

DATA COLLECTION SHEET FOR MAPO INDEX

UNIT :	NU DEDS.	
1. INTERVIEW		
TOTAL Nursing Staff: Nurses: Nurse Assistants (N.A.) No operate	tors unfitted for pat	tient MH ()
NURSING STAFF ENGAGED IN PATIENT TRANSFERRING OVER 3 SHIFTS:		
Morning Afternoon Night	Total No Opera	tors Op
TYPE OF PATIENT:		
DISABLED (D .) (indicate daily average Number of D patients)		
Maximum number of present disabled patients:(N.A.P.) Average hospitalization stay	of disabled patient	(days)
Non-cooperative patients (NC) No Partially cooperative patients (PC) No		(, , ,
DISABLED PATIENTS	-	
elderly	No N.C.	No P.C.
hemiparesis		
surgical		
severe ictus/stroke		
other neurologic movement disorders		
fracture lower limbs		
bariatric patients		
other		
Which manual (D) patient transfer operations are usually performed?:	NC	PC
pulling up to the head of bed		. •
repositioning patients (SIDE TO SIDE)		
bed/wheelchair and back		
wheelchair (or chair)/ upright		
bed-trolley/stretcher and back		
wheelchair /toilet and back		
other		
other		
Are disabled patients unable to hold some particular position during transfer ? Yes	No Describe in N	IOTE
ARE LIFTING DEVICES USUALLY USED? YES NO if YES, for which (D) patien	t transfer operations	
pulling up to the head of bed repositioning patients bed/wheelchair	wheelchair (or	
bed-trolley/stretcher wheelchair/toilet other		
if not USED, why? I not up to the unit requirements I lack of training	often broken	
too time consuming not enough space for use		
STAFF TRAINING IN MANUAL PATIENT HANDLING		
not given included in training course		
given only via training course on use of aids only via information brochures	3	
If CARRIED OUT, to how many operators ? _ _ and how many hours per operator		
If carried out, how many months ago? Was training course effectiveness check	ked? YES	NO



2.ON SITE INSPECTION

WHEELCHAIRS:

	TYPE OF WHEELCHAIR								
FEATURES AND INADEQUACY SCORE OF WHEELCHAIRS	A B C D E F G								
		No	No	No	No	No	No	No	Total No of
Poor Maintenance									wheelchairs
Malfunctioning Brakes	1								
Not Extractable Armrest	1								II
Not Extractable footrest									Total
Cumbersome Backrest	1								wheelchair
Width Exceeding 70 cm	1	cm	cm	cm	cm	cm	cm	cm	score
Column score (No wheelchairs x sum of scores)									
Mean score (MSWh) = Total wheelchair score				nur	nber _	MS\ 			
HOIST Number 1 : Essential requirements: PATIENT SAFETY OPERATOR SAFETY COMFORT LOW PHYSICAL EFFORT APPLIED SEMPLICITY OF USE				PATIEN OPERA COMFO LOW PH	equireme T SAFET TOR SAF RT	Y ETY EFFORT	APPLIED		
ERGONOMIC STRETCHER + FRICTION REI	DUCIN	G SLIDINO	G AIDS (No	=)				
ERGONOMIC HEIGHT ADJUSTABLE BEDS	S (No=	:)							
ADEQUACY OF MAINTENANCE	YES	6	NO						
Please define and assess (qualitatively) the perc	entage	e of total li	iftings aide	d by abo	ve assisti	ve device	s		
OTHER AVAILABLE AIDS (Minor Aids):									
FRICTION REDUCING SLIDING AIDS:	ERGONOMIC BELTS POWERED STANDING ASSIST LIFT ROLLERS								LERS
sliding sheets No or sliding boards No No No No									
ARE "MINOR AIDS" USUALLY USED? YE pulling up to the head of bed repositio bed-trolley/stretcher wheelch	ning p	atients	YES, for w Bed oth	/wheelcha	•	•	erations : eelchair (or o	:hair)/ up	right
Please define and assess (qualitatively) the perc	entage	e of partia	l liftings aid	led by mi	nor aids				
AIDS FOR PATIENT HYGIENIC ASSISTENCE:									

HEIGHT ADJUSTABLE SHOWER No	HEIGHT ADJUSTABLE BATHTUB No
ERGONOMIC SHOWER CHAIR No	FIXED BATH LIFT No



STRUCTURAL FEATURES OF ENVIRONMENT BATHROOMS (centralized or individual in rooms): TYPE OF BATHROOMS WITH SHOWER/BATH

