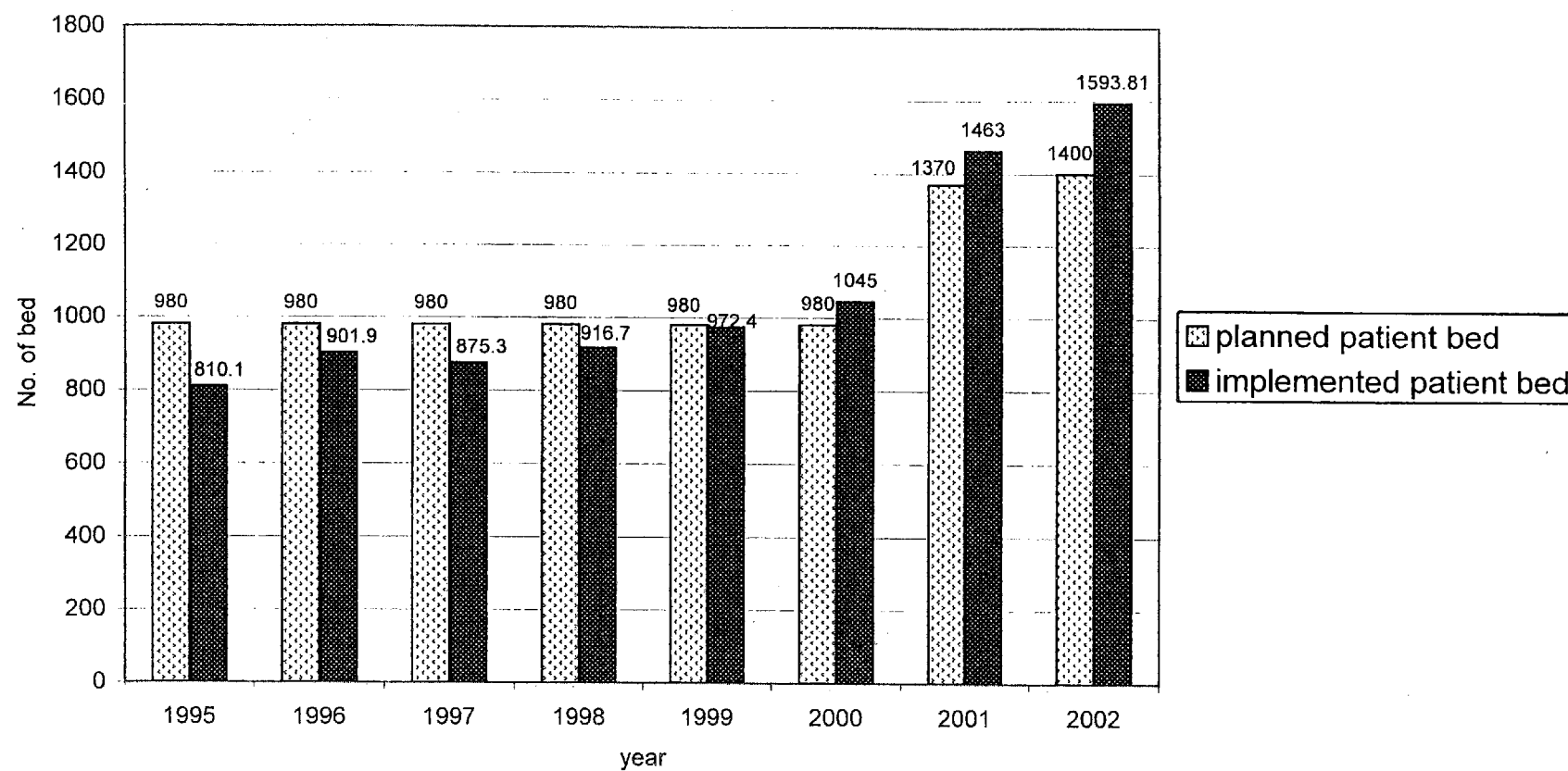
Please describe information of leading procedures following the example

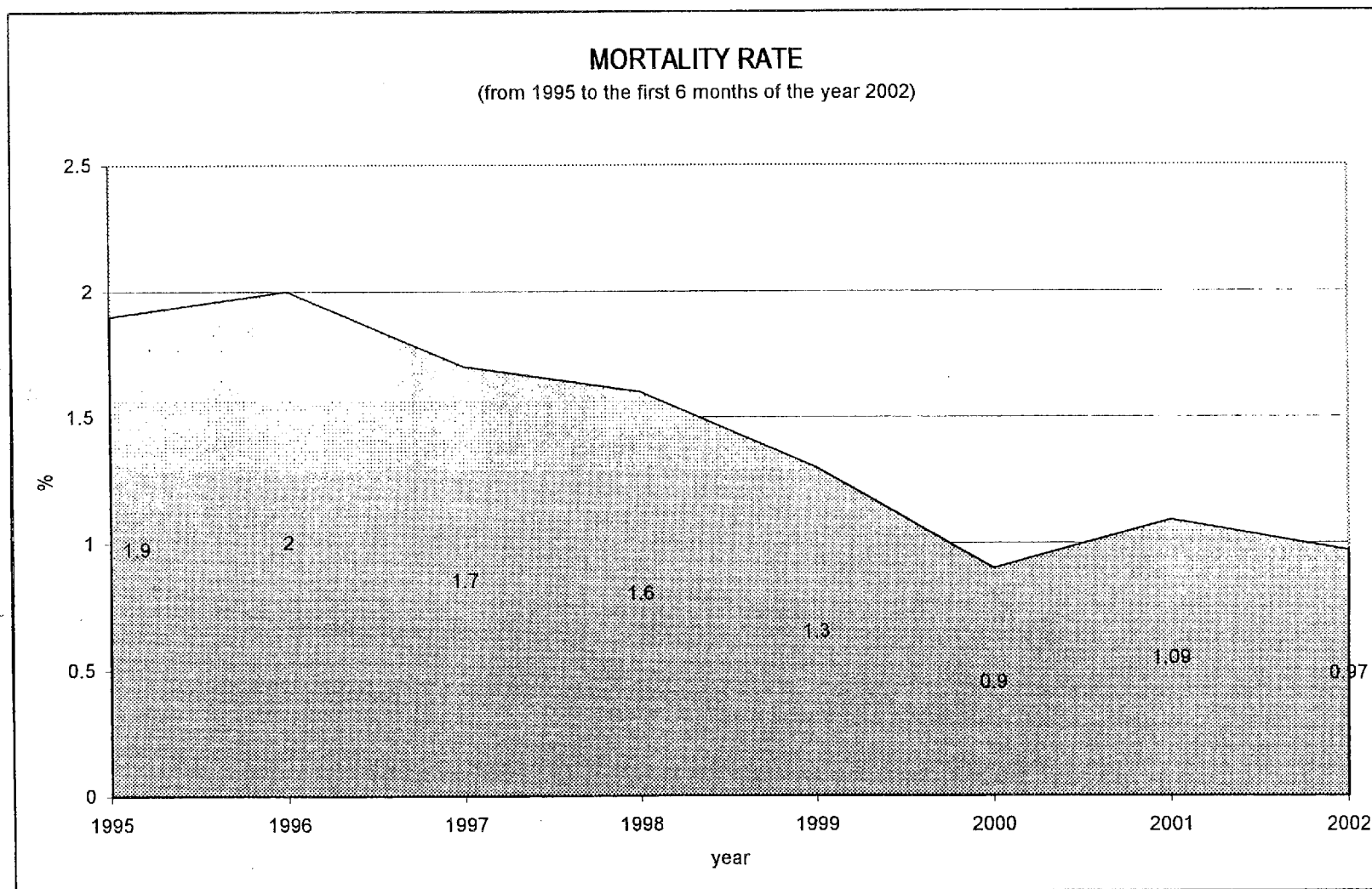
		1999		2000		2001		2002 (~June)	
	Procedures	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform	Total No. performed	No. of Doctors who can perform
\$	Example; Cardiac echogram								
1	Chest X ray					970	11	407	11
2	Electric shock (defibrillation)					400	11	120	11
3	ECG					5,000	11	5,460	11
4	Blood gas analysis					400	11	193	11
5	Artificial ventilation					520	11	265	11
6	Intubation					500	11	362	11
7	Urgent Tracheostomy					35	11	18	11
8	Pace maker (Internal - External)					12	11	7	11
9	Gastrofibroscopy-stasis					55	2	95	3
10	Bronchoscopy+lavage					22	1	45	2
11	Chest tube					65	11	39	11
12	Thoracostomy					4	0	0	0
13	Cardioechography					2,000	8	526	5

