



nutritionDay November 2012 in COLOMBIA

Dear participant,

Mai 2013

Thank you for your participation in nutritionDay worldwide in November 2012 and for your effort. We can finally present you your preliminary country report of the following sample size:

Number of units on nutritionDay:	51
Number of patients on nutritionDay:	1576
Number of patients completing Sheet 3a:	1534
Number of patients completing Sheet 3b:	1489

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 7th 2013. 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

Sigrid Kosak

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 2012 = 20*

Fluid status (n):
dehydrated 4

Explanation: 4 of 20 patients participating are reported to be dehydrated on nutritionDay 2012.

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 2012 = 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]

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

	658 units, 14093 patients	
	YOUR RESULTS	REFERENCE ND-12
Number of beds (n):		
Actual	46 ± 33	30 ± 30
Maximum	50 ± 31	33 ± 20
Number of patients on the nutritionDay (n):		
Total	1576	14093
Did not give consent	28 (1.78%)	1118 (7.93%)
Needed help completing form	1384 (87.8%)	7592 (53.9%)
Terminally ill	71 (4.51%)	962 (6.83%)
Specialities (n):		
Internal medicine / general	21 (41.2%)	125 (19.0%)
Internal medicine / gastroenterology and hepatology	-	39 (5.93%)
Internal medicine / oncology (incl. radiotherapy)	1 (1.96%)	82 (12.5%)
Internal medicine / cardiology	1 (1.96%)	32 (4.86%)
Internal medicine / infectious diseases	4 (7.84%)	10 (1.52%)
Internal medicine / geriatrics	3 (5.88%)	51 (7.75%)
Internal medicine / nephrology	-	14 (2.13%)
Pediatrics	-	4 (0.61%)
Neurology	-	14 (2.13%)
Psychiatry	-	7 (1.06%)
Ear Nose Throat (ENT)	-	11 (1.67%)
General surgery	16 (31.4%)	99 (15.0%)
Cardiothoracic surgery	1 (1.96%)	7 (1.06%)
Orthopedic surgery	3 (5.88%)	41 (6.23%)
Trauma	-	11 (1.67%)
Neurosurgery	1 (1.96%)	11 (1.67%)
Gynecology	-	7 (1.06%)
Long-term-care	-	8 (1.22%)
Others	-	85 (12.9%)
Staff /Staff per patient (n):		
Physicians	1.39 ± 1.83	6.65 ± 9.35
Physicians per patient	0.03 ± 0.03	0.21 ± 0.27
Consultants	4.25 ± 6.03	2.70 ± 4.89
Consultants per patient	0.10 ± 0.13	0.09 ± 0.16
Registrars	2.41 ± 3.77	2.65 ± 4.92
Registrars per patient	0.05 ± 0.09	0.09 ± 0.16
Nurses	3.35 ± 2.70	8.33 ± 9.99
Nurses per patient	0.07 ± 0.07	0.27 ± 0.26
Nursing aides	9.24 ± 7.75	3.46 ± 7.88

Nursing aides per patient	0.18 ± 0.14	0.10 ± 0.12
Dieticians and dietetic assistants	3.20 ± 3.49	1.32 ± 2.07
Dieticians and dietetic assistants per pat.	0.06 ± 0.05	0.04 ± 0.05

Nutrition Care:

Nutrition Team	24 units (47%) Yes	477 units (72%) Yes
Written procedures		
- individual	38 units (75%) Yes	430 units (65%) Yes
- local	31 units (61%) Yes	276 units (42%) Yes
- national	9 units (18%) Yes	270 units (41%) Yes
- other	7 units (14%) Yes	74 units (11%) Yes

Patients' weight assessed:

On admission	19 units (37%) Yes	462 units (70%) Yes
When requested	36 units (71%) Yes	341 units (52%) Yes
Once a week	6 units (12%) Yes	243 units (37%) Yes
Occasionally	11 units (22%) Yes	86 units (13%) Yes
Never	4 units (08%) Yes	23 units (03%) Yes

