



nutritionDay November 2012 in THAILAND

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:	14
Number of patients on nutritionDay:	181
Number of patients completing Sheet 3a:	175
Number of patients completing Sheet 3b:	175

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	20 ± 3	30 ± 30
Maximum	22 ± 2	33 ± 20
Number of patients on the nutritionDay (n):		
Total	181	14093
Did not give consent	5 (2.76%)	1118 (7.93%)
Needed help completing form	170 (93.9%)	7592 (53.9%)
Terminally ill	8 (4.42%)	962 (6.83%)
Specialities (n):		
Internal medicine / general	8 (57.1%)	125 (19.0%)
Internal medicine / gastroenterology and hepatology	-	39 (5.93%)
Internal medicine / oncology (incl. radiotherapy)	2 (14.3%)	82 (12.5%)
Internal medicine / cardiology	-	32 (4.86%)
Internal medicine / infectious diseases	-	10 (1.52%)
Internal medicine / geriatrics	-	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	4 (28.6%)	99 (15.0%)
Cardiothoracic surgery	-	7 (1.06%)
Orthopedic surgery	-	41 (6.23%)
Trauma	-	11 (1.67%)
Neurosurgery	-	11 (1.67%)
Gynecology	-	7 (1.06%)
Long-term-care	-	8 (1.22%)
Others	-	85 (12.9%)
Staff /Staff per patient (n):		
Physicians	2.64 ± 2.62	6.65 ± 9.35
Physicians per patient	0.13 ± 0.13	0.21 ± 0.27
Consultants	2.86 ± 4.11	2.70 ± 4.89
Consultants per patient	0.13 ± 0.19	0.09 ± 0.16
Registrars	9.57 ± 11.69	2.65 ± 4.92
Registrars per patient	0.46 ± 0.59	0.09 ± 0.16
Nurses	6.14 ± 0.86	8.33 ± 9.99
Nurses per patient	0.29 ± 0.04	0.27 ± 0.26
Nursing aides	4.21 ± 1.93	3.46 ± 7.88

Nursing aides per patient	0.20 ± 0.09	0.10 ± 0.12
Dieticians and dietetic assistants	0.00 ± 0.00	1.32 ± 2.07
Dieticians and dietetic assistants per pat.	0.00 ± 0.00	0.04 ± 0.05

Nutrition Care:

Nutrition Team	14 units (100%) Yes	477 units (72%) Yes
Written procedures		
- individual	10 units (71%) Yes	430 units (65%) Yes
- local	- units (00%) Yes	276 units (42%) Yes
- national	- units (00%) Yes	270 units (41%) Yes
- other	1 units (07%) Yes	74 units (11%) Yes

Patients' weight assessed:

On admission	14 units (100%) Yes	462 units (70%) Yes
When requested	10 units (71%) Yes	341 units (52%) Yes
Once a week	8 units (57%) Yes	243 units (37%) Yes
Occasionally	1 units (07%) Yes	86 units (13%) Yes
Never	- units (00%) Yes	23 units (03%) Yes

