



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2016 and for your effort. We are now able to present you your country report of the following sample size:

<b>Number of centers on nutritionDay:</b>	<b>12</b>
<b>Number of units on nutritionDay:</b>	<b>42</b>
<b>Number of patients on nutritionDay:</b>	<b>665</b>
<b>Number of patients who gave consent:</b>	<b>462</b>
<b>Number of patients completing Sheet 3a:</b>	<b>436</b>
<b>Number of patients completing Sheet 3b:</b>	<b>432</b>
<b>Number of cancer patients on nutritionDay:</b>	<b>74</b>
<b>Number of patients completing Sheet 2_onco:</b>	<b>65</b>
<b>Number of patients completing Sheet 3_onco:</b>	<b>61</b>
<b>Number of patients with 30-day outcome assessment:</b>	<b>387</b>

This report compares your country to international reference database based on data from nutritionDay 2016.

The report consists of 5 parts:

Part I reflects capacity and staffing of your hospitals.

Part II reflects the organisation and the structure of the units.

Part III describes the patient's demographics, the clinical information and the outcome.

Part IV is the summary of information on patient's nutrition, history and health status.

Part V is your oncology Report.

**Next year's nutritionDay will take place in November 2017. 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 Moick, MA

## I. Hospital capacity and staffing ("Hospital sheet"):

	YOUR RESULTS	REFERENCE RESULTS
<b>1. Total number of beds in hospital</b>	337 [174-672]	305 [180-526]
<b>2. Total number of admissions in the hospital last year</b>	16056 [5802-33150]	17891 [8741-38415]
<b>3. Total number of staff in the hospital</b>		
Total medical doctors	124 [60-211]	162 [65-328]
Medical specialists	67 [44-134]	108 [44-210]
Medical non-specialists	50 [15-73]	35 [12-81]
Nurses	331 [204-572]	346 [124-710]
Dieticians	5 [2-6]	4 [1-8]
Nutritionists	0 [0-0]	1 [0-4]
Pharmacists	5 [0-8]	6 [3-14]
Kitchen staff	36 [21-53]	28 [11-55]
<b>Full time equivalent</b>		
Total medical doctors	95 [52-176]	126 [56-296]
Medical specialists	65 [55-204]	88 [44-210]
Medical non-specialists	35 [14-87]	33 [11-83]
Nurses	291 [171-442]	317 [123-726]
Dieticians	3 [1-4]	4 [1-7]
Nutritionists	0 [0-1]	1 [0-4]
Pharmacists	2 [0-4]	5 [2-11]
Kitchen staff	33 [16-34]	25 [12-50]
<b>4. Does the hospital have a nutrition care strategy?</b>	6 (66.7%) Yes	269 (76.0%) Yes
<b>5. Which nutrition-related standards or routine activities exist in your hospital?</b>		
Nutrition training is available	6 (66.7%) Yes	226 (63.8%) Yes
Nutrition steering committee is available	6 (66.7%) Yes	207 (58.5%) Yes
Quality indicators are recorded and reported to national or regional level	2 (22.2%) Yes	139 (39.3%) Yes
Quality indicators are used for internal benchmarking	1 (11.1%) Yes	171 (48.3%) Yes
Patient feedback about food and food service is collected using a questionnaire	6 (66.7%) Yes	250 (70.6%) Yes
None	2 (22.2%) Yes	30 (8.5%) Yes
No answer given	-	-
<b>6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?</b>		
<b>Codes available</b>		
Nutrition Support	3 (33.3%) Yes	175 (49.4%) Yes
Oral nutrition supplements	-	141 (39.8%) Yes

Parenteral nutrition	1 (11.1%) Yes	202 (57.1%) Yes
Enteral nutrition	2 (22.2%) Yes	167 (47.2%) Yes
Dietary counseling	3 (33.3%) Yes	120 (33.9%) Yes
Specific dietary interventions	1 (11.1%) Yes	104 (29.4%) Yes
Screening for malnutrition	-	88 (24.9%) Yes
Risk of malnutrition	-	90 (25.4%) Yes
Malnutrition (in general)	-	170 (48.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	-	154 (43.5%) Yes
No information available from billing/finance/controlling	4 (44.4%) Yes	55 (15.5%) Yes
No answer given	-	28 (7.9%)

### Codes routinely used

Nutrition Support	3 (33.3%) Yes	139 (39.3%) Yes
Oral nutrition supplements	-	111 (31.4%) Yes
Parenteral nutrition	1 (11.1%) Yes	177 (50.0%) Yes
Enteral nutrition	1 (11.1%) Yes	145 (41.0%) Yes
Dietary counseling	2 (22.2%) Yes	88 (24.9%) Yes
Specific dietary interventions	1 (11.1%) Yes	84 (23.7%) Yes
Screening for malnutrition	-	68 (19.2%) Yes
Risk of malnutrition	-	61 (17.2%) Yes
Malnutrition (in general)	-	138 (39.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	-	126 (35.6%) Yes
No information available from billing/finance/controlling	5 (55.6%) Yes	68 (19.2%) Yes
No answer given	-	42 (11.9%)

## II. Unit organisation and structures ("Sheet 1a/1b"):

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	5 (11.9%)	92 (20.0%)
Internal Medicine / Cardiology	1 (2.4%)	26 (5.7%)
Internal Medicine / Gastroenterology & hepatology	-	31 (6.8%)
Internal Medicine / Geriatrics	-	37 (8.1%)
Internal Medicine / Infectious diseases	-	5 (1.1%)
Internal Medicine / Nephrology	-	5 (1.1%)
Internal Medicine / Oncology (incl. radiotherapy)	3 (7.1%)	35 (7.6%)
Interdisciplinary	1 (2.4%)	21 (4.6%)
Long term care	-	7 (1.5%)
Neurology	7 (16.7%)	14 (3.1%)
Surgery / General	3 (7.1%)	82 (17.9%)
Surgery/ Cardiac/Vascular/Thoracic	1 (2.4%)	6 (1.3%)
Surgery / Neurosurgery	-	4 (0.9%)
Surgery / Orthopedic	-	19 (4.1%)
Trauma	11 (26.2%)	7 (1.5%)
Ear Nose Throat (ENT)	2 (4.8%)	7 (1.5%)
Gynecology / Obstetrics	-	10 (2.2%)
Pediatrics	-	-
Psychiatry	-	3 (0.7%)
Others	8 (19.0%)	48 (10.5%)
<b>2. Number of registered inpatients at noon</b>	21 [15-30]	24 [17-35]
<b>3. Total bed capacity of the unit</b>	30 [25-30]	31 [25-44]
<b>4. Number of each type of staff in the unit for TODAY's morning shift</b>		
<b>Fully trained</b>		
Medical doctors	1 [1-3]	4 [2-8]
Nurses	4 [3-6]	5 [4-8]
Nursing aides	1 [1-2]	2 [1-4]
Dieticians	0 [0-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	0 [0-1]	1 [0-2]
Other staff involved in patient care	1 [1-1]	1 [0-3]
<b>In training</b>		
Medical doctors	1 [1-2]	1 [0-3]
Medical students	0 [0-1]	1 [0-2]
Nurses	1 [1-2]	1 [0-3]