II. YOUR PATIENTS ("Sheet 2"):

	658 units, 14093 patients	
	YOUR RESULTS	REFERENCE ND-12
Number of patients (n):		
Total	1576	14093
Patients who completed sheet 3a	1534 (97.3%)	12396 (88.0%)
Patients who completed sheet 3b	1489 (94.5%)	12050 (85.5%)
Demographic data:		
Age (years)	62 [16-103]	66 [3-113]
Female gender	772 (49.0%)	6843 (48.6%)
Weight (kg)	66.3 ± 15.6	70.7 ± 19.3
Height (cm)	162.4 ± 9.7	165.4 ± 11.8
BMI (kg/m ²)	24.6 ± 5.1	25.7 ± 6.3
ICU-stay:		
Any ICU-stay	274 (17.4%)	1433 (10.2%)
Surgery (n):		
Preoperative patients	195 (12.4%)	1329 (9.43%)
Postoperative patients	470 (29.8%)	3478 (24.7%)
Length of stay in Hospital (days):	13 [2-106]	13 [2-107]
Outcome after 30 days (n):		
Still in hospital	123 (7.80%)	1430 (10.1%)
Transferred to another hospital	19 (1.21%)	315 (2.24%)
Transferred to long-term care	8 (0.51%)	720 (5.11%)
Rehabilitation	5 (0.32%)	417 (2.96%)
Discharge home	1243 (78.9%)	9797 (69.5%)
Death	58 (3.68%)	614 (4.36%)
Others	30 (1.90%)	191 (1.36%)
Missing	90 (5.71%)	609 (4.32%)
Readmitted (n):	127 (8.06%)	1341 (9.52%)

Results in percent referring to the total number of patients

II. YOUR PATIENTS ("Sheet 2"):

658 units, 14093 patients

	YOUR RESULTS	REFERENCE ND-12
Nutrition therapy (n)*:		
Enteral nutrition	81 (5.14%)	1007 (7.15%)
Parenteral nutrition	34 (2.16%)	504 (3.58%)
Enteral + parenteral nutrition	6 (0.38%)	164 (1.16%)
Special diet	808 (51.3%)	3511 (24.9%)
Protein supplement	167 (10.6%)	1606 (11.4%)
Hospital food	427 (27.1%)	7651 (54.3%)
Others	173 (11.0%)	775 (5.50%)
Missing	36 (2.28%)	760 (5.39%)
Lines & tubes (n)*:		
None	1455 (92.3%)	8953 (63.5%)
Centralvenous	33 (2.09%)	977 (6.93%)
Nasogastric tube	43 (2.73%)	353 (2.50%)
Any other (PEG, PEJ, ...)	45 (2.86%)	3810 (27.0%)
Affected organs (n)*:		
Brain, nerves	151 (9.58%)	1754 (12.4%)
Eye, ear	10 (0.63%)	215 (1.53%)
Nose, throat	15 (0.95%)	337 (2.39%)
Heart, circulation	286 (18.1%)	2339 (16.6%)
Lung	211 (13.4%)	2014 (14.3%)
Liver	63 (4.00%)	645 (4.58%)
Gastrointestinal tract	257 (16.3%)	2652 (18.8%)
Kidney, urinary tract, female genital tract	226 (14.3%)	1812 (12.9%)
Endocrine system	45 (2.86%)	801 (5.68%)
Skeleton, bone, muscle	215 (13.6%)	2123 (15.1%)
Blood, bone marrow	53 (3.36%)	695 (4.93%)
Skin	55 (3.49%)	499 (3.54%)
Ischaemia	6 (0.38%)	172 (1.22%)
Cancer	92 (5.84%)	2464 (17.5%)
Infection	126 (7.99%)	941 (6.68%)
Pregnancy	4 (0.25%)	92 (0.65%)
Others	72 (4.57%)	904 (6.41%)
No affected organ	32 (2.03%)	840 (5.96%)
Comorbidities (n)*:		
Diabetes I/II	257 (16.3%)	2631 (18.7%)
Stroke	69 (4.38%)	694 (4.92%)
COPD	122 (7.74%)	876 (6.22%)
Myocardial infarction	44 (2.79%)	436 (3.09%)
Cardiac insufficiency	162 (10.3%)	1477 (10.5%)
Others	820 (52.0%)	6137 (43.5%)
No comorbidity	502 (31.9%)	5101 (36.2%)

