nutritionDay November 2011 in COLOMBIA

Dear participant,   June 2012

Thank you for your participation in nutritionDay worldwide in November 2011 and for your effort. We can finally present you your preliminary country report of the following sample size:

Number of units on nutritionDay:	47
Number of patients on nutritionDay:	1612
Number of patients completing Sheet 3a:	1589
Number of patients completing Sheet 3b:	1552

The report consists of 3 parts:
Part I reflects the organisation and the structure of the unit.
Part II describes the patients according to questionnaire "sheet 2".
Part III is the summary of information on nutrition given by the patients according to sheet 3a and 3b.

You will find some explanations how to read and interpret the data on the next page.

Next year's nutritionDay will take place on November 8th 2012. Again, we would very much appreciate your participation. You will be provided with further information on a regular basis.

Best regards from the nutritionDay-Team!

Michael Hiesmayr   Karin Schindler   Johanna Tripamer

How to read the results

Your report is configured as table with 3 columns. The first column contains the name of the result, possibly with a short description. In the second column you will find your unit's results and in the third column you can see the reference values from units comparable to your patients.

You will find "(n)" in brackets indicating that results are referring to a certain number of patients. Generally the patients' results are based on the number of patients participating at your unit.

For example: *number of patients on nutritionDay 2011 = 20*

> *Fluid status (n):*
> *dehydrated 4*
> *…*

Explanation: 4 of 20 patients participating are reported to be dehydrated on nutritionDay 2011.

If results are referring to an "n" different to the number of patients participating, a short explanation will be given.

For example: *number of patients on nutritionDay 2011 = 20*

> Weight loss within 3 months (n)
> > Yes 10
>
> Category of weight decrease (n):
> > 0-4 kg 4
> > 5-8 kg 2
> > > 8 kg 1
> > not sure 2
> > missing 1

Explanation: 10 of 20 patients reported a weight loss within the last 3 months. The category of weight decrease is only referring to these 10 patients having lost weight.

Be careful! - There are some multiple choice questions in the questionnaires. In this case the total number of answers exceeds the number of patients. These results are marked with an asterisk.

For example: Affected organs (n)*

Mean and standard deviation are displayed as follows:
For example: Weight (kg) 75 ± 15

Median and range are displayed that way:
For example: LOS (days) 8 [5-15]

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I. DESCRIPTION OF THE UNIT ("Sheet 1"):

	678 units, 14207 patients	
	YOUR RESULTS	**REFERENCE ND-11**
Number of beds (n):		
Actual	70 ± 104	37 ± 50
Maximum	77 ± 105	38 ± 31
Number of patients on the nutritionDay (n):		
Total	1612	14207
Did not give consent	13 (0.81%)	1205 (8.48%)
Needed help completing form	1463 (90.8%)	8324 (58.6%)
Terminally ill	34 (2.11%)	988 (6.95%)
Specialities (n):		
Internal medicine / general	16 (34.0%)	115 (17.0%)
Internal medicine / gastroenterology and hepatology	-	46 (6.78%)
Internal medicine / oncology (incl. radiotherapy)	-	76 (11.2%)
Internal medicine / cardiology	3 (6.38%)	38 (5.60%)
Internal medicine / infectious diseases	2 (4.26%)	8 (1.18%)
Internal medicine / geriatrics	2 (4.26%)	54 (7.96%)
Internal medicine / nephrology	-	11 (1.62%)
Pediatrics	-	2 (0.29%)
Neurology	-	26 (3.83%)
Psychiatry	-	4 (0.59%)
Ear Nose Throat (ENT)	-	18 (2.65%)
General surgery	20 (42.6%)	111 (16.4%)
Cardiothoracic surgery	1 (2.13%)	17 (2.51%)
Orthopedic surgery	1 (2.13%)	39 (5.75%)
Trauma	-	7 (1.03%)
Neurosurgery	-	11 (1.62%)
Gynecology	-	8 (1.18%)
Long-term-care	1 (2.13%)	6 (0.88%)
Others	1 (2.13%)	81 (11.9%)
Staff /Staff per patient (n):		
Physicians	2.63 ± 8.43	6.98 ± 10.34
Physicians per patient	0.04 ± 0.12	0.21 ± 0.27
Consultants	7.49 ± 11.62	3.16 ± 6.27
Consultants per patient	0.14 ± 0.20	0.10 ± 0.21
Registrars	6.52 ± 7.79	2.59 ± 4.52
Registrars per patient	0.13 ± 0.18	0.08 ± 0.17
Nurses	5.63 ± 8.72	9.92 ± 15.04
Nurses per patient	0.10 ± 0.16	0.27 ± 0.22
Nursing aides	13.74 ± 19.59	2.78 ± 4.15

