

Country Report

nutritionDay November 2014 in JAPAN

Dear participant, June 2015

Thank you for your participation in nutritionDay worldwide in November 2014 and for your effort. We can finally present you your preliminary country report of the following sample size:

Number of units on nutritionDay:	74
Number of patients on nutritionDay:	1313
Number of patients completing Sheet 3a:	1145
Number of patients completing Sheet 3b:	1101

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 19th November 2015. 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!

Prof. Dr. Michael Hiesmayr

Sigrid Kosak, MA

herd Morak



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 2014 = 20 Fluid status (n): dehydrated 4
```

Explanation: 4 of 20 patients participating are reported to be dehydrated on nutritionDay 2014.

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 2014 = 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"):

	712 units, 14603 patients	
	YOUR RESULTS	REFERENCE ND-14
Number of beds (n): Actual	42 + 20	32 ± 33
Maximum	42 ± 30 64 ± 113	32 ± 33 39 ± 51
Waximum	04 ± 113	37 ± 31
Number of patients on the nutritionDay (n):		
Total	1313	14603
Did not give consent	119 (9.06%)	1038 (7.11%)
Needed help completing form	402 (30.6%)	8417 (57.6%)
Terminally ill	49 (3.73%)	826 (5.66%)
Specialities (n):		
Internal medicine / general	12 (16.2%)	184 (25.8%)
Internal medicine / gastroenterology and	10 (13.5%)	37 (5.20%)
hepatology	, ,	,
Internal medicine / oncology (incl.	4 (5.41%)	70 (9.83%)
radiotherapy)		
Internal medicine / cardiology	2 (2.70%)	44 (6.18%)
Internal medicine / infectious diseases	-	4 (0.56%)
Internal medicine / geriatrics	1 (1.35%)	53 (7.44%)
Internal medicine / nephrology	3 (4.05%)	11 (1.54%)
Pediatrics	-	27 (3.79%)
Neurology	2 (2.70%)	19 (2.67%)
Psychiatry	3 (4.05%)	8 (1.12%)
Ear Nose Throat (ENT)	1 (1.35%)	13 (1.83%)
General surgery	14 (18.9%)	90 (12.6%)
Cardiothoracic surgery Orthopedic surgery	8 (10.8%)	9 (1.26%) 45 (6.32%)
Trauma	0 (10.070)	7 (0.98%)
Neurosurgery	2 (2.70%)	10 (1.40%)
Gynecology	3 (4.05%)	10 (1.40%)
Long-term-care	1 (1.35%)	11 (1.54%)
Others	8 (10.8%)	60 (8.43%)
Staff /Staff per patient (n):	0.54 7.41	F 00 7 / 0
Physicians per petient	8.54 ± 7.41	5.99 ± 7.60
Physicians per patient	0.20 ± 0.16	0.19 ± 0.22
Consultants per patient	1.47 ± 2.04	2.80 ± 5.81
Consultants per patient Registrars	0.03 ± 0.05 1.96 ± 5.07	0.08 ± 0.16 2.77 ± 10.24
Registrars per patient	0.04 ± 0.09	0.06 ± 0.13
registrals per patient	0.04 ± 0.07	0.00 ± 0.13
Nurses	15.96 ± 9.10	9.02 ± 9.73
Nurses per patient	0.37 ± 0.22	0.27 ± 0.27
Nursing aides	2.51 ± 1.51	4.76 ± 13.73



Nursing aides per patient	0.06 ± 0.05	0.11 ± 0.20
Dieticians and dietetic assistants	0.62 ± 1.56	1.38 ± 1.95
Dieticians and dietetic assistants per pat.	0.02 ± 0.05	0.04 ± 0.04
Nutrition Care:		
Nutrition Team	73 units (99%) Yes	556 units (78%) Yes
Written procedures		
- individual	27 units (36%) Yes	439 units (62%) Yes
- local	18 units (24%) Yes	287 units (40%) Yes
- national	14 units (19%) Yes	314 units (44%) Yes
- other	14 units (19%) Yes	103 units (14%) Yes
Patients' weight assessed:		
On admission	66 units (89%) Yes	534 units (75%) Yes
When requested	45 units (61%) Yes	377 units (53%) Yes
Once a week	39 units (53%) Yes	278 units (39%) Yes
Occasionally	14 units (19%) Yes	77 units (11%) Yes