FEATURES AND INADEQUACY SCORE		A	В	С	D	E	
OF BATHROOMS WITH SHOWER/BATH centr = centralized in ward	Score	🗌 centr	□ centr	🗌 centr	🗌 centr	🗌 centr	
indiv. = in room	S S S	🗌 indiv.	indiv.	🗌 indiv.	🗌 indiv.	🗌 indiv.	
		No	No	No	No	No	Total No
Free space inadequate for use of aids	2						bathrooms
Door opening inwards (not outwards)							
No shower							
No fixed bath							
Door width less than 85 cm	1						Total score
Non-removable obstacles	1						For bathrooms:
Column score (No Bathrooms x sum of scores)							

Mean score bathrooms (M.S.B.) = total score bathrooms/total N. bathrooms : | MSB

TOILETS (WC) (centralized or individual in rooms):

TYPE OF TOILETS (WC)

FEATURES AND INADEQUACY SCORE OF		Α	В	С	D	E	
TOILETS	Score	🗌 centr	🗌 centr	□ centr	□ centr	🗌 centr	
centr = centralized in ward	So	🗌 indiv.	🗌 indiv.	indiv.	🗌 indiv.	🗌 indiv.	
indiv. = in room		No	No	No	No	No	Total No
Free space insufficient to turn wheelchair							Toilets (WC)
round	2						
Door opening inwards (not outwards)							
Insufficient Height of WC (below 50 cm)	1						
WC without grabe bars	1						
Door width less than 85 cm	1						Total WC score
Space at side of WC less than 80 cm	1						
Column score							
(No Toilets x sum of scores)							

Mean score (M.S.WC.) = total WC score/No WC: |_____ MSWC

PATIENT ROOMS CONFIGURATION

		PATIENT ROOMS					
FEATURES AND INADEQUACY SCORE OF	0	No	No	No	No	No	
WARDS	Score	Rooms	Rooms	Rooms	Rooms	Rooms	Total No
Space between beds or between bed and wall less							Rooms
than 90 cm	2						
Space between foot bed and wall less than 120 cm	2						
Presence of non-removable obstacles							
Fixed beds with height less than 70 cm							
unsuitable bed : needs to be partially lifted	1						
Inadequate side flaps							
Space between bed and floor less than 15 cm	2						
Beds with 2 wheels or without wheels							Total Rooms
Height of armchair seat less than 50 cm	0,5						score
Column score (No Wards x sum of scores)							
Mean score Rooms (M.S.R.) = total score wards/to	tal No	Rooms		MSR			

ENVIRONMENT: MEAN ENVIRONMENT SCORE = M.S.B. + M.S.WC.+ M.S.R. = |____ | MSE

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PLEASE INDICATE IF BATHROOMS (OR WHEELCHAIRS) ARE NOT USED BY DISABLED PATIENTS (BEING CONFINED TO BED)

NOTE		
Do operators carry out, <u>at least once a day</u> (per operator), pushing/pulling of stretchers,	beds, devices	on wheels
unconfortable for operators?	T YES	
Do operators carry out, at least once a day (per operator), lifting of loads \geq 10 kg?	YES	□ NO
If yes, please assess via ad hoc methodologies		
Name and Surname of interviewer		



	MAP	O INI	DEX				
HOSPITAL :			l	JNIT :			_
NUMBER OF DISABLED PATIENTS/OPERATORS F	RATIO						
No Non-cooperative patients (NC)mean		NC/OP					
No Partially cooperative patients (PC)mean		No oper	ators	=			PC/OP
LIFTING DEVICE FACTOR	R (LF)				VALUE C)F LF	
Absent OR Inadequate+Insufficient Lifting Devices4Insufficient OR Inadequate Lifting Devices2Adequate AND Sufficient Lifting Devices0.5							LF
MINOR AIDS FACTOR (AF)				VALUE O	F AF	
Minor Aids Absent OR Insufficient Minor Aids Sufficient AND Adequate						AF	
WHEELCHAIR FACTOR (WF)	-		-		-		
Mean wheelchair score (MSWh)	0.5 –	- 1.33	1.34 -	- 2.66	2.6	7 - 4	
Numerically sufficient	YES	NO	YES	NO	YES	NO	WF
VALUE OF WF	0.75	1	1.12	1.5	1.5	2	-
ENVIRONMENT FACTOR (EF)		1					
Mean environment score (MSE)	0 –	5.8	5.9 – 11.6 11.7 – 17.5		17.5]	
VALUE OF EF	0.	75	1.25		1.5		EF
TRAINING FACTOR (TF)	·		VALUE	OF TF	FACTO	R	
Adequate training				0	0.75		
Only information			1			TF	
No training			2				

= (|____ | x |___ | + |___ | x |___ |) x |___ | x |__ | x |___ | x |___ | = [MAPO INDEX

(enter data in software "MAPO SOFTWARE-READY TO USE".xls)

MAPO INDEX	EXPOSURE LEVEL
0	ABSENT
0,1 – 1.5	NEGLIGIBLE
1.51 – 5	MEDIUM
> 5	HIGH