Nursing aides	0 [0-0]	0 [0-0]
Dieticians	0 [0-0]	0 [0-0]
Nutritionists	0 [0-0]	0 [0-0]
Other staff involved in patient care	0 [0-0]	0 [0-0]

**5. Is there a nutrition support team in your hospital available?** 37 (97.4%) Yes 323 (73.6%) Yes

**6. Does the unit have a nutrition care strategy?** 20 (52.6%) Yes 316 (72.0%) Yes

**7. Is there a person in your unit responsible for nutrition care?** 32 (84.2%) Yes 317 (72.2%) Yes

**8. Is there a dietician, nutritionist or dietetic assistant available for your unit?** 38 (100%) Yes 395 (90.0%) Yes

**9. Is specific staff responsible for providing feeding assistance to patients during meal times?** 19 (50.0%) Yes 268 (61.0%) Yes

**10. How do you MAINLY screen/monitor patients for malnutrition?**

**At admission**

No routine screening	6 (14.3%) Yes	45 (9.8%) Yes
No fixed criteria	1 (2.4%) Yes	10 (2.2%) Yes
Experience / visual assessment only	6 (14.3%) Yes	43 (9.4%) Yes
Weighing / BMI only	10 (23.8%) Yes	66 (14.4%) Yes
Nutritional Risk Screening (NRS) 2002	10 (23.8%) Yes	131 (28.5%) Yes
Malnutrition Universal Screening Tool (MUST)	-	28 (6.1%) Yes
Malnutrition Screening tool (MST)	1 (2.4%) Yes	42 (9.2%) Yes
SNAQ	-	2 (0.44%) Yes
Other formal tool	4 (9.5%) Yes	70 (15.3%) Yes
I do not know	-	2 (0.44%) Yes
Missing	4 (9.5%)	20 (4.4%)

**During hospital stay**

No routine monitoring	5 (11.9%) Yes	43 (9.4%) Yes
No fixed criteria	1 (2.4%) Yes	44 (9.6%) Yes
Experience / visual assessment only	4 (9.5%) Yes	90 (19.6%) Yes
Weighing / BMI only	19 (45.2%) Yes	132 (28.8%) Yes
Other formal tool	8 (19.0%) Yes	121 (26.4%) Yes
I do not know	1 (2.4%) Yes	9 (2.0%) Yes
Missing	4 (9.5%)	20 (4.4%)

**11a. Do you routinely use guidelines or standards for nutrition care?** 25 (67.6%) Yes 343 (78.7%) Yes

**11b. If yes, which one is mainly used?**

International guidelines	4 (16.0%) Yes	86 (25.1%) Yes
National guidelines	3 (12.0%) Yes	56 (16.3%) Yes
Standards on hospital level	10 (40.0%) Yes	115 (33.5%) Yes
Standards on unit level	1 (4.0%) Yes	23 (6.7%) Yes
Individual patient nutrition care plans	6 (24.0%) Yes	56 (16.3%) Yes
Other	-	4 (1.2%) Yes
Missing	1 (4.0%)	3 (0.87%)

**12. What is routinely done in your unit for given patient groups?****At risk**

Watchful waiting	12 (28.6%) Yes	139 (30.3%) Yes
Discuss nutrition care activities during ward rounds	30 (71.4%) Yes	192 (41.8%) Yes
Develop an individual nutrition care plan	30 (71.4%) Yes	246 (53.6%) Yes
Initiate treatment / nutrition intervention	34 (81.0%) Yes	277 (60.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	34 (81.0%) Yes	285 (62.1%) Yes
Consult a medical professional	22 (52.4%) Yes	172 (37.5%) Yes
Calculate energy requirements	17 (40.5%) Yes	232 (50.5%) Yes
Calculate protein requirements	19 (45.2%) Yes	226 (49.2%) Yes

**Malnourished**

Watchful waiting	4 (9.5%) Yes	98 (21.4%) Yes
Discuss nutrition care activities during ward rounds	25 (59.5%) Yes	208 (45.3%) Yes
Develop an individual nutrition care plan	27 (64.3%) Yes	258 (56.2%) Yes
Initiate treatment / nutrition intervention	32 (76.2%) Yes	304 (66.2%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	31 (73.8%) Yes	284 (61.9%) Yes
Consult a medical professional	19 (45.2%) Yes	183 (39.9%) Yes
Calculate energy requirements	18 (42.9%) Yes	261 (56.9%) Yes
Calculate protein requirements	19 (45.2%) Yes	257 (56.0%) Yes

**Every patient**

Watchful waiting	7 (16.7%) Yes	193 (42.0%) Yes
Discuss nutrition care activities during ward rounds	3 (7.1%) Yes	126 (27.5%) Yes
Develop an individual nutrition care plan	-	74 (16.1%) Yes
Initiate treatment / nutrition intervention	1 (2.4%) Yes	57 (12.4%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	73 (15.9%) Yes
Consult a medical professional	-	101 (22.0%) Yes
Calculate energy requirements	-	50 (10.9%) Yes
Calculate protein requirements	-	44 (9.6%) Yes

**Never**

Watchful waiting	18 (42.9%) Yes	34 (7.4%) Yes
Discuss nutrition care activities during ward rounds	3 (7.1%) Yes	38 (8.3%) Yes

Develop an individual nutrition care plan	3 (7.1%) Yes	31 (6.8%) Yes
Initiate treatment / nutrition intervention	-	6 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (2.4%) Yes	8 (1.7%) Yes
Consult a medical professional	12 (28.6%) Yes	49 (10.7%) Yes
Calculate energy requirements	14 (33.3%) Yes	50 (10.9%) Yes
Calculate protein requirements	12 (28.6%) Yes	54 (11.8%) Yes

### I do not know

Watchful waiting	-	20 (4.4%) Yes
Discuss nutrition care activities during ward rounds	1 (2.4%) Yes	10 (2.2%) Yes
Develop an individual nutrition care plan	2 (4.8%) Yes	5 (1.1%) Yes
Initiate treatment / nutrition intervention	-	4 (0.87%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	4 (0.87%) Yes
Consult a medical professional	-	18 (3.9%) Yes
Calculate energy requirements	-	11 (2.4%) Yes
Calculate protein requirements	2 (4.8%) Yes	13 (2.8%) Yes

### 13. When do you routinely weigh your patients?

at admission	22 (52.4%) Yes	291 (63.4%) Yes
Within 24 hours	4 (9.5%) Yes	64 (13.9%) Yes
Within 48 hours	1 (2.4%) Yes	20 (4.4%) Yes
Within 72 hours	1 (2.4%) Yes	13 (2.8%) Yes
Every week	15 (35.7%) Yes	152 (33.1%) Yes
Occasionally	1 (2.4%) Yes	59 (12.9%) Yes
When requested	25 (59.5%) Yes	207 (45.1%) Yes
At discharge	2 (4.8%) Yes	20 (4.4%) Yes
Never	5 (11.9%) Yes	8 (1.7%) Yes
I do not know	1 (2.4%) Yes	1 (0.22%) Yes
No answer given	3 (5.0%)	22 (4.8%)