II. YOUR PATIENTS ("Sheet 2"):

	658 units, 14093 patients	
	YOUR RESULTS	REFERENCE ND-12
Number of patients (n):		
Total	181	14093
Patients who completed sheet 3a	175 (96.7%)	12396 (88.0%)
Patients who completed sheet 3b	175 (96.7%)	12050 (85.5%)
Demographic data:		
Age (years)	63 [19-93]	66 [3-113]
Female gender	91 (50.3%)	6843 (48.6%)
Weight (kg)	59.0 ± 16.0	70.7 ± 19.3
Height (cm)	161.0 ± 8.5	165.4 ± 11.8
BMI (kg/m ²)	22.7 ± 5.4	25.7 ± 6.3
ICU-stay:		
Any ICU-stay	-	1433 (10.2%)
Surgery (n):		
Preoperative patients	29 (16.0%)	1329 (9.43%)
Postoperative patients	51 (28.2%)	3478 (24.7%)
Length of stay in Hospital (days):	15 [3-95]	13 [2-107]
Outcome after 30 days (n):		
Still in hospital	20 (11.0%)	1430 (10.1%)
Transferred to another hospital	4 (2.21%)	315 (2.24%)
Transferred to long-term care	3 (1.66%)	720 (5.11%)
Rehabilitation	1 (0.55%)	417 (2.96%)
Discharge home	142 (78.5%)	9797 (69.5%)
Death	9 (4.97%)	614 (4.36%)
Others	2 (1.10%)	191 (1.36%)
Missing	-	609 (4.32%)
Readmitted (n):	4 (2.21%)	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	65 (35.9%)	1007 (7.15%)
Parenteral nutrition	6 (3.31%)	504 (3.58%)
Enteral + parenteral nutrition	10 (5.52%)	164 (1.16%)
Special diet	34 (18.8%)	3511 (24.9%)
Protein supplement	2 (1.10%)	1606 (11.4%)
Hospital food	108 (59.7%)	7651 (54.3%)
Others	9 (4.97%)	775 (5.50%)
Missing	-	760 (5.39%)
Lines & tubes (n)*:		
None	135 (74.6%)	8953 (63.5%)
Centralvenous	1 (0.55%)	977 (6.93%)
Nasogastric tube	34 (18.8%)	353 (2.50%)
Any other (PEG, PEJ, ...)	11 (6.08%)	3810 (27.0%)
Affected organs (n)*:		
Brain, nerves	14 (7.73%)	1754 (12.4%)
Eye, ear	2 (1.10%)	215 (1.53%)
Nose, throat	2 (1.10%)	337 (2.39%)
Heart, circulation	30 (16.6%)	2339 (16.6%)
Lung	28 (15.5%)	2014 (14.3%)
Liver	15 (8.29%)	645 (4.58%)
Gastrointestinal tract	45 (24.9%)	2652 (18.8%)
Kidney, urinary tract, female genital tract	36 (19.9%)	1812 (12.9%)
Endocrine system	19 (10.5%)	801 (5.68%)
Skeleton, bone, muscle	18 (9.94%)	2123 (15.1%)
Blood, bone marrow	13 (7.18%)	695 (4.93%)
Skin	2 (1.10%)	499 (3.54%)
Ischaemia	6 (3.31%)	172 (1.22%)
Cancer	37 (20.4%)	2464 (17.5%)
Infection	17 (9.39%)	941 (6.68%)
Pregnancy	-	92 (0.65%)
Others	14 (7.73%)	904 (6.41%)
No affected organ	-	840 (5.96%)
Comorbidities (n)*:		
Diabetes I/II	43 (23.8%)	2631 (18.7%)
Stroke	2 (1.10%)	694 (4.92%)
COPD	8 (4.42%)	876 (6.22%)
Myocardial infarction	9 (4.97%)	436 (3.09%)
Cardiac insufficiency	5 (2.76%)	1477 (10.5%)
Others	60 (33.1%)	6137 (43.5%)
No comorbidity	69 (38.1%)	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	175 (100%)	11983 (96.7%)
Yes	97 (55.4%)	5671 (45.7%)
No	53 (30.3%)	4600 (37.1%)
No, I've gained weight	7 (4.00%)	930 (7.50%)
I don't know	18 (10.3%)	782 (6.31%)
Category of weight decrease (n):		
Patients reporting weight loss	97 (55.4%)	5671 (45.7%)
0-4 kg	59 (33.7%)	2488 (20.1%)
5-8 kg	16 (9.14%)	1057 (8.53%)
> 8 kg	18 (10.3%)	1455 (11.7%)
Not sure	4 (2.29%)	581 (4.69%)
Missing	-	90 (0.73%)
"How well have you eaten during the last week?"(n):		
Normal	78 (44.6%)	5813 (46.9%)
A bit less than normal	43 (24.6%)	2701 (21.8%)
Less than half of normal	26 (14.9%)	1765 (14.2%)
Less than a quarter to nearly nothing	28 (16.0%)	1645 (13.3%)
Missing	-	472 (3.81%)
"I ate less because"(n)*:		
Total of patients answering	95 (54.3%)	6130 (49.5%)
Loss of appetite	47 (26.9%)	3309 (26.7%)
Problems with swallowing, mastication	20 (11.4%)	612 (4.94%)
Nausea	16 (9.14%)	1019 (8.22%)
Other reasons	24 (13.7%)	2337 (18.9%)
"Can you walk without assistance?"(n):		
Yes	82 (46.9%)	7152 (57.7%)
No, only with assistance	40 (22.9%)	3308 (26.7%)
No, I stay in bed	53 (30.3%)	1514 (12.2%)
Missing	-	422 (3.40%)
"In general would you say your health is" (n):		
Excellent	1 (0.57%)	452 (3.65%)
Good	8 (4.57%)	1001 (8.08%)
Very good	58 (33.1%)	3855 (31.1%)
Fair	70 (40.0%)	4253 (34.3%)
Poor	37 (21.1%)	2351 (19.0%)
Missing	1 (0.57%)	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	97 (55.4%)	7231 (58.3%)
No	78 (44.6%)	4009 (32.3%)
- I was not hungry	41 (52.6%)	1882 (46.9%)
- Problems with swallowing / mastication	15 (19.2%)	345 (8.61%)
- Nausea	13 (16.7%)	660 (16.5%)
- Others	12 (15.4%)	1147 (28.6%)
no answer	-	810 (6.53%)