Nursing aides per patient	0.21 ± 0.30	0.08 ± 0.14
Dieticians and dietetic assistants	5.80 ± 11.87	1.20 ± 2.07
Dieticians and dietetic assistants per pat.	0.11 ± 0.31	0.06 ± 0.57

Nutrition Care:

Nutrition Team	28 units (60%) Yes	476 units (70%) Yes
Written procedures		
- individual	24 units (51%) Yes	421 units (62%) Yes
- local	33 units (70%) Yes	261 units (38%) Yes
- national	13 units (28%) Yes	234 units (35%) Yes
- other	10 units (21%) Yes	105 units (15%) Yes

Patients' weight assessed:

On admission	7 units (15%) Yes	484 units (71%) Yes
When requested	33 units (70%) Yes	385 units (57%) Yes
Once a week	2 units (04%) Yes	249 units (37%) Yes
Occasionally	6 units (13%) Yes	59 units (09%) Yes
Never	5 units (11%) Yes	18 units (03%) Yes

II. YOUR PATIENTS ("Sheet 2"):

	678 units, 14207 patients	
	YOUR RESULTS	**REFERENCE ND-11**
Number of patients (n):		
Total	1612	14207
Patients who completed sheet 3a	1589 (98.6%)	12770 (89.9%)
Patients who completed sheet 3b	1552 (96.3%)	12319 (86.7%)
Demographic data:		
Age (years)	62 [16-100]	67 [2-105]
Female gender	759 (47.1%)	6921 (48.7%)
Weight (kg)	63.5 ± 14.3	69.6 ± 21.0
Height (cm)	161.2 ± 10.1	165.2 ± 14.5
BMI (kg/m^2)	23.9 ± 5.2	25.4 ± 6.1
ICU-stay:		
Any ICU-stay	186 (11.5%)	1412 (9.94%)
Surgery (n):		
Preoperative patients	208 (12.9%)	1251 (8.81%)
Postoperative patients	472 (29.3%)	3671 (25.8%)
Length of stay in Hospital (days):	15 [2-379]	14 [1-1846]
Outcome after 30 days (n):		
Still in hospital	131 (8.13%)	1726 (12.1%)
Transferred to another hospital	36 (2.23%)	390 (2.75%)
Transferred to long-term care	8 (0.50%)	578 (4.07%)
Rehabilitation	13 (0.81%)	366 (2.58%)
Discharge home	1092 (67.7%)	9755 (68.7%)
Death	98 (6.08%)	576 (4.05%)
Others	25 (1.55%)	204 (1.44%)
Missing	209 (13.0%)	612 (4.31%)
Readmitted (n):	76 (4.71%)	1497 (10.5%)