Never	- units (00%) Yes	16 units (02%) Yes

II. YOUR PATIENTS ("Sheet 2"):

	712 units, 14603 patients	
	YOUR RESULTS	REFERENCE ND-14
Number of patients (n):		
Total	1313	14603
Patients who completed sheet 3a	1145 (87.2%)	12993 (89.0%)
Patients who completed sheet 3b	1101 (83.9%)	12603 (86.3%)
Demographic data:		
Age (years)	71 [2-105]	67 [1-110]
Female gender	640 (48.7%)	7396 (50.6%)
Weight (kg)	55.3 ± 13.3	70.1 ± 20.6
Height (cm)	157.8 ± 10.7	164.4 ± 12.9
BMI (kg/m²)	22.1 ± 4.3	25.7 ± 6.4
ICU-stay:		
Any ICU-stay	91 (6.93%)	1638 (11.2%)
Surgery (n):		
Preoperative patients	76 (5.79%)	1198 (8.20%)
Postoperative patients	343 (26.1%)	3544 (24.3%)
Length of stay in Hospital (days):	23 [1-281]	11 [1-666]
Outcome after 30 days (n):		
Still in hospital	276 (21.0%)	1571 (10.8%)
Transferred to another hospital	76 (5.79%)	400 (2.74%)
Transferred to long-term care	26 (1.98%)	774 (5.30%)
Rehabilitation	2 (0.15%)	535 (3.66%)
Discharge home	830 (63.2%)	10301 (70.5%)
Death	37 (2.82%)	505 (3.46%)
Others	6 (0.46%)	218 (1.49%)
Missing	60 (4.57%)	299 (2.05%)
Readmitted (n):	54 (4.11%)	1255 (8.59%)

Results in percent referring to the total number of patients



II. YOUR PATIENTS ("Sheet 2"):

	712 units, 14603 patients	
	YOUR RESULTS	REFERENCE ND-14
Nutrition therapy (n)*: Enteral nutrition Parenteral nutrition Enteral + parenteral nutrition Special diet Protein supplement Hospital food Others Missing	32 (2.44%) 184 (14.0%) 17 (1.29%) 211 (16.1%) 108 (8.23%) 795 (60.5%) 48 (3.66%) 16 (1.22%)	861 (5.90%) 467 (3.20%) 91 (0.62%) 4371 (29.9%) 1555 (10.6%) 8212 (56.2%) 774 (5.30%) 517 (3.54%)
Lines & tubes (n)*: None Centralvenous Nasogastric tube Any other (PEG, PEJ,)	851 (64.8%) 62 (4.72%) 9 (0.69%) 391 (29.8%)	9592 (65.7%) 1025 (7.02%) 386 (2.64%) 3600 (24.7%)
Affected organs (n)*: Brain, nerves Eye, ear Nose, throat Heart, circulation Lung Liver Gastrointestinal tract Kidney, urinary tract, female genital tract Endocrine system Skeleton, bone, muscle Blood, bone marrow Skin Ischaemia Cancer Infection Pregnancy Others No affected organ	148 (11.3%) 85 (6.47%) 58 (4.42%) 183 (13.9%) 167 (12.7%) 117 (8.91%) 339 (25.8%) 173 (13.2%) 109 (8.30%) 246 (18.7%) 47 (3.58%) 46 (3.50%) 12 (0.91%) 311 (23.7%) 30 (2.28%) 26 (1.98%) 162 (12.3%) 33 (2.51%)	1961 (13.4%) 265 (1.81%) 296 (2.03%) 2966 (20.3%) 2175 (14.9%) 674 (4.62%) 2685 (18.4%) 2151 (14.7%) 1109 (7.59%) 2645 (18.1%) 631 (4.32%) 576 (3.94%) 116 (0.79%) 1957 (13.4%) 934 (6.40%) 106 (0.73%) 914 (6.26%) 613 (4.20%)
Comorbidities (n)*: Diabetes I/II Stroke COPD Myocardial infarction Cardiac insufficiency Others No comorbidity	235 (17.9%) 78 (5.94%) 16 (1.22%) 24 (1.83%) 69 (5.26%) 370 (28.2%) 668 (50.9%)	3064 (21.0%) 907 (6.21%) 1117 (7.65%) 537 (3.68%) 1757 (12.0%) 5885 (40.3%) 5127 (35.1%)

Results in percent referring to the total number of patients



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

	712 units, 14603 patients	
	YOUR RESULTS	REFERENCE ND-14
Woight loss within the last 2 months (n):		
Weight loss within the last 3 months (n): Total of patients answering	1093 (95.5%)	12546 (96.6%)
Yes	392 (34.2%)	5548 (42.7%)
No	462 (40.3%)	4958 (38.2%)
No, I've gained weight	115 (10.0%)	1013 (7.80%)
I don't know	124 (10.8%)	1027 (7.90%)
Category of weight decrease (n):		
Patients reporting weight loss	392 (34.2%)	5548 (42.7%)