CONSULTATION AND TREATMENT ACTIVITY (from 1999 to the first 6 months of the year 2002)



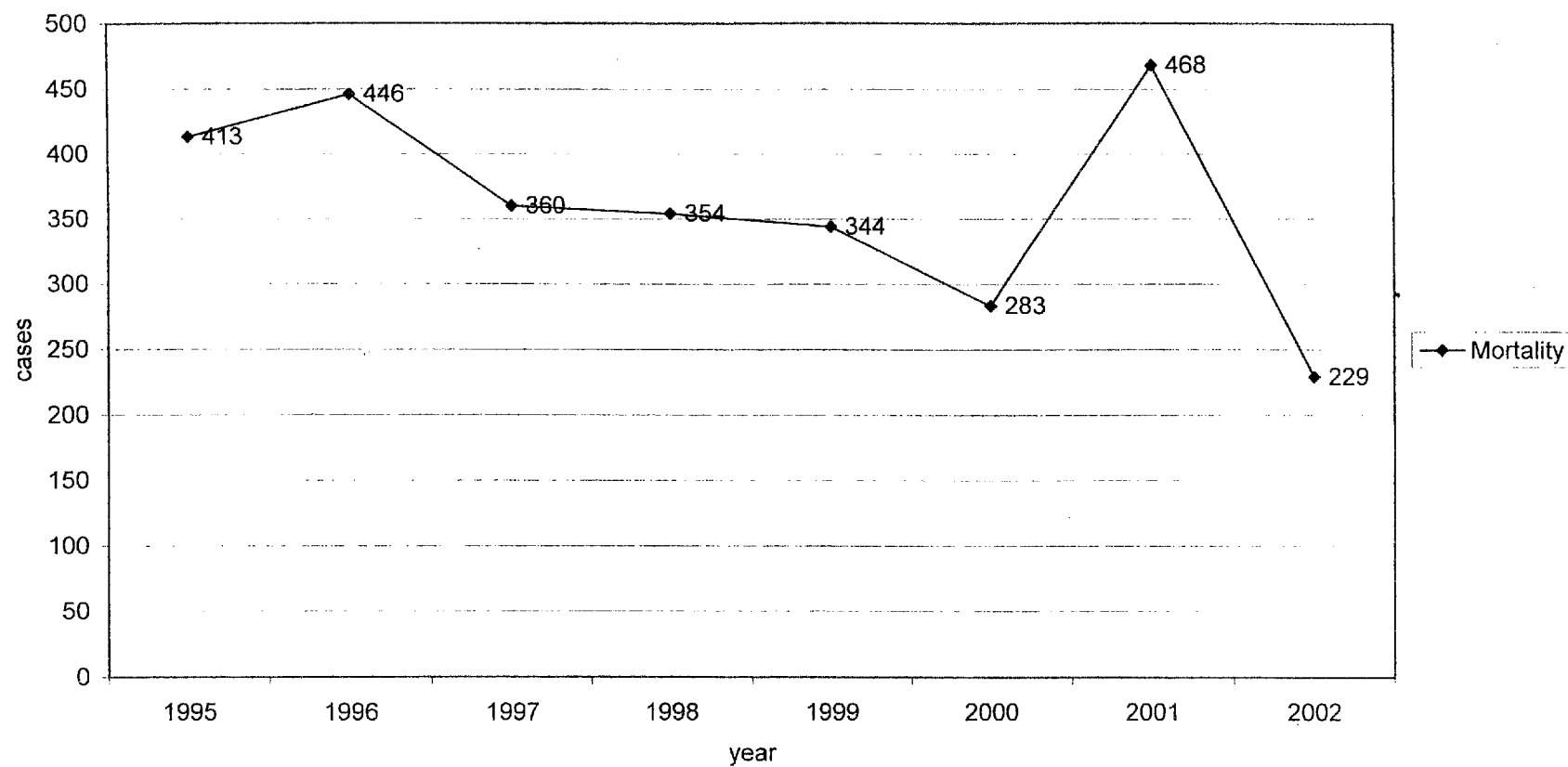
BED OCCUPANCY
(from 1995 to the first 6 months of the year 2002)