Results in percent referring to the total number of patients

II. YOUR PATIENTS ("Sheet 2"):

	678 units, 14207 patients	
	YOUR RESULTS	**REFERENCE ND-11**
Nutrition therapy (n)*:		
Enteral nutrition	88 (5.46%)	1136 (8.00%)
Parenteral nutrition	35 (2.17%)	640 (4.50%)
Enteral + parenteral nutrition	2 (0.12%)	140 (0.99%)
Special diet	934 (57.9%)	3640 (25.6%)
Protein supplement	116 (7.20%)	1363 (9.59%)
Hospital food	310 (19.2%)	8154 (57.4%)
Others	196 (12.2%)	778 (5.48%)
Missing	25 (1.55%)	587 (4.13%)
Lines & tubes (n)*:		
None	1452 (90.1%)	9416 (66.3%)
Centralvenous	29 (1.80%)	1055 (7.43%)
Nasogastric tube	38 (2.36%)	326 (2.29%)
Any other (PEG, PEJ, ...)	93 (5.77%)	3410 (24.0%)
Affected organs (n)*:		
Brain, nerves	164 (10.2%)	1926 (13.6%)
Eye, ear	10 (0.62%)	304 (2.14%)
Nose, throat	20 (1.24%)	388 (2.73%)
Heart, circulation	246 (15.3%)	2647 (18.6%)
Lung	217 (13.5%)	1961 (13.8%)
Liver	87 (5.40%)	913 (6.43%)
Gastrointestinal tract	297 (18.4%)	3161 (22.2%)
Kidney, urinary tract, female genital tract	192 (11.9%)	1689 (11.9%)
Endocrine system	59 (3.66%)	1059 (7.45%)
Skeleton, bone, muscle	203 (12.6%)	2359 (16.6%)
Blood, bone marrow	45 (2.79%)	851 (5.99%)
Skin	45 (2.79%)	466 (3.28%)
Ischaemia	4 (0.25%)	180 (1.27%)
Cancer	85 (5.27%)	3064 (21.6%)
Infection	90 (5.58%)	1078 (7.59%)
Pregnancy	1 (0.06%)	36 (0.25%)
Others	76 (4.71%)	1007 (7.09%)
No affected organ	15 (0.93%)	590 (4.15%)
Comorbidities (n)*:		
Diabetes I/II	261 (16.2%)	2566 (18.1%)
Stroke	53 (3.29%)	798 (5.62%)
COPD	124 (7.69%)	883 (6.22%)
Myocardial infarction	47 (2.92%)	591 (4.16%)
Cardiac insufficiency	121 (7.51%)	1735 (12.2%)
Others	842 (52.2%)	5325 (37.5%)
No comorbidity	493 (30.6%)	5505 (38.7%)

Results in percent referring to the total number of patients

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III. YOUR PATIENTS ("Sheet 3a"):

	678 units, 14207 patients	
	YOUR RESULTS	**REFERENCE ND-11**

Weight loss within the last 3 months (n):

Total of patients answering	1537 (96.7%)	12269 (96.1%)
Yes	908 (57.1%)	5661 (44.3%)
No	442 (27.8%)	4638 (36.3%)
No, I've gained weight	82 (5.16%)	1067 (8.36%)
I don't know	105 (6.61%)	903 (7.07%)

Category of weight decrease (n):

Patients reporting weight loss	908 (57.1%)	5661 (44.3%)
0-4 kg	357 (22.5%)	2538 (19.9%)
5-8 kg	151 (9.50%)	1045 (8.18%)
> 8 kg	228 (14.3%)	1423 (11.1%)
Not sure	157 (9.88%)	576 (4.51%)
Missing	15 (0.94%)	79 (0.62%)

"How well have you eaten during the last week?"(n):

Normal	606 (38.1%)	6081 (47.6%)
A bit less than normal	335 (21.1%)	2575 (20.2%)
Less than half of normal	284 (17.9%)	1838 (14.4%)
Less than a quarter to nearly nothing	287 (18.1%)	1716 (13.4%)
Missing	77 (4.85%)	560 (4.39%)

"I ate less because"(n)*:

Total of patients answering	905 (57.0%)	6075 (47.6%)
Loss of appetite	391 (24.6%)	3243 (25.4%)
Problems with swallowing, mastication	66 (4.15%)	609 (4.77%)
Nausea	146 (9.19%)	1074 (8.41%)
Other reasons	448 (28.2%)	2325 (18.2%)

"Can you walk without assistance?"(n):