0-4 kg	204 (17.8%)	2434 (18.7%)
5-8 kg	67 (5.85%)	1007 (7.75%)
> 8 kg	65 (5.68%)	1378 (10.6%)
Not sure	43 (3.76%)	634 (4.88%)
Missing	13 (1.14%)	95 (0.73%)
"How well have you eaten during the last		
week?"(n):	754 (/ 5.00/)	(22/ (40.00/)
Normal	754 (65.9%)	6236 (48.0%)
A bit less than normal	161 (14.1%)	2728 (21.0%)
Less than half of normal	76 (6.64%)	1935 (14.9%)
Less than a quarter to nearly nothing	95 (8.30%)	1606 (12.4%)
Missing	59 (5.15%)	488 (3.76%)
"I ate less because"(n)*:		
Total of patients answering	348 (30.4%)	6184 (47.6%)
Loss of appetite	198 (17.3%)	3308 (25.5%)
Problems with swallowing, mastication	37 (3.23%)	611 (4.70%)
Nausea	36 (3.14%)	985 (7.58%)
Other reasons	109 (9.52%)	2377 (18.3%)
"Can you walk without assistance?"(n):		
Yes	803 (70.1%)	7370 (56.7%)
No, only with assistance	234 (20.4%)	3695 (28.4%)
No, I stay in bed	57 (4.98%)	1530 (11.8%)
Missing	51 (4.45%)	398 (3.06%)
"In general would you say your health is" (n):		
Excellent	14 (1.22%)	477 (3.67%)
Very good	53 (4.63%)	1178 (9.07%)
Good	215 (18.8%)	4089 (31.5%)
Fair	482 (42.1%)	4393 (33.8%)
Poor	323 (28.2%)	2288 (17.6%)
Missing	58 (5.07%)	568 (4.37%)
Results in percent referring to the total number of	patients answering	



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

Hospital food intake: Is your appetite normal?" (n): Yes		712 units, 14603 patients	
Six your appetite normal?" (n): Yes		YOUR RESULTS	REFERENCE ND-14
Yes 800 (69.9%) 7656 (58.9%) No 238 (20.8%) 4168 (32.1%) - I was not hungry 97 (40.8%) 2155 (51.7%) - Problems with swallowing / mastication 19 (7.98%) 328 (7.87%) - Nausea 23 (9.66%) 616 (14.8%) - Others 68 (28.6%) 1062 (25.5%) no answer 63 (5.50%) 779 (6.00%) Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Fruit juice 73 (6.63%) 3527 (41.9%)	Hospital food intake:		
No	"Is your appetite normal?" (n):		
- I was not hungry - Problems with swallowing / mastication 19 (7.98%) 328 (7.87%) - Nausea 23 (9.66%) 616 (14.8%) - Others 68 (28.6%) 1062 (25.5%) no answer 63 (5.50%) 779 (6.00%) Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) 16-a, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): □ All 603 (54.8%) 5279 (41.9%) □ 1/2 238 (21.6%) 3261 (25.9%) □ 1/4 79 (7.18%) 1911 (15.2%) □ Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) µI did not eat everything because" (n)*: I was not hungry 114 (22.9%) 1255 (30.8%) 1 had nausea / vomiting 1 was not allowed to eat 1 can not eat without help 1 had an examination / surgery 44 (8.84%) 1 458 (6.25%) 1 ordered a smaller portion 1 44 (2.81%) 1 Had not like the smell 20 (4.02%) 349 (4.77%) 1 did not like the smell	Yes	800 (69.9%)	7656 (58.9%)
- Problems with swallowing / mastication 19 (7.98%) 328 (7.87%) - Nausea 23 (9.66%) 616 (14.8%) 616 (14.8%) no answer 63 (5.50%) 779 (6.00%) Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks (n): Lunch intake (n): ↓ All 603 (54.8%) 57 (5.18%) 1270 (10.1%) Lunch intake (n): ↓ All 79 (7.18%) 1270 (10.1%) Lunch intake (n): ↓ All 79 (7.18%) 1911 (15.2%) 1/4 79 (7.18%) 1911 (15.2%) 1/4 79 (7.18%) 1911 (15.2%) 1/4 188 (11.6%) 1878 (14.9%) 2 No answer 53 (4.81%) 274 (2.17%) ↓ I did not eat everything because" (n)*: Lwas not hungry 114 (22.9%) 2255 (30.8%) 1 No answer 53 (4.81%) 274 (2.17%) ↓ I did not eat everything 9 8 (1.61%) 110 (1.50%) 1 No answer 62 (12.4%) 660 (9.01%) 1 No answer 44 (8.84%) 458 (6.25%) 1 Ordered a smaller portion 14 (2.81%) 146 (1.99%) 1 Normally eat less 88 (1.7.7%) 544 (7.43%) 1 did not like the smell 20 (4.02%) 242 (3.30%) 1 did not like the smell 20 (4.02%) 242 (3.30%)	No	238 (20.8%)	4168 (32.1%)