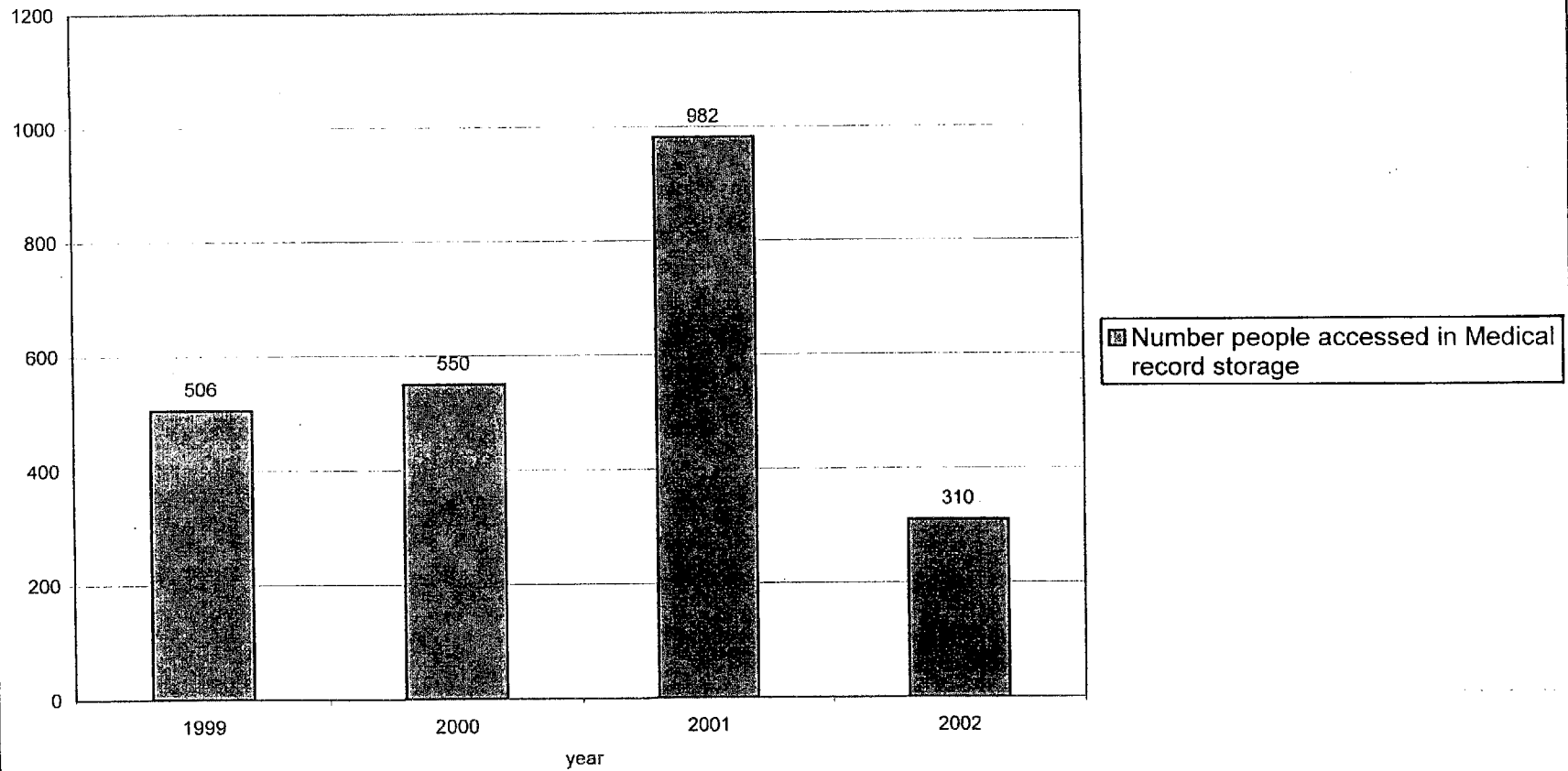


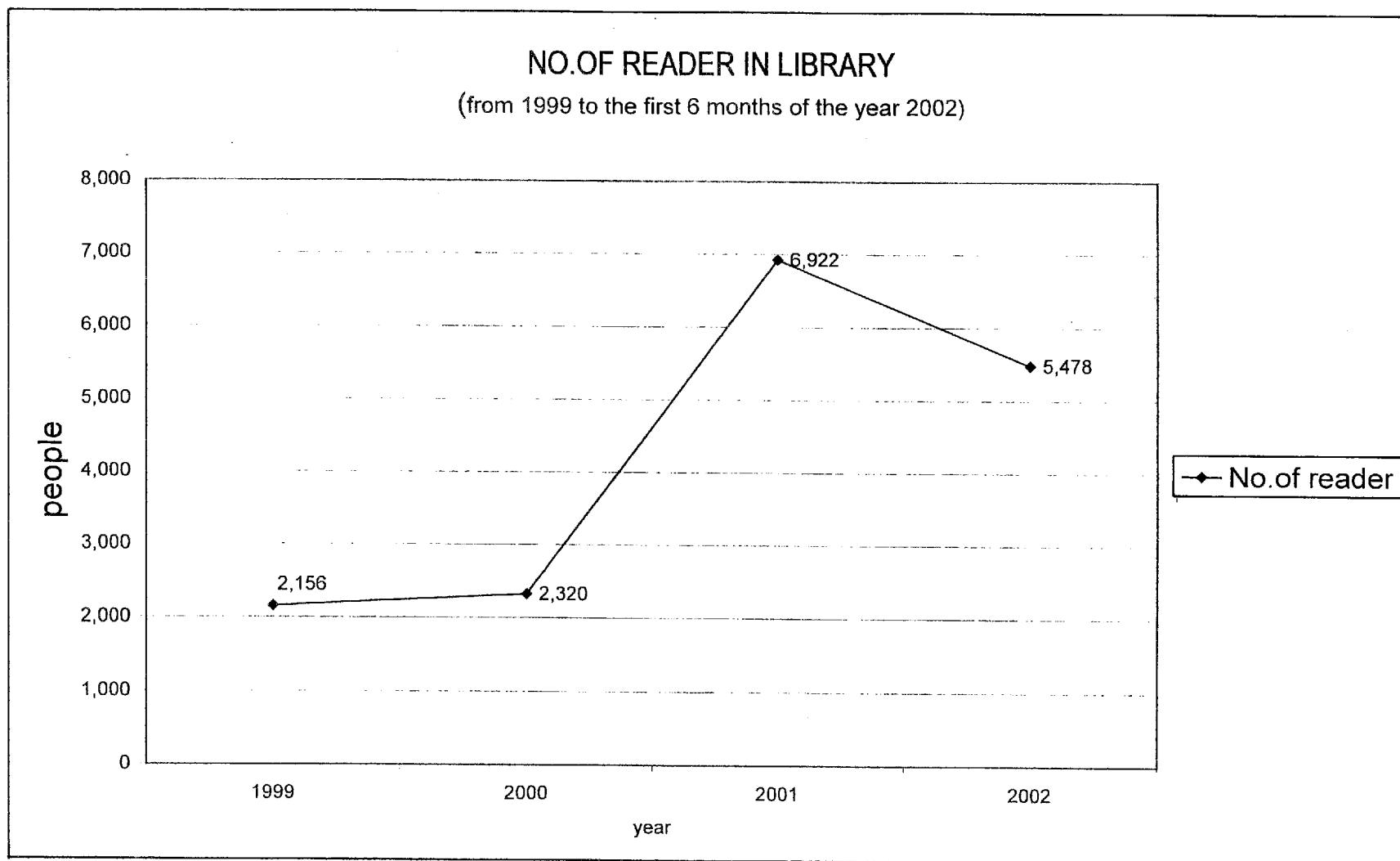
MORTALITY SITUATION

(from 1999 to the first 6 months of the year 2002)