### 14. What do you do to support adequate food intake of patients?

Offer additional meals or in between snacks	36 (85.7%) Yes	338 (73.6%) Yes
Offer meal choices	38 (90.5%) Yes	336 (73.2%) Yes
Offer different portion sizes	38 (90.5%) Yes	282 (61.4%) Yes
Consider food presentation	20 (47.6%) Yes	192 (41.8%) Yes
Change food texture/consistency as needed	34 (81.0%) Yes	376 (81.9%) Yes
Consider patient problems with eating and drinking	36 (85.7%) Yes	372 (81.0%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	4 (9.5%) Yes	51 (11.1%) Yes
Promote positive eating environment	5 (11.9%) Yes	82 (17.9%) Yes
Consider cultural/religious preferences	14 (33.3%) Yes	188 (41.0%) Yes
Consider patient allergies / intolerances	15 (35.7%) Yes	214 (46.6%) Yes
Other	2 (4.8%) Yes	29 (6.3%) Yes
I do not know	1 (2.4%) Yes	6 (1.3%) Yes
No answer given	4 (9.5%)	20 (4.4%)

**15. Which nutrition-related standards or routine activities exist in your unit?**

Nutrition training is available	26 (61.9%) Yes	257 (56.0%) Yes
Reporting of nutrition related information to hospital managers	16 (38.1%) Yes	201 (43.8%) Yes
Quality indicators are recorded and reported to national or regional level	10 (23.8%) Yes	123 (26.8%) Yes
Quality indicators are used for internal benchmarking	2 (4.8%) Yes	166 (36.2%) Yes
Patient feedback about food and food service is collected using a questionnaire	30 (71.4%) Yes	291 (63.4%) Yes
None	2 (4.8%) Yes	21 (4.6%) Yes
I do not know	3 (7.1%) Yes	11 (2.4%) Yes
No answer given	4 (9.5%)	36 (7.8%)

**16. At admission what is asked and documented?**

Change in weight	27 (64.3%) Yes	358 (78.0%) Yes
Eating habits/difficulties	33 (78.6%) Yes	336 (73.2%) Yes
Nutrition before admission	28 (66.7%) Yes	260 (56.6%) Yes
None	-	9 (2.0%) Yes
I do not know	2 (4.8%) Yes	5 (1.1%) Yes
No answer given	4 (9.5%)	38 (8.3%)

**17. On what forms is there a specific part about eating, nutrition or malnutrition?****a. Patient Record has a section for ...**

indicating if the patient is malnourished or at risk of malnutrition	20 (47.6%) Yes	323 (70.4%) Yes
nutrition treatment	29 (69.0%) Yes	270 (58.8%) Yes
None	3 (7.1%) Yes	30 (6.5%) Yes
I do not know	29 (69.0%) Yes	270 (58.8%) Yes

**b. Discharge Letter ...**

summarizes nutrition treatment received during stay	13 (31.0%) Yes	162 (35.3%) Yes
makes future nutrition-related recommendations	24 (57.1%) Yes	258 (56.2%) Yes
None	8 (19.0%) Yes	56 (12.2%) Yes
I do not know	2 (4.8%) Yes	23 (5.0%) Yes

<b>18. Do you provide brochures about malnutrition to at risk/malnourished patients?</b>	28 (77.8%) Yes	162 (43.9%) Yes
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**19. Who filled in this sheet?**

Head staff	22 (52.4%) Yes	117 (25.5%) Yes
Dietician	16 (38.1%) Yes	236 (51.4%) Yes
Nurse	26 (61.9%) Yes	124 (27.0%) Yes
Physician	7 (16.7%) Yes	72 (15.7%) Yes
Administrative staff	1 (2.4%) Yes	4 (0.87%) Yes



Other	1 (2.4%) Yes	7 (1.5%) Yes
None	1 (2.4%) Yes	-
I do not know	1 (2.4%) Yes	3 (0.65%) Yes

### III. Patient demographics, medical information & Outcome ("Sheet 2a/2b"):

	YOUR RESULTS	REFERENCE RESULTS
Total	462	8743
Age	64 [50-74]	67 [53-78]
Female	204 (44.2%)	4410 (50.4%)
Weight	77.4±18.3	69.1±18.8
Height	171±10	164±10
BMI	26.3±5.1	25.5±6.0

#### 1. This hospital admission was...

planned	256 (55.4%)	3052 (34.9%)
an emergency	186 (40.3%)	5037 (57.6%)
I do not know	20 (4.3%)	654 (7.5%)
No answer given	-	-

#### 2a. Diagnosis at admission

0100 Infectious and parasitic diseases	44 (9.5%)	801 (9.2%)
0200 Neoplasms	68 (14.7%)	1381 (15.8%)
0300 Blood and bloodforming organs and the immune mechanism	39 (8.4%)	578 (6.6%)
0400 Endocrine, nutritional and metabolic diseases	93 (20.1%)	1043 (11.9%)
0500 Mental health	16 (3.5%)	333 (3.8%)
0600 Nervous system	90 (19.5%)	762 (8.7%)
0700 Eye and adnexa	13 (2.8%)	131 (1.5%)
0800 Ear and mastoid process	9 (1.9%)	70 (0.80%)
0900 Circulatory system	116 (25.1%)	1723 (19.7%)
1000 Respiratory system	63 (13.6%)	1358 (15.5%)
1100 Digestive system	84 (18.2%)	2210 (25.3%)
1200 Skin and subcutaneous tissue	25 (5.4%)	424 (4.8%)
1300 Musculoskeletal system and connective tissue	141 (30.5%)	1276 (14.6%)
1400 Genitourinary system	34 (7.4%)	809 (9.3%)
1500 Pregnancy, childbirth and the puerperium	2 (0.43%)	123 (1.4%)
1600 Conditions originating in the perinatal period	2 (0.43%)	21 (0.24%)
1700 Congenital/chromosomal abnormalities	3 (0.65%)	9 (0.10%)
1800 Symptoms, signs, abnormal clinical/lab findings	24 (5.2%)	391 (4.5%)
1900 Injury, poisoning	89 (19.3%)	276 (3.2%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	3 (0.65%)	156 (1.8%)
2100 Factors influencing health status and contact with health services	67 (14.5%)	210 (2.4%)
No answer given	-	-

#### 3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	57 (12.9%)	1569 (22.2%)
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Myocardial infarction	16 (3.7%)	394 (5.8%)
Chronic lung disease	54 (12.2%)	1080 (15.5%)
Cerebral vascular disease	39 (8.8%)	745 (10.9%)
Peripheral vascular disease	81 (18.3%)	869 (12.6%)
Chronic liver disease	32 (7.3%)	441 (6.5%)
Chronic kidney disease	42 (9.6%)	821 (11.9%)
Diabetes	74 (16.8%)	1899 (26.8%)
Cancer	74 (16.9%)	1733 (24.8%)
Infection	48 (10.9%)	1103 (15.8%)
Dementia	13 (3.0%)	374 (5.5%)
Major depressive disorder	14 (3.2%)	377 (5.6%)
Other chronic mental disorder	27 (6.1%)	378 (5.6%)
Other chronic disease	123 (28.2%)	1968 (27.8%)
None	138 (29.9%)	1394 (15.9%)

#### 4a. Previous operation during this hospital stay

Yes, planned	80 (17.3%)	1743 (19.9%)
Yes, acute	48 (10.4%)	539 (6.2%)
No	322 (69.7%)	6145 (70.3%)
I do not know	3 (0.65%)	126 (1.4%)
Missing	9 (1.9%)	190 (2.2%)