Yes	877 (55.2%)	7570 (59.3%)
No, only with assistance	450 (28.3%)	3323 (26.0%)
No, I stay in bed	218 (13.7%)	1417 (11.1%)
Missing	44 (2.77%)	460 (3.60%)

"In general would you say your health is"(n):

Excellent	62 (3.90%)	341 (2.67%)
Good	73 (4.59%)	852 (6.67%)
Very good	557 (35.1%)	3898 (30.5%)
Fair	645 (40.6%)	4501 (35.2%)
Poor	204 (12.8%)	2543 (19.9%)
Missing	48 (3.02%)	635 (4.97%)

Results in percent referring to the total number of patients answering

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	678 units, 14207 patients	
	YOUR RESULTS	**REFERENCE ND-11**

Hospital food intake:

„Is your appetite normal?" (n):

	YOUR RESULTS	REFERENCE ND-11
Yes	969 (61.0%)	7557 (59.2%)
No	512 (32.2%)	3941 (30.9%)
- I was not hungry	241 (47.1%)	1936 (49.1%)
- Problems with swallowing / mastication	34 (6.64%)	326 (8.27%)
- Nausea	68 (13.3%)	671 (17.0%)
- Others	141 (27.5%)	969 (24.6%)
no answer	71 (4.47%)	821 (6.43%)

Fluid and supplement intake (n):

	YOUR RESULTS	REFERENCE ND-11
Patients with fluid intake	1223 (78.8%)	9318 (75.6%)
Drinks per patient & day (l)	0.27	0.55
Patients with supplements	97 (6.25%)	1147 (9.31%)
Supplements per patient & day (l)	0.02	0.04

„What kind of drinks did you consume?" (n)*:

	YOUR RESULTS	REFERENCE ND-11
Water	209 (13.5%)	7925 (64.3%)
Milk	133 (8.57%)	2062 (16.7%)
Fruit juice	1036 (66.8%)	3006 (24.4%)
Tea, coffee	124 (7.99%)	4583 (37.2%)
Soft drinks	58 (3.74%)	746 (6.06%)

Lunch intake (n):

	YOUR RESULTS	REFERENCE ND-11
All	605 (39.0%)	5174 (42.0%)
1/2	313 (20.2%)	3053 (24.8%)
1/4	187 (12.0%)	1890 (15.3%)
Nothing	400 (25.8%)	1954 (15.9%)
? No answer	47 (3.03%)	248 (2.01%)

„I did not eat everything because" (n)*:

	YOUR RESULTS	REFERENCE ND-11
I was not hungry	269 (28.4%)	2066 (28.9%)
I had nausea / vomiting	73 (7.71%)	685 (9.59%)
I was not allowed to eat	103 (10.9%)	702 (9.83%)
I kann not eat without help	15 (1.58%)	104 (1.46%)
I had an examination / surgery	75 (7.92%)	553 (7.74%)
I ordered a smaller portion	5 (0.53%)	136 (1.90%)
I was tired	8 (0.84%)	434 (6.07%)
I normaly eat less	59 (6.23%)	584 (8.17%)
I did not like the smell	11 (1.16%)	275 (3.85%)
I did not like the taste	90 (9.50%)	945 (13.2%)

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„Do you eat any food apart from hospital food?" (n):

Yes	475 (29.9%)	4578 (35.8%)
No	1020 (64.2%)	7056 (55.3%)
No answer	57 (3.59%)	685 (5.36%)

„What do you eat?" (n)*:

Cakes, biscuits	124 (26.1%)	1312 (28.7%)
Fresh fruits	198 (41.7%)	1918 (41.9%)
Sandwiches	-	396 (8.65%)
Dairy products	57 (12.0%)	650 (14.2%)
Preferred dish	10 (2.11%)	522 (11.4%)
Sweets	28 (5.89%)	699 (15.3%)
Fruit Juice	177 (37.3%)	870 (19.0%)
Others	161 (33.9%)	901 (19.7%)

"Did you need help to complete the questionnaire?"(according to patient) (n):

Yes	1455 (91.6%)	8581 (67.2%)

Results referring to the total number of completed questionnaires

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