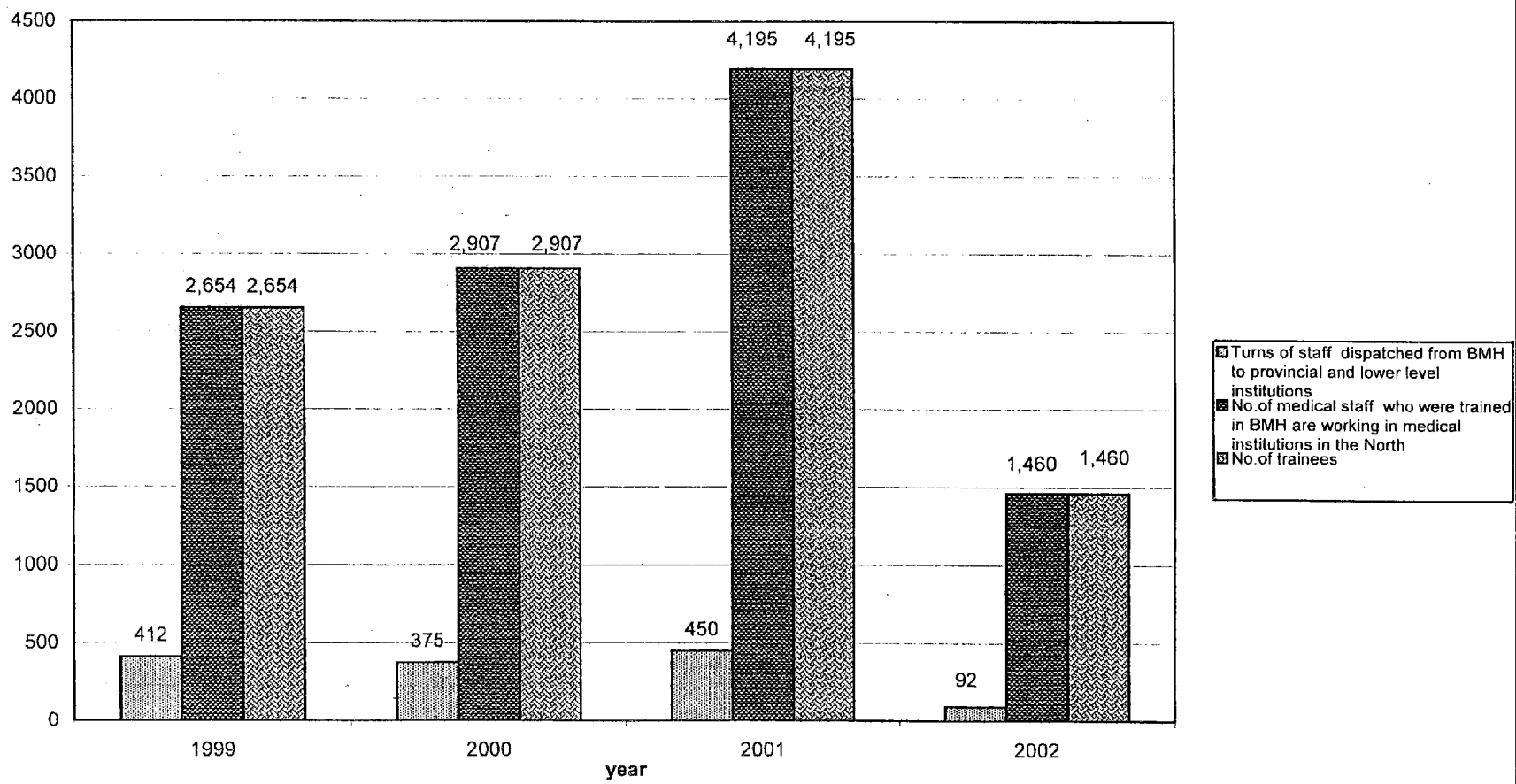


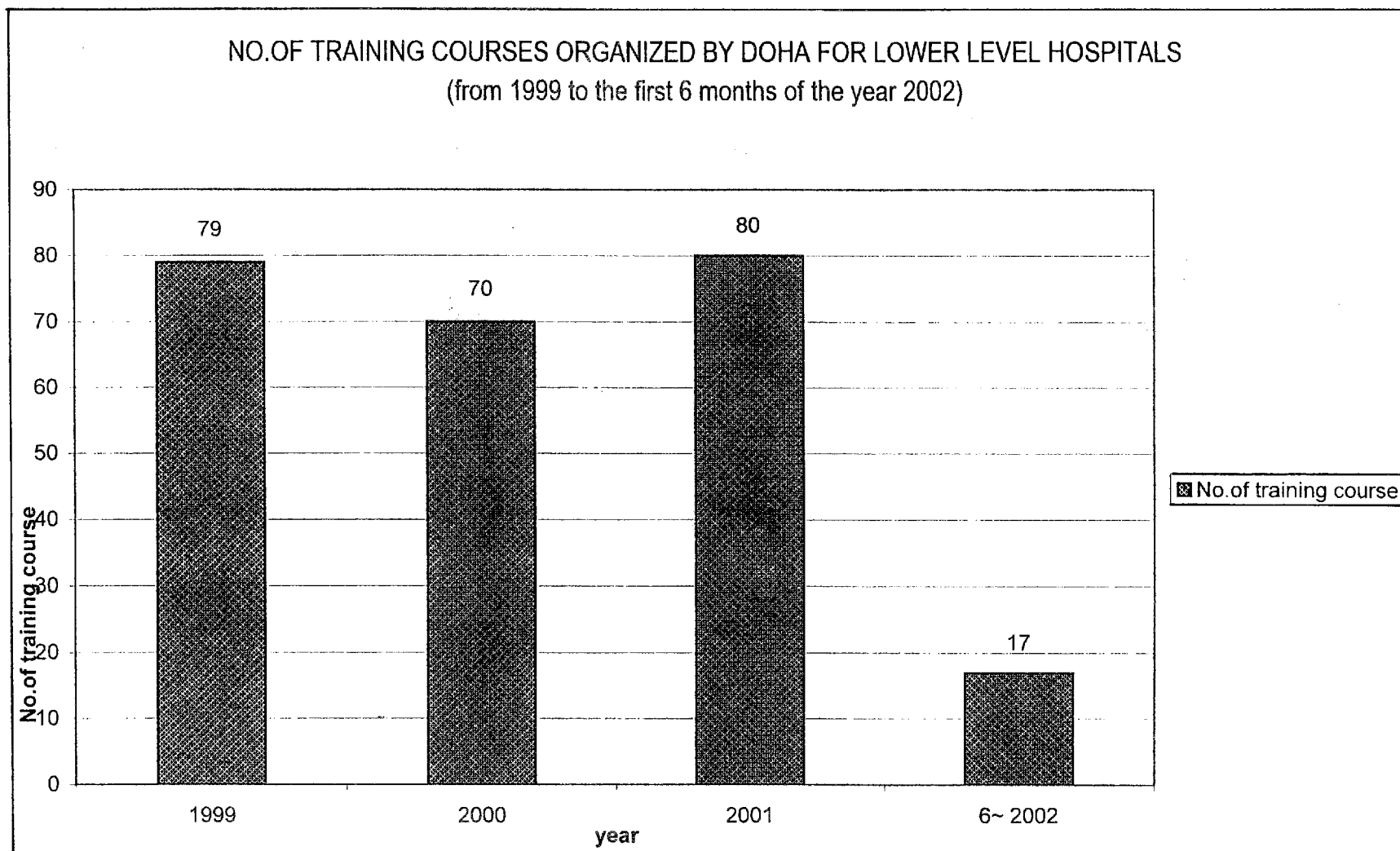
NUMBER PEOPLE ACCESSED IN MEDICAL RECORD STORAGE
(from 1999 to the year 2002)