Days since operation	2 [1-6]	4 [1-13]
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#### 4b. Planned operation during this hospital stay

Yes, today or tomorrow	27 (5.8%)	738 (8.4%)
Yes, later	24 (5.2%)	513 (5.9%)
No	305 (66.0%)	6496 (74.3%)
I do not know	18 (3.9%)	414 (4.7%)
Missing	88 (19.0%)	582 (6.7%)

<b>5. Previous ICU admission during this hospital stay? (Yes)</b>	39 (8.4%)	934 (10.7%)
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<b>6. Is this patient terminally ill?</b>	32 (6.9%)	630 (7.2%)
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#### 7. Fluid status

Normal	291 (63.0%)	6866 (78.5%)
Overloaded	16 (3.5%)	500 (5.7%)
Dehydrated	15 (3.2%)	450 (5.1%)
I do not know	140 (30.3%)	927 (10.6%)
Missing	-	-

#### 8. Number of different medications planned

Oral	5 [2-8]	5 [2-8]
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Other	1 [1-3]	2 [1-4]
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### 9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	26 (5.6%)	871 (10.0%)
At risk	33 (7.1%)	1543 (17.6%)
No	372 (80.5%)	5642 (64.5%)
I do not know	31 (6.7%)	687 (7.9%)
Missing	-	-

### 10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	78 (16.9%)	3469 (39.7%)
5% Glucose solution	2 (0.43%)	860 (9.8%)

### 11. Number of ONS drinks planned

0 [0-0]	0 [0-0]
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### 12. Nutrition intake

Regular hospital food	330 (71.4%)	4849 (55.5%)
Fortified/enriched hospital food	19 (4.1%)	756 (8.6%)
Protein/energy supplement (e.g. ONS drinks)	28 (6.1%)	998 (11.4%)
Enteral nutrition	13 (2.8%)	485 (5.5%)
Parenteral nutrition	9 (1.9%)	479 (5.5%)
Special diet	122 (26.4%)	3072 (35.1%)
None	11 (2.4%)	474 (5.4%)

### 13a. All lines and Tubes

Central Venous	37 (8.0%)	734 (8.4%)
Peripheral venous access	174 (37.8%)	4122 (47.1%)
Nasogastric	5 (1.1%)	258 (3.0%)
Nasojejunal	3 (0.65%)	38 (0.43%)
Nasoduodenal	4 (0.87%)	22 (0.25%)
Enterostoma	4 (0.87%)	42 (0.48%)
Percutaneous endoscopy/surgical gastrostomy	6 (1.3%)	67 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	4 (0.87%)	27 (0.31%)
None	253 (54.8%)	3894 (44.5%)

### 13b. Were there complications with nutrition related lines and tubes since admission?

Yes, previously	2 (0.43%)	87 (1.00%)
Yes, ongoing	-	80 (0.92%)
No	424 (91.8%)	7278 (83.2%)
I do not know	19 (4.1%)	846 (9.7%)
Missing	17 (3.7%)	452 (5.2%)

### 14. Please indicate if any of the following was done for this patient since admission

Energy requirements were determined	36 (7.8%)	3103 (35.5%)
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Protein requirements were determined	42 (9.1%)	2765 (31.6%)
Food/Nutrition intake was recorded in the patient record	73 (15.8%)	3893 (44.5%)
Nutrition treatment plan was developed	42 (9.1%)	3013 (34.5%)
Nutrition expert was consulted	60 (13.0%)	2890 (33.1%)
Malnutrition status is recorded in the patient record	60 (13.0%)	2363 (27.0%)
None	-	-

### 15a. Energy goal

< 500 kcal	7 (1.5%)	268 (3.1%)
500-999 kcal	7 (1.5%)	93 (1.1%)
1000-1499 kcal	23 (5.0%)	884 (10.1%)
1500-1999 kcal	47 (10.2%)	2574 (29.4%)
>=2000 kcal	22 (4.8%)	958 (11.0%)
Not determined	326 (70.6%)	3200 (36.6%)
I do not know	22 (4.8%)	730 (8.3%)
Missing	8 (1.7%)	36 (0.41%)

### 15b. Energy intake

< 500 kcal	7 (1.5%)	530 (6.1%)
500-999 kcal	13 (2.8%)	483 (5.5%)
1000-1499 kcal	23 (5.0%)	1101 (12.6%)
1500-1999 kcal	41 (8.9%)	1928 (22.1%)
>=2000 kcal	20 (4.3%)	584 (6.7%)
Not determined	259 (56.1%)	2964 (33.9%)
I do not know	96 (20.8%)	1101 (12.6%)
Missing	3 (0.65%)	52 (0.59%)

### 16. Since admission, this patient's health status has...

Improved	210 (45.5%)	4436 (50.7%)
Deteriorated	13 (2.8%)	485 (5.5%)
Remained the same	139 (30.1%)	2411 (27.6%)
This patient has just been admitted	55 (11.9%)	555 (6.3%)
I do not know	45 (9.7%)	856 (9.8%)
Missing	-	-

Length of hospital stay (days)	8 [4-19]	12 [6-24]
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### Outcome Code

1= Still in the hospital	27 (5.8%)	748 (8.6%)
2= Transferred to another hospital	7 (1.5%)	211 (2.4%)
3= Transferred to long term care	7 (1.5%)	360 (4.1%)
4= Rehabilitation	9 (1.9%)	486 (5.6%)
5= Discharged home	330 (71.4%)	6417 (73.4%)
6= Death	7 (1.5%)	260 (3.0%)

7= Others	-	173 (2.0%)
Missing	75 (16.2%)	88 (1.0%)

**Readmitted since ND**

1= No	217 (60.3%)	6055 (78.3%)
2= Yes, same hospital planned	36 (10.0%)	457 (5.9%)
3= Yes, same hospital unplanned	11 (3.1%)	454 (5.9%)
4= Yes, different hospital planned	5 (1.4%)	44 (0.57%)
5= Yes, different hospital unplanned	5 (1.4%)	44 (0.57%)
6= Unknown	84 (23.3%)	299 (3.9%)
Missing	5 (1.4%)	386 (5.0%)