Results in percent referring to the total number of patients

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

658 units, 14093 patients

	YOUR RESULTS	REFERENCE ND-12
Weight loss within the last 3 months (n):		
Total of patients answering	1501 (97.8%)	11983 (96.7%)
Yes	796 (51.9%)	5671 (45.7%)
No	508 (33.1%)	4600 (37.1%)
No, I've gained weight	105 (6.84%)	930 (7.50%)
I don't know	92 (6.00%)	782 (6.31%)
Category of weight decrease (n):		
Patients reporting weight loss	796 (51.9%)	5671 (45.7%)
0-4 kg	328 (21.4%)	2488 (20.1%)
5-8 kg	148 (9.65%)	1057 (8.53%)
> 8 kg	178 (11.6%)	1455 (11.7%)
Not sure	130 (8.47%)	581 (4.69%)
Missing	12 (0.78%)	90 (0.73%)
"How well have you eaten during the last week?"(n):		
Normal	691 (45.0%)	5813 (46.9%)
A bit less than normal	321 (20.9%)	2701 (21.8%)
Less than half of normal	271 (17.7%)	1765 (14.2%)
Less than a quarter to nearly nothing	192 (12.5%)	1645 (13.3%)
Missing	59 (3.85%)	472 (3.81%)
"I ate less because"(n)*:		
Total of patients answering	794 (51.8%)	6130 (49.5%)
Loss of appetite	368 (24.0%)	3309 (26.7%)
Problems with swallowing, mastication	67 (4.37%)	612 (4.94%)
Nausea	141 (9.19%)	1019 (8.22%)
Other reasons	360 (23.5%)	2337 (18.9%)
"Can you walk without assistance?"(n):		
Yes	880 (57.4%)	7152 (57.7%)
No, only with assistance	413 (26.9%)	3308 (26.7%)
No, I stay in bed	211 (13.8%)	1514 (12.2%)
Missing	30 (1.96%)	422 (3.40%)
"In general would you say your health is" (n):		
Excellent	82 (5.35%)	452 (3.65%)
Good	112 (7.30%)	1001 (8.08%)
Very good	506 (33.0%)	3855 (31.1%)
Fair	630 (41.1%)	4253 (34.3%)
Poor	164 (10.7%)	2351 (19.0%)
Missing	40 (2.61%)	484 (3.90%)
Results in percent referring to the total number of patients answering		

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

658 units, 14093 patients

YOUR RESULTS REFERENCE ND-12

Hospital food intake:

„Is your appetite normal?“ (n):

Yes	988 (64.4%)	7231 (58.3%)
No	446 (29.1%)	4009 (32.3%)
- I was not hungry	186 (41.7%)	1882 (46.9%)
- Problems with swallowing / mastication	38 (8.52%)	345 (8.61%)
- Nausea	78 (17.5%)	660 (16.5%)
- Others	138 (30.9%)	1147 (28.6%)
no answer	55 (3.59%)	810 (6.53%)

Fluid and supplement intake (n):

Patients with fluid intake	1205 (80.9%)	9000 (74.7%)
Drinks per patient & day (l)	0.28	0.39
Patients with supplements	68 (4.57%)	1292 (10.7%)
Supplements per patient & day (l)	0.01	0.03

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

Water	437 (29.3%)	7568 (62.8%)
Milk	326 (21.9%)	2220 (18.4%)
Fruit juice	978 (65.7%)	3083 (25.6%)
Tea, coffee	297 (19.9%)	4258 (35.3%)
Soft drinks	60 (4.03%)	1010 (8.38%)

Lunch intake (n):

 All	684 (45.9%)	4890 (40.6%)
 1/2	293 (19.7%)	3106 (25.8%)
 1/4	167 (11.2%)	1863 (15.5%)
 Nothing	310 (20.8%)	1866 (15.5%)
? No answer	35 (2.35%)	325 (2.70%)

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

I was not hungry	220 (27.3%)	2028 (28.3%)
I had nausea / vomiting	57 (7.08%)	559 (7.81%)
I was not allowed to eat	66 (8.20%)	741 (10.3%)
I kann not eat without help	6 (0.75%)	89 (1.24%)
I had an examination / surgery	87 (10.8%)	506 (7.07%)
I ordered a smaller portion	12 (1.49%)	166 (2.32%)
I was tired	15 (1.86%)	408 (5.70%)
I normaly eat less	51 (6.34%)	475 (6.63%)
I did not like the smell	9 (1.12%)	238 (3.32%)
I did not like the taste	84 (10.4%)	930 (13.0%)

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

Yes	492 (32.1%)	4287 (34.6%)
No	925 (60.3%)	7009 (56.5%)
No answer	72 (4.69%)	754 (6.08%)

„What do you eat?“ (n)*:

Cakes, biscuits	105 (21.3%)	1239 (28.9%)
Fresh fruits	222 (45.1%)	1825 (42.6%)
Sandwiches	13 (2.64%)	354 (8.26%)
Dairy products	64 (13.0%)	592 (13.8%)
Preferred dish	22 (4.47%)	425 (9.91%)
Sweets	34 (6.91%)	626 (14.6%)
Fruit Juice	150 (30.5%)	711 (16.6%)
Others	142 (28.9%)	842 (19.6%)

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

Yes	1501 (97.8%)	8563 (69.1%)
-----	--------------	--------------

Results referring to the total number of completed questionnaires