







Efficiency

Relationship between the results obtained and the resources utilized



Monitoring

- Identifying deviations from the established plan and finding quick practical solutions
- An on-going process of reviewing a program's or project activities to determine whether set standards or requirements are being met

Supervision

Supervision is the process of guiding, supporting and assisting staff to perform well in carrying out their assigned tasks

Why we should monitor

- Monitoring provides feedback of our efforts
- It helps to understand whether we are on the right track
- It helps to take necessary corrective solutions

Methods of Monitoring & Supervision

- Observation
- Communication with staff
- Communication with clients and community
- Review of records

Monitoring & Information

- Monitoring is about collecting information that will help you answer questions about your project.
- Information should be collected in a planned, organized and routine way.
- Compile the information to answer questions such as:
 - how well are we doing?
 - are we doing the right things?
 - what difference are we making?













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Steps in Monitoring

- Select Indicators
- Develop Standards
- Collect data/ information to measure
- Analyze to measure performance
- Compare against established plan
- Take corrective actions- decisions

Indicator

- Indicators are standardized measures to compare status or performance
- Can identify change in situation

Expected level of achievement History Statistical Need Based

Standards that some one has achieved

How do you decide Indicators • In line with the Objective of the program/project • Select Input, Process, Output, Outcome Indicators (eg. using Logical Frame-Work) • Target & Achievement Trends & Growth • Impact of Changes or Improvements • Difficult Activities • Problems & Exceptions Complaint Variable





Areas of concern	Indicator
Input Infrastructure Organization Equipment Staff Materials	No. of OT with full facilities No. of qualified staff No. of materials stocked
Process	No. of patients examined
Examination	No. of patients operated
Surgery	No. of patients given counseling
Counseling	No. of children screened
School children screening	No. of children have eye problem
Output	No. of problem cases Vs No. of pts. Examined
People who got examined	No. patients examined by each doctor
People who got operated	Counselor Vs No. of cases counseled ,
People who received counseling	accepted
School children who were	Complication rate by doctor, surgical procedure
examined	Children with problem / no. of children





Input-

- No of centers with full staff in position
- No of centers with functional OT
- No of centers with uninterrupted supply of electricity

Process: It is a set of activities in which program resources are used to achieve the expected results

- Screening
- Outpatient clinics
- Vision correction
- Surgeries
- School health checkup
- Vitamin A supplementation

Developing Indicators

Process Diagnosis

- Number of people screened
- Number of people identified with visual impairment
- Number of people found fit for surgery

Output (Immediate results obtained by the program through the execution of activities)

Treatment

- Number of people treated
- Number of people operated
- Number of patients received glasses
- Number of patients referred to basehospital

Outcome

- Number of people got vision corrected/ restored
- Number of complications/ surgeon
- Number of complications/ center
- Client satisfaction

Individual's Performance

- Number of people screened / worker
- Number of people diagnosed/ worker
- Number of people operated/ surgeon
- Number of complications/ surgeon

Equipment utilization

- No of procedures/ OT
- No of procedures/ machine
- No of patients transported/ vehicle

Quantitative Vs Qualitative

- Number of OTs vs Number of OTs with aseptic conditions
- Number of staff vs number of competent staff
- No. of people operated vs No. of people whose vision is restored
- No. of people operated vs No. of complications

Continue

Μ	IIS Indica	tors Quad	rant	
	Effectiveness			
	Hi	Excessive Input Poor System	Adequate Input Good System	
	Low	Low input Poor System	Low input Good system	
	k		Efficient	





Ou	tpatients Arri	ival Patte	rn			
	Ara Patient Arriv	wind Eye Hospital - al Pattern Statistics	Madura From	ui 01/03/2007 To	30/03/20	07 07
	Time	New	Review	Total	%	
	06.00 A.M - 07.00 A.M	12	1023	1035	3.24	
	07.00 A.M - 08.00 A.M	1605	1136	2741	8.59	
	08.00 A.M - 09.00 A.M	1672	1655	3327	10.4	
						77%
	12:00 P.M - 01.00 P.M	1207	1357	2564	8.03	
	01:00 P.M - 02.00 P.M	719	1003	1722	5.39	
	02:00 P.M - 03:00 P.M	776	1513	2289	7.17	23%
	03:00 P.M - 04:00 P.M	777	1235	2012	6.30	
	04:00 P.M - 05:00 P.M	463	508	971	3.04	
	05:00 P.M - 06:00 P.M	131	112	243	0.76	
\sim	After 6:00 P.M	86	21	107	0.33	
	Total	14444	17474	31918		

Surger	y Accepta	nce Ra	ate										
	No. of Patients Operated												
Month	Total Advised	1 Week	1 Month	3 Months	>3 Months	Total Operated	76 Acce						
JAN	2,234	1,275	168	91	116	1,650	73.8						
FEB	2,538	1,470	197	123	96	1,886	74.3						
MAR	3,177	1,902	182	143	128	2,355	74.1						
APR	2,939	1,728	243	123	102	2,196	74.7						
MAY	3,385	2,151	196	109	74	2,530	74.7						
JUN	3,325	1,954	223	123	73	2,373	71.3						
JUL	3,579	2,122	232	158	60	2,572	71.8						
AUG	3,200	1,755	217	122	68	2,162	67.5						
SEP	3,356	1,895	168	107	10	2,180	64.9						
OCT	2,045	1,071	144	80	0	1,295	63.3						
NOV	2,706	1,538	188	35	0	1,761	65.0						
Total	32,484	18,861	2,158	1,214	727	22,960	70.6						