#### IV. Patient's perspective: Medical history, nutrition status & intake today ("Sheet 3a/3b"):

	YOUR RESULTS	REFERENCE RESULTS
<b>1. What are your typical dietary habits?</b>		
No special dietary habits	325 (74.5%)	5885 (69.8%)
I am vegetarian	22 (5.0%)	142 (1.7%)
I adhere to a vegan diet	4 (0.92%)	50 (0.59%)
I eat gluten-free diet	9 (2.1%)	73 (0.87%)
I avoid added sugars	97 (22.2%)	1290 (15.3%)
I avoid carbohydrates	17 (3.9%)	477 (5.7%)
I eat a low fat-diet	38 (8.7%)	972 (11.5%)
I am lactose intolerant	16 (3.7%)	328 (3.9%)
Other special diet due to intolerances/allergies	6 (1.4%)	171 (2.0%)
Other	17 (3.9%)	603 (7.2%)
No answer given	9 (2.1%)	162 (1.9%)
<b>2. Where did you live before your current hospital admission?</b>		
At home	393 (90.1%)	7497 (89.0%)
In a nursing home or other live-in facility	17 (3.9%)	287 (3.4%)
I was transferred from another hospital	20 (4.6%)	418 (5.0%)
Other	4 (0.92%)	139 (1.6%)
Missing	2 (0.46%)	87 (1.0%)
<b>3. In general, are you able to walk?</b>		
Yes	334 (76.6%)	5392 (64.0%)
Yes, with someone's help	25 (5.7%)	899 (10.7%)
Yes, independently using a cane, walker, or crutches	47 (10.8%)	1107 (13.1%)
No, I have a wheelchair	16 (3.7%)	355 (4.2%)
No, I am bedridden	8 (1.8%)	548 (6.5%)
Missing	6 (1.4%)	127 (1.5%)
<b>4. In general, how would you say your health is?</b>		
Very good	60 (13.8%)	615 (7.3%)
Good	163 (37.4%)	3078 (36.5%)
Fair	155 (35.6%)	3196 (37.9%)
Poor	40 (9.2%)	1144 (13.6%)
Very poor	11 (2.5%)	254 (3.0%)
Missing	7 (1.6%)	141 (1.7%)
<b>5. Over the last 12 months prior to your current hospital admission approximately...</b>		
... how many times have you seen a doctor?	4 [2-8]	4 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [0-3]	1 [0-2]
... how many nights in total have you spent in hospital?	7 [0-27]	5 [0-15]

<b>6. How many different medications do you take routinely each day (prior to hospitalisation)?</b>		
1-2	101 (23.2%)	1638 (19.4%)
3-5	121 (27.8%)	2272 (27.0%)
More than 5	92 (21.1%)	2608 (30.9%)
None	101 (23.2%)	1375 (16.3%)
I do not know	14 (3.2%)	429 (5.1%)
Missing	7 (1.6%)	106 (1.3%)

<b>7. Do you have health insurance?</b>		
Yes, private insurance only	10 (2.3%)	1250 (14.8%)
Yes, public insurance only	338 (77.5%)	4213 (50.0%)
Yes, both	70 (16.1%)	1101 (13.1%)
None	3 (0.69%)	1114 (13.2%)
I prefer not to answer	12 (2.8%)	483 (5.7%)
Missing	3 (0.69%)	267 (3.2%)

<b>8. What was your weight 5 years ago?</b>		
	75 [65-88]	70 [60-83]
I do not know	85 (19.5%)	2268 (26.9%)

<b>9a. Have you lost weight within the last 3 months?</b>		
Yes, intentionally	54 (12.4%)	795 (9.4%)
Yes, unintentionally	117 (26.8%)	3179 (37.7%)
No, my weight stayed the same	175 (40.1%)	2488 (29.5%)
No, I gained weight	55 (12.6%)	911 (10.8%)
I do not know	26 (6.0%)	856 (10.2%)
Missing	9 (2.1%)	199 (2.4%)

<b>9b. If yes, how many kg did you lose?</b>		
	6 [3-10]	6 [3-10]
I do not know	19 (11.1%)	672 (16.9%)

<b>10. Did you know about your hospitalisation two days before admission? (Yes)</b>		
	219 (52.1%)	3142 (39.1%)

<b>11. Please indicate if you ...</b>		
... were weighed at admission	215 (50.2%)	4710 (56.2%)
... were informed about your nutrition status	132 (31.3%)	2651 (32.0%)
... were informed about nutrition care options	90 (21.3%)	2341 (28.3%)
... received special nutrition care	82 (19.5%)	2232 (27.0%)

<b>12. How well have you eaten in the week before you were admitted to the hospital?</b>		
More than normal	21 (4.9%)	366 (4.4%)
Normal	306 (70.8%)	5184 (62.0%)
About 3/4 of normal	36 (8.3%)	801 (9.6%)
About half of normal	39 (9.0%)	1028 (12.3%)



About a quarter to nearly nothing	26 (6.0%)	750 (9.0%)
I do not know	2 (0.46%)	82 (0.98%)
Missing	2 (0.46%)	157 (1.9%)

### 13. In general, how satisfied are you with the food at the hospital?

Very satisfied	218 (50.5%)	2303 (27.5%)
Somewhat satisfied	103 (23.8%)	2525 (30.2%)
Neutral	60 (13.9%)	1669 (19.9%)
Dissatisfied	19 (4.4%)	652 (7.8%)
Very dissatisfied	5 (1.2%)	252 (3.0%)
I do not know	22 (5.1%)	712 (8.5%)
Missing	5 (1.2%)	255 (3.0%)

### 14. Did you get any help with eating TODAY?

Yes, from family or friends	5 (1.2%)	910 (10.9%)
Yes, from hospital staff	26 (6.0%)	544 (6.5%)
No	375 (86.8%)	6450 (77.1%)
I do not know	6 (1.4%)	107 (1.3%)
Missing	20 (4.6%)	357 (4.3%)

<b>15. Were you able to eat without interruption TODAY? (Yes)</b>	<b>326 (79.7%)</b>	<b>5869 (74.5%)</b>
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### 16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	240 (55.6%)	4051 (48.4%)
1/2	107 (24.8%)	1966 (23.5%)
1/4	34 (7.9%)	1005 (12.0%)
Nothing	30 (6.9%)	975 (11.7%)
Missing	21 (4.9%)	371 (4.4%)

### 16b. The portion size of the meal I ordered TODAY was...

Standard	320 (74.1%)	5388 (64.4%)
Smaller	29 (6.7%)	778 (9.3%)
Larger	2 (0.46%)	328 (3.9%)
I do not know	43 (10.0%)	848 (10.1%)
Missing	38 (8.8%)	1026 (12.3%)

### 17. If you did not eat everything of your meal, please tell us why:

I did not like the type of food offered	13 (7.6%)	570 (14.4%)
I did not like the smell/taste of the food	14 (8.2%)	443 (11.2%)
The food did not fit my cultural/religious preferences	1 (0.58%)	47 (1.2%)
The food was too hot	1 (0.58%)	14 (0.35%)
The food was too cold	2 (1.2%)	86 (2.2%)
Due to food allergy/intolerance	3 (1.8%)	25 (0.63%)
I was not hungry at that time	38 (22.2%)	672 (17.0%)

I do not have my usual appetite	53 (31.0%)	1114 (28.2%)
I have problems chewing/swallowing	17 (9.9%)	225 (5.7%)
I normally eat less than what was served	47 (27.5%)	428 (10.8%)
I had nausea/vomiting	6 (3.5%)	327 (8.3%)
I was too tired	6 (3.5%)	219 (5.5%)
I cannot eat without help	2 (1.2%)	68 (1.7%)
I was not allowed to eat	18 (10.5%)	449 (11.4%)
I had an exam, surgery, or test and missed my meal	11 (6.4%)	234 (5.9%)
I did not get requested food	4 (2.3%)	53 (1.3%)
No answer given	16 (9.4%)	481 (12.2%)

#### 18. Enter the number of glasses/cups of the drinks you consumed in the last 24 hours

Water	5 [2-7]	3 [2-5]
Tea	3 [1-5]	1 [0-2]
Coffee	2 [1-3]	1 [0-2]
Milk	1 [0-1]	1 [0-1]
Fruit juice	1 [1-4]	1 [0-2]
Soft drinks	1 [0-2]	0 [0-1]
Nutrition drink	0 [0-2]	0 [0-1]
Other	1 [0-2]	0 [0-1]