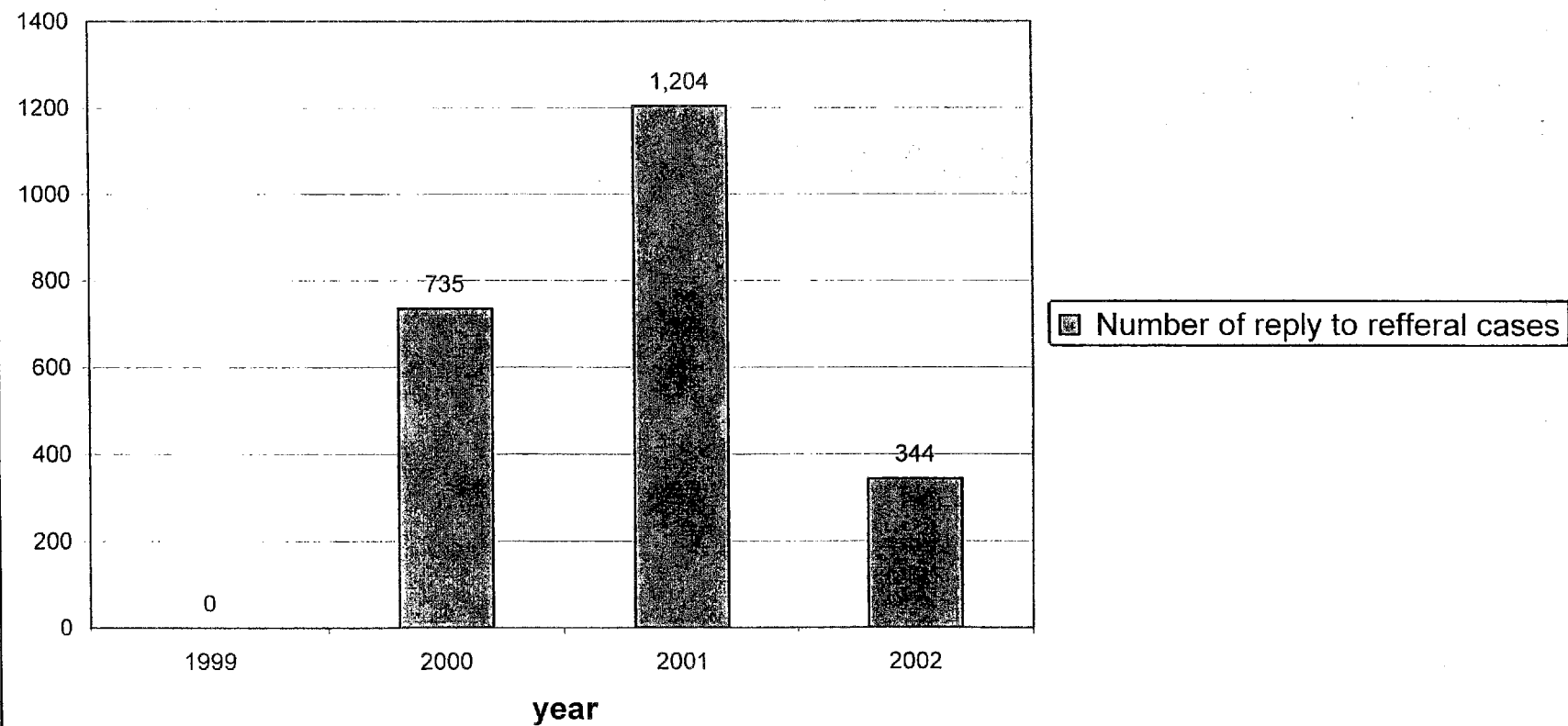


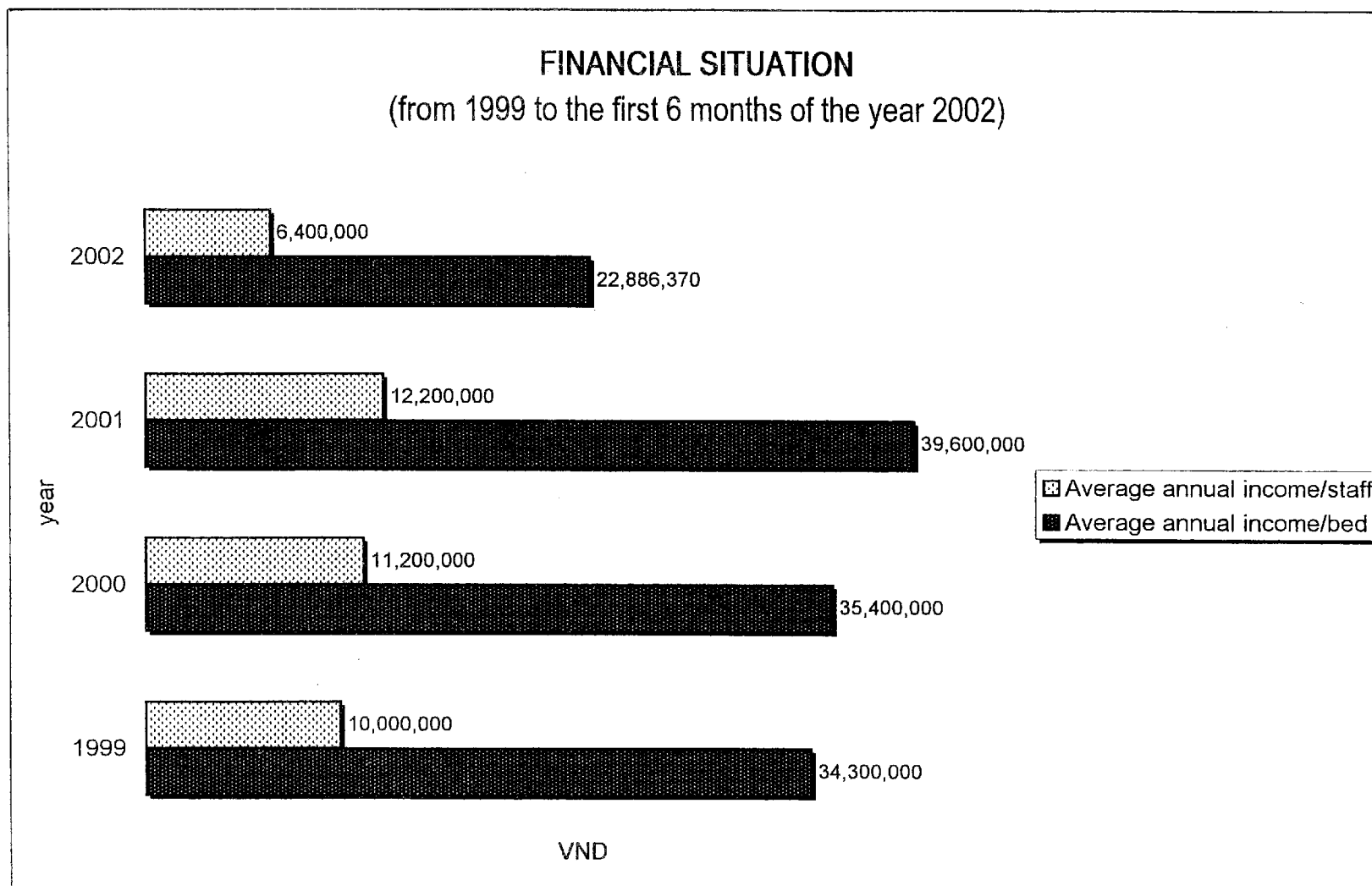
DOHA ACTIVITIES
(from 1999 to the first 6 months of the year 2002)