- Problems with swallowing / mastication 19 (7.98%) 328 (7.87%) - Nausea 23 (9.66%) 616 (14.8%) 616 (14.8%) no answer 63 (5.50%) 779 (6.00%) Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks (n): Lunch intake (n): ↓ All 603 (54.8%) 57 (5.18%) 1270 (10.1%) Lunch intake (n): ↓ All 79 (7.18%) 1270 (10.1%) Lunch intake (n): ↓ All 79 (7.18%) 1911 (15.2%) 1/4 79 (7.18%) 1911 (15.2%) 1/4 79 (7.18%) 1911 (15.2%) 1/4 188 (11.6%) 1878 (14.9%) 2 No answer 53 (4.81%) 274 (2.17%) ↓ I did not eat everything because" (n)*: Lwas not hungry 114 (22.9%) 2255 (30.8%) 1 No answer 53 (4.81%) 274 (2.17%) ↓ I did not eat everything 9 8 (1.61%) 110 (1.50%) 1 No answer 62 (12.4%) 660 (9.01%) 1 No answer 44 (8.84%) 458 (6.25%) 1 Ordered a smaller portion 14 (2.81%) 146 (1.99%) 1 Normally eat less 88 (1.7.7%) 544 (7.43%) 1 did not like the smell 20 (4.02%) 242 (3.30%) 1 did not like the smell 20 (4.02%) 242 (3.30%)	- I was not hungry	97 (40.8%)	2155 (51.7%)
- Others no answer 68 (28.6%) 1062 (25.5%) no answer 63 (5.50%) 779 (6.00%) Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) 16.2, coffee 646 (58.7%) 4645 (36.9%) 250ft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): Lunch intake (n): All 603 (54.8%) 5279 (41.9%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) 1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	- Problems with swallowing / mastication	19 (7.98%)	-
- Others 68 (28.6%) 1062 (25.5%) no answer 68 (28.6%) 779 (6.00%) Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): Lunch intake (n): All 603 (54.8%) 5279 (41.9%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) 1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) 274 (2.17%) No answer 53 (4.81%) 274 (2.17%) Lidid not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) 1 had nausea / vomiting 23 (4.62%) 587 (8.01%) 1 was not allowed to eat 62 (12.4%) 660 (9.01%) 1 can not eat without help 8 (1.61%) 110 (1.50%) had an examination / surgery 44 (8.84%) 458 (6.25%) 1 ordered a smaller portion 14 (2.81%) 146 (1.99%) 1 was fired 20 (4.02%) 349 (4.74%) 1 hornally eat less 88 (17.7%) 544 (7.43%) 1 did not like the smell 20 (4.02%) 242 (3.30%)	· · · · · · · · · · · · · · · · · · ·	23 (9.66%)	•
Fluid and supplement intake (n): Patients with fluid intake 707 (64.2%) 9694 (76.9%) Drinks per patient & day (l) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (l) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): All 603 (54.8%) 5279 (41.9%) 1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) "I did not eat everything because" (n)*: was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.6%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I voor eat the smell 20 (4.02%) 349 (4.74%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	- Others	•	• • • • • • • • • • • • • • • • • • • •
Patients with fluid intake Drinks per patient & day (I) Supplements per patient & day (I) Supplements per patient & day (I) Drinks did you consume?" (n)*: Water Wat	no answer		, ,
Patients with fluid intake Drinks per patient & day (I) Supplements per patient & day (I) Supplements per patient & day (I) Drinks did you consume?" (n)*: Water Wat	Fluid and supplement intake (n):		