Fluid and supplement intake (n):

Patients with fluid intake	151 (86.3%)	9000 (74.7%)
Drinks per patient & day (l)	0.27	0.39
Patients with supplements	70 (40.0%)	1292 (10.7%)
Supplements per patient & day (l)	0.10	0.03

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

Water	138 (78.9%)	7568 (62.8%)
Milk	76 (43.4%)	2220 (18.4%)
Fruit juice	23 (13.1%)	3083 (25.6%)
Tea, coffee	5 (2.86%)	4258 (35.3%)
Soft drinks	8 (4.57%)	1010 (8.38%)

Lunch intake (n):

 All	47 (26.9%)	4890 (40.6%)
 1/2	45 (25.7%)	3106 (25.8%)
 1/4	36 (20.6%)	1863 (15.5%)
 Nothing	47 (26.9%)	1866 (15.5%)
? No answer	-	325 (2.70%)

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

I was not hungry	30 (23.4%)	2028 (28.3%)
I had nausea / vomiting	13 (10.2%)	559 (7.81%)
I was not allowed to eat	27 (21.1%)	741 (10.3%)
I kann not eat without help	1 (0.78%)	89 (1.24%)
I had an examination / surgery	15 (11.7%)	506 (7.07%)
I ordered a smaller portion	5 (3.91%)	166 (2.32%)
I was tired	5 (3.91%)	408 (5.70%)
I normaly eat less	16 (12.5%)	475 (6.63%)
I did not like the smell	5 (3.91%)	238 (3.32%)
I did not like the taste	22 (17.2%)	930 (13.0%)

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

Yes	97 (55.4%)	4287 (34.6%)
No	77 (44.0%)	7009 (56.5%)
No answer	1 (0.57%)	754 (6.08%)

„What do you eat?“ (n)*:

Cakes, biscuits	15 (15.5%)	1239 (28.9%)
Fresh fruits	47 (48.5%)	1825 (42.6%)
Sandwiches	6 (6.19%)	354 (8.26%)
Dairy products	7 (7.22%)	592 (13.8%)
Preferred dish	22 (22.7%)	425 (9.91%)
Sweets	9 (9.28%)	626 (14.6%)
Fruit Juice	22 (22.7%)	711 (16.6%)
Others	14 (14.4%)	842 (19.6%)

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

Yes	173 (98.9%)	8563 (69.1%)
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Results referring to the total number of completed questionnaires