**19a. Did you eat any food apart from hospital food TODAY?** 86 (21.3%) 2048 (26.7%)

#### 19b. If yes, what did you eat?

Sweet snacks	31 (36.0%)	501 (24.5%)
Salty snacks	5 (5.8%)	273 (13.3%)
Homemade food	9 (10.5%)	302 (14.7%)
Fruits	34 (39.5%)	724 (35.4%)
Dairy products	10 (11.6%)	212 (10.4%)
Food delivered/restaurant	-	84 (4.1%)
Sandwich	7 (8.1%)	139 (6.8%)
Other	11 (12.8%)	400 (19.5%)

#### 20. How has your food intake changed since your hospital admission?

Increased	42 (9.7%)	1138 (13.6%)
Decreased	152 (35.2%)	2694 (32.2%)
Stayed the same	185 (42.8%)	3504 (41.9%)
I do not know	35 (8.1%)	582 (7.0%)
Missing	18 (4.2%)	450 (5.4%)

#### 21. TODAY I feel...

Stronger than at admission	169 (39.1%)	3635 (43.4%)
Weaker than at admission	60 (13.9%)	1458 (17.4%)
Same as at admission	136 (31.5%)	2363 (28.2%)

I was admitted today	27 (6.3%)	236 (2.8%)
I do not know	30 (6.9%)	454 (5.4%)
Missing	10 (2.3%)	222 (2.7%)

**22. Can you walk without assistance TODAY?**

Yes	316 (73.1%)	4925 (58.9%)
No, only with assistance	71 (16.4%)	2067 (24.7%)
No, I stay in bed	28 (6.5%)	929 (11.1%)
Missing	17 (3.9%)	447 (5.3%)

<b>23. Did anyone help you complete this questionnaire?</b>	134 (32.1%)	5634 (69.0%)
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## V. Oncology: Unit organisation and structures ("Sheet 1 onco"):

	YOUR RESULTS	REFERENCE RESULTS
<b>Number of units with cancer patients:</b>	13	113
<b>Computerized system in hospital:</b>	13 units (100%) YES	109 units (96%) YES
<b>Nutritional treatment of cancer patients is part of overall care plan</b>	12 units (92%) YES	95 units (84%) YES
<b>Nutritional treatment is considered...</b>		
Routinely	6 (46,2%)	56 (49.6%)
When patient asks	7 (53,8%)	29 (25.7%)
When body weight loss > 10%	5 (38,5%)	39 (34.5%)
During palliative phase	5 (38,5%)	33 (29.2%)
Other	-	6 (5.31%)
Missing	1 (7,69%)	17 (15.0%)
<b>Nutritional treatment is not part of the comprehensive approach due to</b>		
Lack of evidence	-	7 (6.19%)
No knowledge of the field	-	7 (6.19%)
No reimbursement	-	7 (6.19%)
It feeds the tumour	-	1 (0.88%)
Other	-	4 (3.54%)
<b>Nutritional therapy used for cancer patients</b>		
Nutrition according to nutrition plan	11 (84,6%)	64 (56.6%)
Calculation of energy needs	11 (84,6%)	82 (72.6%)
Monitoring patients intake and use of oral supplements	12 (92,3%)	99 (87.6%)
None	-	4 (3.54%)
Other	1 (7,69%)	5 (4.42%)
Missing	1 (7,69%)	2 (1.77%)
<b>Nutritional therapy is not used due to</b>		
Lack of evidence	-	2 (1.77%)
Lack of experience	-	6 (5.31%)
No reimbursement	-	3 (2.65%)
Lack of dietitians	-	8 (7.08%)
Lack of other experts	-	3 (2.65%)
Other	-	1 (0.88%)
Missing	-	-
<b>Assessment of parameters in cancer patients &amp; methods used:</b>		

**Anthropometry/Body composition:****Body weight**

Regularly	9 (69,2%)	75 (66.4%)
At chemotherapy	1 (7,69%)	12 (10.6%)
When necessary	2 (15,4%)	23 (20.4%)
Never	-	1 (0.88%)
Unknown	-	1 (0.88%)
Missing	1 (7,69%)	1 (0.88%)

**Anthropometrics (circumference)**

Regularly	-	12 (10.6%)
At chemotherapy	2 (15,4%)	1 (0.88%)
When necessary	1 (7,69%)	40 (35.4%)
Never	9 (69,2%)	53 (46.9%)
Unknown	-	1 (0.88%)
Missing	1 (7,69%)	6 (5.31%)

**BIA**

Regularly	-	5 (4.42%)
At chemotherapy	-	-
When necessary	4 (30,8%)	23 (20.4%)
Never	8 (61,5%)	77 (68.1%)
Unknown	-	3 (2.65%)
Missing	1 (7,69%)	5 (4.42%)

**CT SCAN**

Regularly	1 (7,69%)	6 (5.31%)
At chemotherapy	-	1 (0.88%)
When necessary	2 (15,4%)	29 (25.7%)
Never	9 (69,2%)	70 (61.9%)
Unknown	-	3 (2.65%)
Missing	1 (7,69%)	4 (3.54%)

**DEXA**

Regularly	-	2 (1.77%)
At chemotherapy	-	-
When necessary	3 (23,1%)	15 (13.3%)
Never	9 (69,2%)	83 (73.5%)
Unknown	-	8 (7.08%)
Missing	1 (7,69%)	5 (4.42%)

**Other (body composition)**

Regularly	-	1 (0.88%)
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At chemotherapy	-	-
When necessary	2 (15,4%)	16 (14.2%)
Never	8 (61,5%)	40 (35.4%)
Unknown	2 (15,4%)	19 (16.8%)
Missing	1 (7,69%)	37 (32.7%)

### Body function:

#### Handgrip

Regularly	-	6 (5.31%)
At chemotherapy	-	1 (0.88%)
When necessary	3 (23,1%)	36 (31.9%)
Never	9 (69,2%)	60 (53.1%)
Unknown	-	4 (3.54%)
Missing	1 (7,69%)	6 (5.31%)

#### 6-minutes walking test

Regularly	-	3 (2.65%)
At chemotherapy	-	-
When necessary	3 (23,1%)	32 (28.3%)
Never	8 (61,5%)	66 (58.4%)
Unknown	1 (7,69%)	5 (4.42%)
Missing	1 (7,69%)	7 (6.19%)

#### Other (body function)

Regularly	-	4 (3.54%)
At chemotherapy	-	-
When necessary	3 (23,1%)	22 (19.5%)
Never	8 (61,5%)	45 (39.8%)
Unknown	1 (7,69%)	15 (13.3%)
Missing	1 (7,69%)	27 (23.9%)

#### Nutritional requirements, calculated

Regularly	2 (15,4%)	32 (28.3%)
At chemotherapy	-	-
When necessary	10 (76,9%)	64 (56.6%)
Never	-	5 (4.42%)
Unknown	-	-
Missing	1 (7,69%)	12 (10.6%)

#### Nutritional intake:

##### Every meal

Regularly	1 (7,69%)	31 (27.4%)
At chemotherapy	-	1 (0.88%)
When necessary	9 (69,2%)	49 (43.4%)