Drinks per patient & day (I) 0.27 0.36 Patients with supplements 89 (8.08%) 1320 (10.5%) Supplements per patient & day (I) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): All 603 (54.8%) 5279 (41.9%) 1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) No answer 53 (4.81%) 274 (2.17%) I did not eat everything because" (n)*: was not hungry 114 (22.9%) 2255 (30.8%) had nausea / vomiting 23 (4.62%) 587 (8.01%) was not allowed to eat 62 (12.4%) 660 (9.01%) Loan not eat without help 8 (1.61%) 110 (1.50%) had an examination / surgery 44 (8.84%) 458 (6.25%) ordered a smaller portion 14 (2.81%) 146 (1.99%) was tired 20 (4.02%) 349 (4.77%) normally eat less 88 (17.7%) 544 (7.43%) did not like the smell 20 (4.02%) 242 (3.30%)	• •	707 (64 2%)	9694 (76.9%)
Patients with supplements Supplements Supplements per patient & day (I) 0.02 0.03 0.03 0.03 0.02 0.03 0.03 0.02 0.03 0.03		, ,	,
Supplements per patient & day (I) 0.02 0.03 "What kind of drinks did you consume?" (n)*: Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): □ All 603 (54.8%) 5279 (41.9%) □ 1/2 238 (21.6%) 3261 (25.9%) □ 1/4 79 (7.18%) 1911 (15.2%) □ Nothing 128 (11.6%) 1878 (14.9%) ② No answer 53 (4.81%) 274 (2.17%) "I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	· · · ·		
## ## ## ## ## ## ## ## ## ## ## ## ##	·	` '	,
Water 460 (41.8%) 7866 (62.4%) Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	supplements per patient à day (i)	0.02	0.00
Milk 188 (17.1%) 2359 (18.7%) Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n): Image: Soft drinks 5279 (41.9%) 238 (21.6%) 3261 (25.9%) 3261 (25.9%) 3261 (25.9%) 190 (25.9%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) Image: Soft drinks 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 114 (22.9%) 2255 (30.8%) I was not hungry 114 (22.9%) 2255 (30.8%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examinat	"What kind of drinks did you consume?" (n)*:		
Fruit juice 73 (6.63%) 3495 (27.7%) Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n):	Water	460 (41.8%)	7866 (62.4%)
Tea, coffee 646 (58.7%) 4645 (36.9%) Soft drinks 57 (5.18%) 1270 (10.1%) Lunch intake (n):	Milk	188 (17.1%)	2359 (18.7%)
Lunch intake (n): 57 (5.18%) 1270 (10.1%) Lunch intake (n): 10 (1.1%) Image: Interest of the properties of the properti	Fruit juice	73 (6.63%)	3495 (27.7%)
Lunch intake (n): ↑ All 603 (54.8%) 5279 (41.9%) ↑ 1/2 238 (21.6%) 3261 (25.9%) ↑ 1/4 79 (7.18%) 1911 (15.2%) ↑ Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	Tea, coffee	646 (58.7%)	4645 (36.9%)
All 603 (54.8%) 5279 (41.9%) 1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) No answer 53 (4.81%) 274 (2.17%) // I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	Soft drinks	57 (5.18%)	1270 (10.1%)
All 603 (54.8%) 5279 (41.9%) 1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) No answer 53 (4.81%) 274 (2.17%) // I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	Lunch intake (n):		