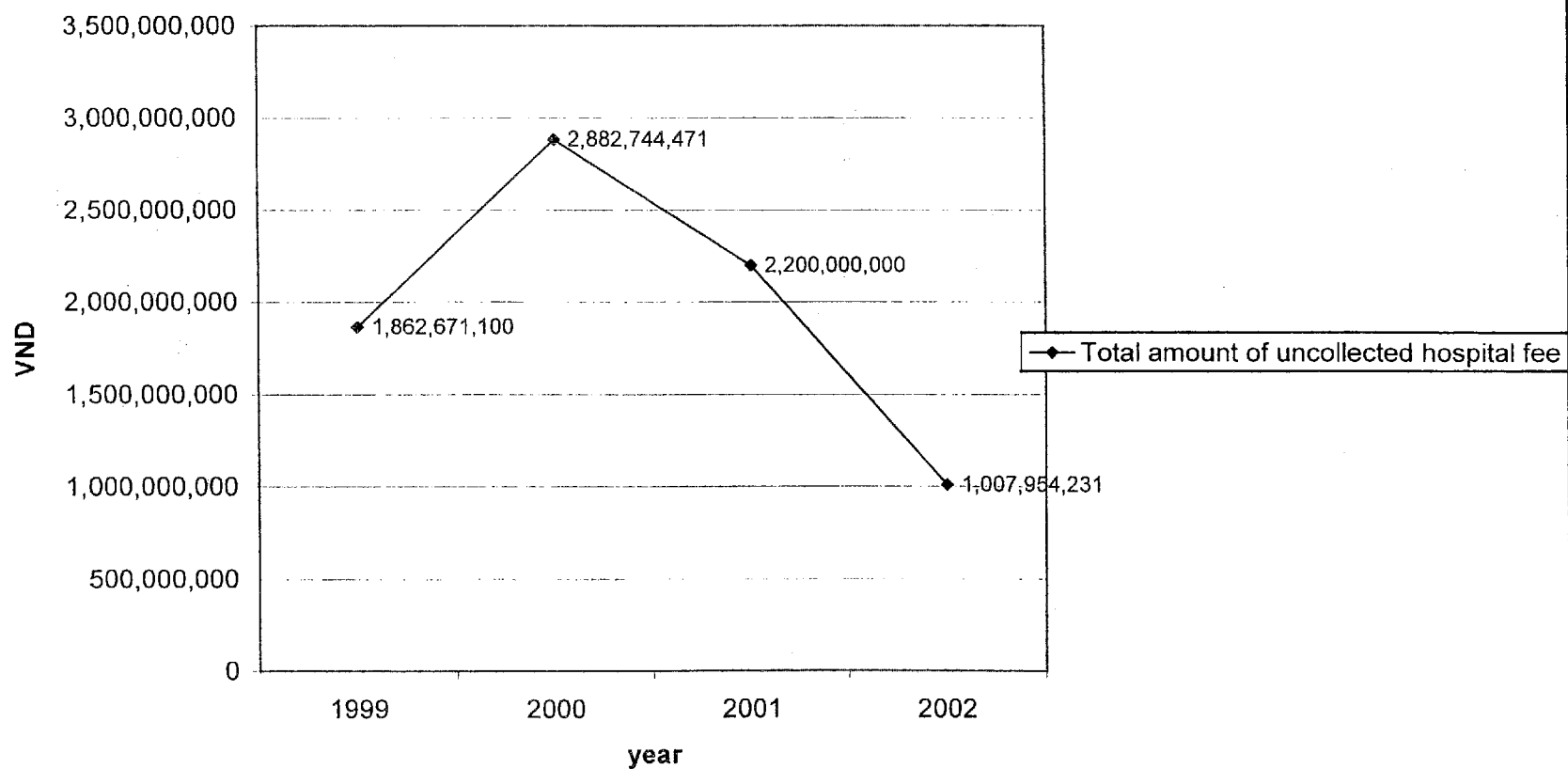


NUMBER OF REPLY TO REFFERAL CASES
(From 1999 to the first 6 months of the year 2002)