Never	2 (15,4%)	13 (11.5%)
Unknown	-	6 (5.31%)
Missing	1 (7,69%)	13 (11.5%)
<b>1 meal per day</b>		
Regularly	2 (15,4%)	12 (10.6%)
At chemotherapy	-	1 (0.88%)
When necessary	8 (61,5%)	34 (30.1%)
Never	2 (15,4%)	19 (16.8%)
Unknown	-	9 (7.96%)
Missing	1 (7,69%)	38 (33.6%)
<b>2 meals per day</b>		
Regularly	2 (15,4%)	12 (10.6%)
At chemotherapy	-	-
When necessary	8 (61,5%)	33 (29.2%)
Never	2 (15,4%)	20 (17.7%)
Unknown	-	9 (7.96%)
Missing	1 (7,69%)	39 (34.5%)
<b>24h recall</b>		
Regularly	1 (7,69%)	27 (23.9%)
At chemotherapy	-	2 (1.77%)
When necessary	7 (53,8%)	40 (35.4%)
Never	4 (30,8%)	12 (10.6%)
Unknown	-	7 (6.19%)
Missing	1 (7,69%)	25 (22.1%)
<b>Other (nutritional intake)</b>		
Regularly	-	2 (1.77%)
At chemotherapy	-	-
When necessary	2 (15,4%)	16 (14.2%)
Never	7 (53,8%)	22 (19.5%)
Unknown	-	17 (15.0%)
Missing	4 (30,8%)	56 (49.6%)
<b>Questionnaire completed by</b>		
Dietitian	1 (7,69%)	40 (35.4%)
Nurse	9 (69,2%)	29 (25.7%)
Physician	2 (15,4%)	38 (33.6%)
Nutritional scientist	-	5 (4.42%)
Other	-	-
Missing	1 (7,69%)	1 (0.88%)

## V. Oncology: Cancer patients - Diagnosis & therapy ("Sheet 2 onco"):

	YOUR RESULTS	REFERENCE RESULTS
<b>Number of patients completing Sheet 2_onco:</b>	65	959
<b>Demographic data:</b>		
Age (years)	69 [36-117]	66 [18-96]
Female gender	28 (43,1%)	378 (39.4%)
Weight (kg)	76,4 ± 16,9	65.1 ± 16.5
Height (cm)	171,7 ± 9,0	165.9 ± 9.9
BMI (kg/m2)	25,8 ± 5,0	23.7 ± 4.7
<b>Outpatient (o)/Ward (w)</b>		
Outpatient(o)	1 (1,54%)	63 (6.57%)
Ward (w)	64 (98,5%)	892 (93.0%)
Missing	-	4 (0.42%)
<b>Goal of Therapy</b>		
Curative	39 (60,0%)	554 (57.8%)
Palliative	22 (33,8%)	343 (35.8%)
Terminal	-	37 (3.86%)
Missing	4 (6,15%)	25 (2.61%)
<b>Reason for admission</b>		
Clinical diagnostics	14 (21,5%)	104 (10.8%)
Therapy	35 (53,8%)	469 (48.9%)
Surgery related	9 (13,8%)	200 (20.9%)
Treatment complications	-	119 (12.4%)
Poor health status	7 (10,8%)	118 (12.3%)
Independent care difficult	-	6 (0.63%)
Missing	-	-
<b>Present cancer diagnosis</b>		
Breast	4 (6,15%)	51 (5.32%)
Colon, rectum	5 (7,69%)	163 (17.0%)
Prostate	-	29 (3.02%)
Lung	13 (20,0%)	75 (7.82%)
Skin	2 (3,08%)	4 (0.42%)
Kidney/bladder	1 (1,54%)	30 (3.13%)
Gastric/oesophageal	6 (9,23%)	144 (15.0%)
Pancreas	1 (1,54%)	63 (6.57%)
Lymphoma	9 (13,8%)	94 (9.80%)
Ears nose throat (ENT)	3 (4,62%)	41 (4.28%)
Leukaemia	12 (18,5%)	74 (7.72%)
Genital tract	-	32 (3.34%)



Liver	-	103 (10.7%)
Sarcoma	-	8 (0.83%)
Brain	-	11 (1.15%)
Testicular	-	-
Other	10 (15,4%)	73 (7.61%)
Missing	1 (1,54%)	11 (1.15%)

### Time since diagnosis

0-2 months	20 (30,8%)	344 (35.9%)
3-5 months	14 (21,5%)	159 (16.6%)
6-12 months	7 (10,8%)	152 (15.8%)
1-2 years	13 (20,0%)	118 (12.3%)
2-4 years	5 (7,69%)	77 (8.03%)
> 4 years	4 (6,15%)	87 (9.07%)
Missing	1 (1,54%)	19 (1.98%)

### Cancer staging

0=Carcinoma in situ	4 (6,15%)	35 (3.65%)
I=Localized	6 (9,23%)	202 (21.1%)
II=Early locally advanced	15 (23,1%)	159 (16.6%)
III=Late locally advanced	2 (3,08%)	168 (17.5%)
IV=Metastasised	17 (26,2%)	287 (29.9%)
Missing	21 (32,3%)	108 (11.3%)

### Time since first therapy start

No therapy	5 (7,69%)	125 (13.0%)
Tumour staging/diagnosis	8 (12,3%)	63 (6.57%)
0-2 months	23 (35,4%)	267 (27.8%)
3-5 months	9 (13,8%)	128 (13.3%)
6-12 months	5 (7,69%)	135 (14.1%)
1-2 years	10 (15,4%)	90 (9.38%)
2-4 years	1 (1,54%)	59 (6.15%)
> 4 years	3 (4,62%)	98 (10.2%)
Missing	1 (1,54%)	16 (1.67%)

### Therapy situation

Diagnosis	14 (21,5%)	107 (11.2%)
Chemotherapy 1st line	22 (33,8%)	175 (18.2%)
Chemotherapy > 1st line	12 (18,5%)	142 (14.8%)
Radiotherapy	8 (12,3%)	67 (6.99%)
Target therapy	2 (3,08%)	30 (3.13%)
Hormone therapy	-	12 (1.25%)
Palliative	4 (6,15%)	108 (11.3%)
Surgery	10 (15,4%)	322 (33.6%)

Cancer related complications	-	57 (5.94%)
Therapy related complications	-	36 (3.75%)
Missing	1 (1,54%)	13 (1.36%)

### **Infections**

None	54 (83,1%)	731 (76.2%)
Local	4 (6,15%)	136 (14.2%)
General	6 (9,23%)	70 (7.30%)
Missing	1 (1,54%)	22 (2.29%)

### **Nutrition Treatment**

No special diet	43 (66,2%)	453 (47.2%)
Individualized diet plan	10 (15,4%)	228 (23.8%)
Energy rich/protein rich ONS	7 (10,8%)	120 (12.5%)
Enteral nutrition (via NGT/PEG)	1 (1,54%)	52 (5.42%)
Parenteral nutrition	3 (4,62%)	128 (13.3%)
ONS enriched with special nutrients	2 (3,08%)	19 (1.98%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	7 (0.73%)
Personal preferences	1 (1,54%)	109 (11.4%)
Counselling	2 (3,08%)	54 (5.63%)
Other	3 (4,62%)	27 (2.82%)
Missing	-	-