1/2 238 (21.6%) 3261 (25.9%) 1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) 14 (22.9%) 2255 (30.8%) 1 kad nausea / vomiting 23 (4.62%) 587 (8.01%) was not allowed to eat 62 (12.4%) 660 (9.01%) can not eat without help 8 (1.61%) 110 (1.50%) 1 kad an examination / surgery 44 (8.84%) 458 (6.25%) 1 ordered a smaller portion 14 (2.81%) 146 (1.99%) 1 was tired 20 (4.02%) 349 (4.77%) 1 normally eat less 88 (17.7%) 544 (7.43%) 1 did not like the smell 20 (4.02%) 242 (3.30%) 1 like the smell 20 (4.02%) 242 (3.30%) 242 (3.30%) 1 like the smell 20 (4.02%) 242 (3.30%) 242	des	603 (54.8%)	5279 (41.9%)
1/4 79 (7.18%) 1911 (15.2%) Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) "I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	1/2	, , ,	3261 (25.9%)
Nothing 128 (11.6%) 1878 (14.9%) ? No answer 53 (4.81%) 274 (2.17%) "I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)			
? No answer 53 (4.81%) 274 (2.17%) "I did not eat everything because" (n)*: I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	Nothing	, ,	, ,
"I did not eat everything because" (n)*: I was not hungry I had nausea / vomiting I was not allowed to eat I can not eat without help I had an examination / surgery I ordered a smaller portion I was tired I normally eat less I did not like the smell I did not like the smell I did not like the smell I was not allowed to eat I (22.9%) I 2255 (30.8%) I 2255 (30.8%) I 42.81%) I 44.625%) I 660 (9.01%) I 8 (1.61%) I 10 (1.50%) I 44 (8.84%) I 458 (6.25%) I 44 (2.81%) I 46 (1.99%) I 47.77%) I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		` ,	, ,
I was not hungry 114 (22.9%) 2255 (30.8%) I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	? No answer	53 (4.81%)	2/4 (2.1/%)
I had nausea / vomiting 23 (4.62%) 587 (8.01%) I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	3 0 .		
I was not allowed to eat 62 (12.4%) 660 (9.01%) I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)		114 (22.9%)	2255 (30.8%)
I can not eat without help 8 (1.61%) 110 (1.50%) I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	I had nausea / vomiting	23 (4.62%)	587 (8.01%)
I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)		62 (12.4%)	660 (9.01%)
I had an examination / surgery 44 (8.84%) 458 (6.25%) I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	•	, ,	• • • • • • • • • • • • • • • • • • • •
I ordered a smaller portion 14 (2.81%) 146 (1.99%) I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)		, ,	, ,
I was tired 20 (4.02%) 349 (4.77%) I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)	•	• • • • • • • • • • • • • • • • • • • •	
I normally eat less 88 (17.7%) 544 (7.43%) I did not like the smell 20 (4.02%) 242 (3.30%)		• • • • • • • • • • • • • • • • • • • •	· · · · · ·
I did not like the smell 20 (4.02%) 242 (3.30%)	· · · · · · · · · · · · · · · · · · ·	, ,	• • • • • • • • • • • • • • • • • • • •
. 1 . 10 . 1 1 . 10		, ,	•
	I did not like the taste	• • • • • • • • • • • • • • • • • • • •	•



"Do you eat any food apart from hospital food?" (n):		
Yes	330 (28.8%)	4047 (31.1%)
No	710 (62.0%)	7833 (60.3%)
No answer	61 (5.33%)	723 (5.56%)
"What do you eat?" (n)*:		
Cakes, biscuits	51 (15.5%)	1241 (30.7%)
Fresh fruits	105 (31.8%)	1527 (37.7%)
Sandwiches	37 (11.2%)	369 (9.12%)
Dairy products	72 (21.8%)	583 (14.4%)
Preferred dish	9 (2.73%)	406 (10.0%)
Sweets	67 (20.3%)	659 (16.3%)
Fruit Juice	38 (11.5%)	675 (16.7%)
Others	67 (20.3%)	885 (21.9%)
"Did you need help to complete the questionnaire?" (according to patient) (n):	201 (22 20/)	0700 (/ 7.40/)
Yes	381 (33.3%)	8720 (67.1%)

Results referring to the total number of completed questionnaires