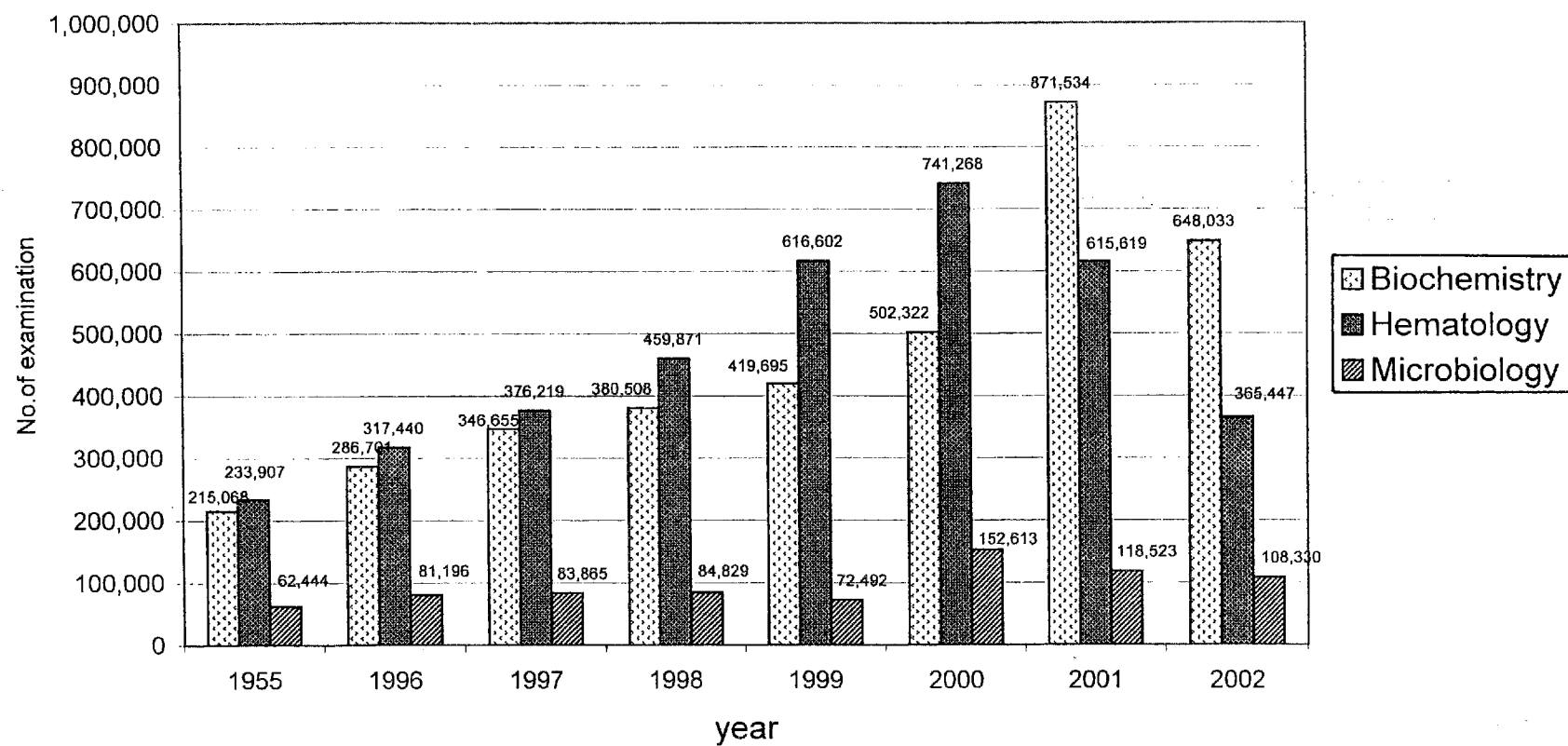




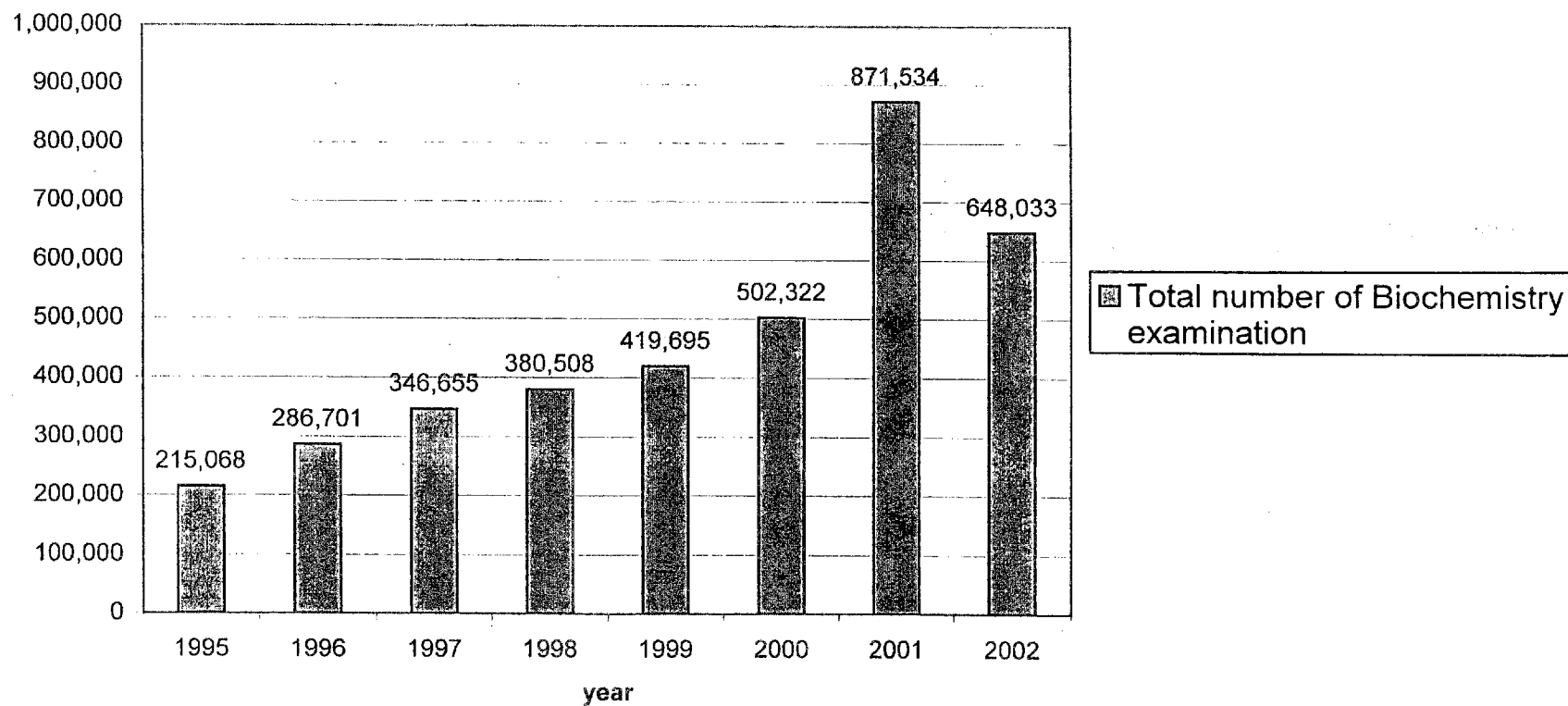
TOTAL AMOUNT OF UNCOLLECTED HOSPITAL FEE
(From 1999 to the first 6 months of the year 2002)



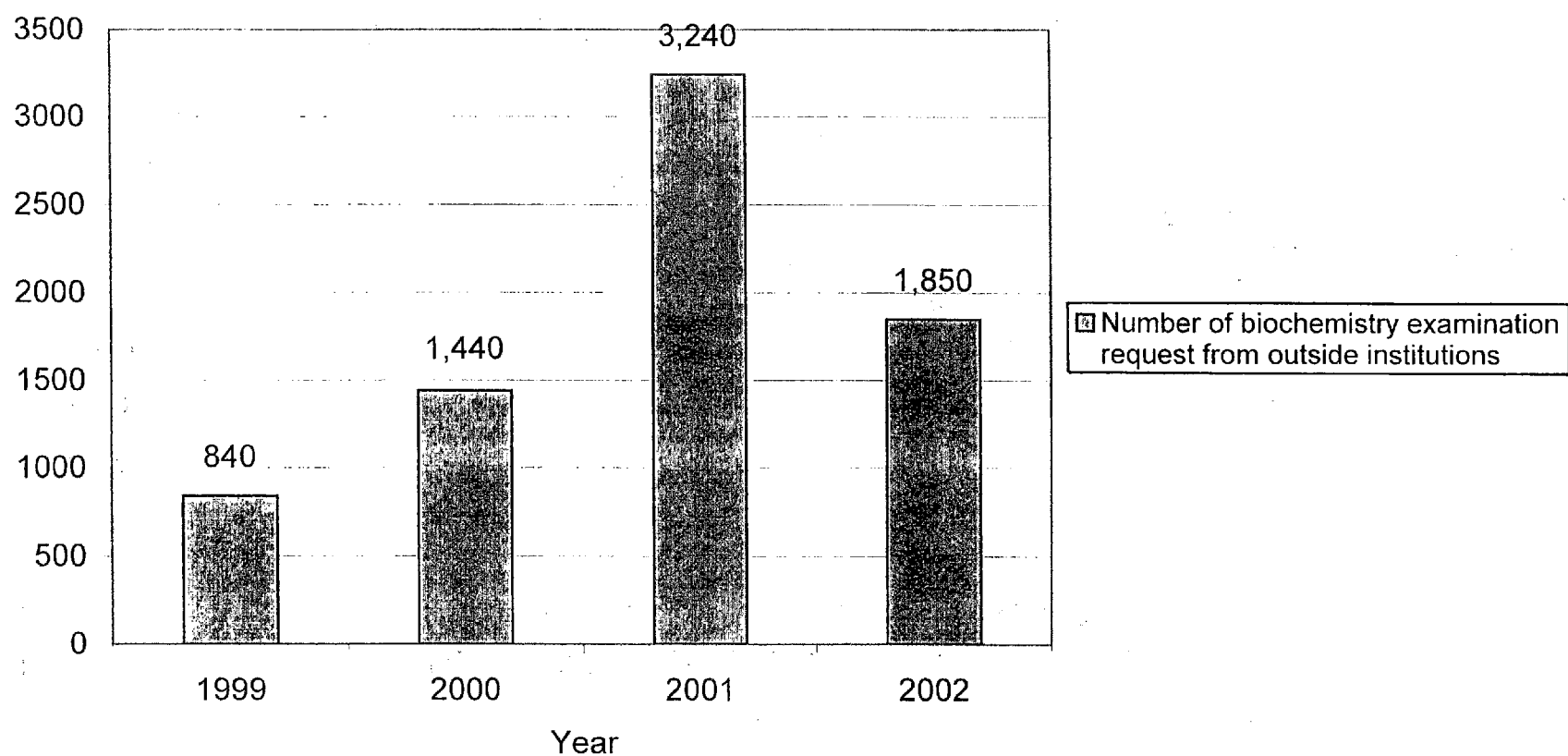
PARA-CLINICAL ACTIVITY (from 1995 to the first 6 months of the year 2002)