## V. Oncology: Cancer patients - Appetite, food intake & quality of life ("Sheet 3 onco"):

	YOUR RESULTS	REFERENCE RESULTS
<b>Number of patients completing Sheet 3_onco:</b>	61	951
<b>Body weight prior to becoming ill</b>	80 [50-142]	70 [22-180]
<b>Actual body weight</b>	74 [42-126]	63 [21-128]
<b>Change in weight was</b>		
Intentional	6 (9,23%)	31 (3.23%)
Unintentional	40 (61,5%)	607 (63.3%)
Weight is stable	5 (7,69%)	154 (16.1%)
Missing	4 (6,15%)	30 (3.13%)
<b>During the last week</b>		
<b>Patients who have had pain:</b>		
Not at all	20 (30,8%)	329 (34.3%)
A little	13 (20,0%)	263 (27.4%)
Quite a bit	13 (20,0%)	161 (16.8%)
Very much	9 (13,8%)	107 (11.2%)
Missing	8 (12,3%)	87 (9.07%)
<b>Patients who needed a rest:</b>		
Not at all	10 (15,4%)	230 (24.0%)
A little	11 (16,9%)	279 (29.1%)
Quite a bit	12 (18,5%)	212 (22.1%)
Very much	21 (32,3%)	125 (13.0%)
Missing	9 (13,8%)	95 (9.91%)
<b>Patients who felt weak:</b>		
Not at all	14 (21,5%)	228 (23.8%)
A little	8 (12,3%)	266 (27.7%)
Quite a bit	13 (20,0%)	224 (23.4%)
Very much	19 (29,2%)	135 (14.1%)
Missing	10 (15,4%)	92 (9.59%)
<b>Patients who felt depressed:</b>		
Not at all	19 (29,2%)	348 (36.3%)
A little	11 (16,9%)	303 (31.6%)
Quite a bit	7 (10,8%)	125 (13.0%)
Very much	16 (24,6%)	72 (7.51%)
Missing	9 (13,8%)	89 (9.28%)
<b>Patients who were tired:</b>		

Not at all	8 (12,3%)	241 (25.1%)
A little	13 (20,0%)	283 (29.5%)
Quite a bit	10 (15,4%)	213 (22.2%)
Very much	23 (35,4%)	116 (12.1%)
Missing	9 (13,8%)	89 (9.28%)

#### **Patients whose pain interfered with their daily activities:**

Not at all	22 (33,8%)	373 (38.9%)
A little	6 (9,23%)	220 (22.9%)
Quite a bit	11 (16,9%)	142 (14.8%)
Very much	14 (21,5%)	110 (11.5%)
Missing	10 (15,4%)	94 (9.80%)

#### **Patients who lacked appetite:**

Not at all	25 (38,5%)	347 (36.2%)
A little	12 (18,5%)	238 (24.8%)
Quite a bit	4 (6,15%)	149 (15.5%)
Very much	12 (18,5%)	113 (11.8%)
Missing	9 (13,8%)	95 (9.91%)

#### **Just now**

#### **Patients who have pain:**

Not at all	31 (47,7%)	375 (39.1%)
A little	14 (21,5%)	304 (31.7%)
Quite a bit	6 (9,23%)	122 (12.7%)
Very much	5 (7,69%)	45 (4.69%)
Missing	8 (12,3%)	98 (10.2%)

#### **Patients who need a rest:**

Not at all	14 (21,5%)	192 (20.0%)
A little	11 (16,9%)	322 (33.6%)
Quite a bit	11 (16,9%)	230 (24.0%)
Very much	18 (27,7%)	98 (10.2%)
Missing	9 (13,8%)	96 (10.0%)

#### **Patients who feel weak:**

Not at all	20 (30,8%)	209 (21.8%)
A little	7 (10,8%)	313 (32.6%)
Quite a bit	14 (21,5%)	219 (22.8%)
Very much	13 (20,0%)	99 (10.3%)
Missing	10 (15,4%)	98 (10.2%)

#### **Patients who are depressed:**

Not at all	23 (35,4%)	375 (39.1%)
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A little	13 (20,0%)	314 (32.7%)
Quite a bit	6 (9,23%)	116 (12.1%)
Very much	11 (16,9%)	39 (4.07%)
Missing	9 (13,8%)	96 (10.0%)

#### Patients who are tired:

Not at all	17 (26,2%)	222 (23.1%)
A little	11 (16,9%)	343 (35.8%)
Quite a bit	9 (13,8%)	197 (20.5%)
Very much	17 (26,2%)	82 (8.55%)
Missing	9 (13,8%)	94 (9.80%)

#### Patients whose pain interferes with their daily activities:

Not at all	29 (44,6%)	339 (35.3%)
A little	6 (9,23%)	259 (27.0%)
Quite a bit	10 (15,4%)	154 (16.1%)
Very much	10 (15,4%)	80 (8.34%)
Missing	9 (13,8%)	100 (10.4%)

#### Patients who lack appetite:

Not at all	31 (47,7%)	327 (34.1%)
A little	7 (10,8%)	264 (27.5%)
Quite a bit	8 (12,3%)	157 (16.4%)
Very much	9 (13,8%)	92 (9.59%)
Missing	9 (13,8%)	99 (10.3%)

#### Reasons for change in appetite/food intake

Nausea/Vomiting	8 (12,3%)	154 (16.1%)
Inflammation in mouth	7 (10,8%)	55 (5.74%)
Pain	7 (10,8%)	116 (12.1%)
Constipation	5 (7,69%)	64 (6.67%)
Diarrhea	3 (4,62%)	42 (4.38%)
Change in taste/smell	11 (16,9%)	104 (10.8%)
Early satiation/Loss of appetite	12 (18,5%)	217 (22.6%)
Other	2 (3,08%)	165 (17.2%)
Missing	-	45 (4.69%)

#### Maximum activity performed by patients

Able to do sports	2 (3,08%)	38 (3.96%)
Fully active	15 (23,1%)	125 (13.0%)
Able to carry out light activities	21 (32,3%)	184 (19.2%)
Able to carry out self care	11 (16,9%)	215 (22.4%)
Able to carry out limited self care	5 (7,69%)	146 (15.2%)
Confined to bed or chair	2 (3,08%)	142 (14.8%)

Missing	9 (13,8%)	96 (10.0%)
<b>Patient takes additional (without prescription)</b>		
Nothing	27 (41,5%)	611 (63.7%)
Herbal tea	12 (18,5%)	75 (7.82%)
Nutritional supplements	12 (18,5%)	61 (6.36%)
Multivitamin	1 (1,54%)	37 (3.86%)
Other medication	1 (1,54%)	44 (4.59%)
Other	8 (12,3%)	49 (5.11%)
Missing	10 (15,4%)	116 (12.1%)
<b>Additional activities performed</b>		
Nothing	29 (44,6%)	710 (74.0%)
Psychotherapy	10 (15,4%)	17 (1.77%)
Yoga	-	9 (0.94%)
Meditation	6 (9,23%)	21 (2.19%)
Progressive muscle relaxation	2 (3,08%)	14 (1.46%)
Qigong	1 (1,54%)	1 (0.10%)
Other	11 (16,9%)	68 (7.09%)
Missing	9 (13,8%)	129 (13.5%)
<b>Patients having difficulties in complying with treatment</b>	4 (6,15%)	181 (18.9%)
<b>Patients needing help to complete questionnaire</b>	28 (43,1%)	545 (56.8%)
<b>Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:</b>	23 (35,4%)	549 (57.2%)