CD_CODE	ICD DESCRIPTION	N	Pre-OP	Post-OP	Total
3.75N	PHACO WITH ACRYSOF(NATURAL)	20	1.2	1.0	2.2
3.71P	INTRA OCULAR LENS INSERTION	54	1.2	1.9	3.1
3.75	PHACO WITH ACRYSOF LENS	111	1.2	1.2	2.4
3.75P	IOL P.C (PHACO)	241	1.1	1.1	2.2
3.78	CATARACT WITH IOL (MANUAL PHACO)	405	1.3	1.2	2.5
3.75C	PHACO WITH AUROFOLDABLE	406	1.1	1.1	2.2

tilizatio	n of	Red				
unzauo		Deu	2			
		AEH-Payi	ng, Tirunelveli			
	Avera	ge Beds Occupie	ed June 2005 to	May 2006		
Room Type	А	В	С	ASA	ASN	SUT
Total Beds	34	40	62	2	8	2
Jun'05	78%	40%	44%	22%	18%	20%
Jul'05	73%	45%	49%	26%	24%	16%
Aug'05	68%	36%	41%	6%	6%	10%
Sep'05	69%	43%	42%	20%	22%	40%
Oct'05	53%	34%	40%	15%	16%	31%
Nov'05	64%	44%	43%	10%	28%	12%
Dec'05	67%	41%	40%	6%	21%	11%
Jan'06	59%	34%	27%	0%	19%	24%
Feb'06	77%	43%	45%	5%	21%	13%
Mar'06	77%	50%	40%	18%	31%	48%
Apr'06	70%	43%	45%	27%	23%	18%
May'06	77%	58%	58%	45%	40%	24%

Complication Analysis for QA										
3. IntraOperative COMPLICATIONS										
ZONULAR DIALYSIS - VIT. DISTURBANCE - YES			10.00							
* Total-No of Cases *	5	1.61	118.0							



Income	Month	(in %)	Cumulative	(in %)
Direct Income:				
Consulting Fee	115,280	10.1	812,880	16.3
Surgery/Dressings	446,100	39.07	3,299,475	66.2
Treatment Charges	11,425	1	62,805	1.2
Medical Service Charges	13,885	1.22	100,835	2.0
Lab Charges	1,845	0.16	18,950	0.3
Total(A)	588,535	51.54	4,294,945	86.2
Direct Expenses:				-
IOL	81,893	7.17	646,183	12.9
Medicine & Surgical Consumption	22,758	1.99	75,441	1.5
Linen	1,421	0.12	14,131	0.2
Cleaning & Sanitation	8,471	0.74	33,576	0.6
Salary & Stipend	141,849	12.42	948,673	19.0
Employer's Contribution for P.F.	6,458	0.57	58,856	1.1
Electricity Charges	98,478	8.62	434,483	8.7
Repairs & Maintenance	49,456	4.33	200,486	4.0
Camp expenses	15,978	1.4	138,295	2.1
Photography	912	0.08	1,492	0.0
Printing & Stationery	14,299	1.25	38,943	0.1
Water Supply Charges	-		225	
Total(A)	441,973	38.7	2,590,784	52.0

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Noted leadership trainer John E. Jones said:

- "What gets measured gets done"
- "What gets measured and fed back gets done well"
- "What gets rewarded gets repeated."

Feedback

Feedback is information about performance that leads to action to change or maintain performance.

Feedback Importance

- Encouragement to the partner
- Helpful to provide advice
- Partners could understand themselves better
- Encourage partners to look for opportunities to share their experience

Feedback would contain

- Performance Indicators
- Targets & Achievements
- Appreciation
- Add value to their MIS
 Graphs, Trends, %, compare

Fee	dk	ba	ck	5											
Activities & Indicators	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Target	%
Outpatients															
New	620	530	600	612	742	645	500	650	800	750	512	614	7575	7500	1019
Review	350	285	420	450	612	430	375	325	545	232	541	421	4986	5000	100%
Surgeries															
ECCE-IOL	15	25	12	8	5	3	7	2	1	1	2	1	82	50	1649
Phaco	40	32	54	45	36	46	49	52	32	36	67	62	551	500	1109
Others	10	5	17	8	6	12	14	9	11	5	7	2	106	100	106%
Finance													0	5005	09
Revenue													0	5006	09
Expenditure													0	5007	09

edback	<u> </u>					-
Indicators	Month Target	Performanc e	%	Annua I Target	Performanc e	%
OP	750	700	93%	8000	2212	2
Surgery	100	98	98%	1100	218	2
Surgery Acceptance	90%	70%	78%	90%	75%	8
Follow-UP Rate	95%	60%	63%	95%	65%	6
Cost Recovery						
	100%	90%	90%	110%	98%	8





Effective Monitoring Ensure system in place for data gathering Be purposeful and conducted to answer specific questions. Use the best available science and established protocols to collect and evaluate the data. Use modern information management techniques and tools. Apply stringent selection criteria so that a monitoring activity is only conducted if it is feasible, realistic and affordable. Emphasize evaluation as much as the collection of the data Be done in collaboration with others Never forget giving feedback