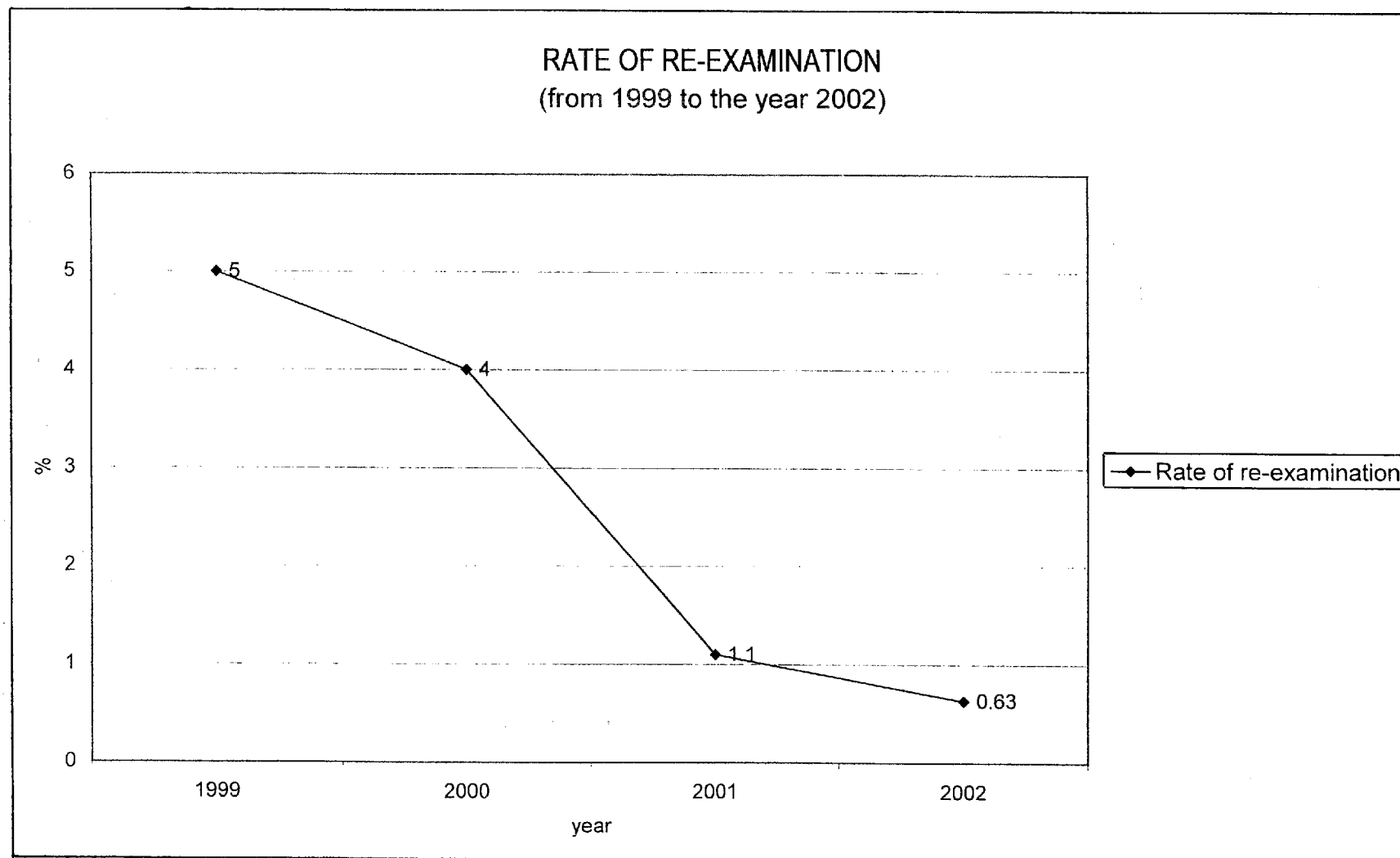


TOTAL NUMBER OF BIOCHEMISTRY EXAMINATION (From 1999 to the first 6 months of the year 2002)

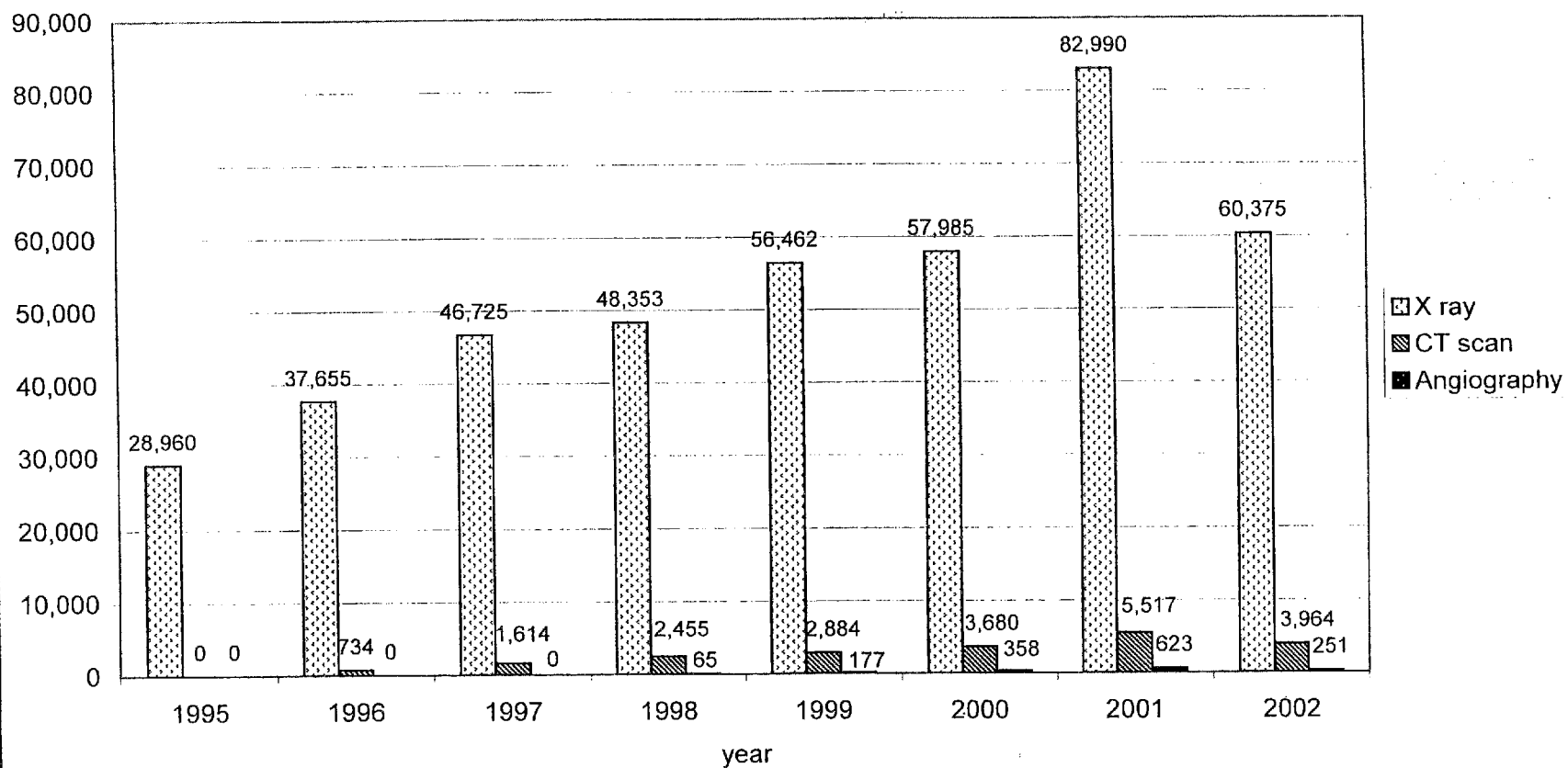


NUMBER OF EXAMINATION REQUEST FROM OUTSIDE INSTITUTIONS
(From 1999 to the first 6 months of the year 2002)





IMMAGINING DIAGNOSTIC ACTIVITY (from 1999 to the first 6 months of the year 2002)



FUNCTIONAL EXAMINATION ACTIVITY

(from 1995 to the first 6 months of the year 2002)

