



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2017 and for your effort. We are now able to present you your country report of the following sample size:

<b>Number of participated center:</b>	<b>61</b>
<b>Number of participated units:</b>	<b>133</b>
<b>Number of patients:</b>	<b>2139</b>
<b>Number of patients who gave consent:</b>	<b>1983</b>
<b>Number of patients completing Sheet 3a:</b>	<b>1942</b>
<b>Number of patients completing Sheet 3b:</b>	<b>1930</b>
<b>Number of cancer patients:</b>	<b>381</b>
<b>Number of patients completing Sheet 2_onco:</b>	<b>152</b>
<b>Number of patients completing Sheet 3_onco:</b>	<b>152</b>
<b>Number of patients with 30-day outcome assessment:</b>	<b>1959</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 hospital.

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 2018. 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>	329 [232-531]	290 [162-548]
<b>2. Total number of admissions in the hospital last year</b>	15046 [10599-22121]	16544 [7529-35485]
<b>3. Total number of staff in the hospital</b>		
Total medical doctors	169 [117-270]	161 [64-352]
Medical specialists	147 [108-237]	108 [42-202]
Medical non-specialists	16 [4-46]	33 [11-78]
Nurses	447 [315-798]	347 [123-753]
Dieticians	8 [5-12]	4 [2-8]
Nutritionists	0 [0-1]	1 [0-4]
Pharmacists	6 [4-11]	6 [3-17]
Kitchen staff	29 [19-48]	29 [13-53]
<b>Full time equivalent</b>		
Total medical doctors	120 [62-285]	119 [53-333]
Medical specialists	94 [59-212]	88 [43-204]
Medical non-specialists	20 [2-102]	31 [10-79]
Nurses	335 [249-545]	309 [119-725]
Dieticians	6 [4-9]	4 [2-7]
Nutritionists	0 [0-1]	1 [0-3]
Pharmacists	6 [4-10]	5 [3-15]
Kitchen staff	24 [14-40]	22 [13-46]
<b>4. Does the hospital have a nutrition care strategy?</b>	50 (90.9%) Yes	203 (77.5%) Yes
<b>5. Which nutrition-related standards or routine activities exist in your hospital?</b>		
Nutrition training is available	38 (69.1%) Yes	170 (64.9%) Yes
Nutrition steering committee is available	51 (92.7%) Yes	151 (57.6%) Yes
Quality indicators are recorded and reported to national or regional level	43 (78.2%) Yes	105 (40.1%) Yes
Quality indicators are used for internal benchmarking	23 (41.8%) Yes	134 (51.1%) Yes
Patient feedback about food and food service is collected using a questionnaire	48 (87.3%) Yes	184 (70.2%) Yes
None	1 (1.8%) Yes	17 (6.5%) 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	23 (41.8%) Yes	121 (46.2%) Yes
Oral nutrition supplements	10 (18.2%) Yes	99 (37.8%) Yes

Parenteral nutrition	37 (67.3%) Yes	139 (53.1%) Yes
Enteral nutrition	30 (54.5%) Yes	119 (45.4%) Yes
Dietary counseling	20 (36.4%) Yes	86 (32.8%) Yes
Specific dietary interventions	12 (21.8%) Yes	70 (26.7%) Yes
Screening for malnutrition	15 (27.3%) Yes	61 (23.3%) Yes
Risk of malnutrition	13 (23.6%) Yes	63 (24.0%) Yes
Malnutrition (in general)	27 (49.1%) Yes	118 (45.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	26 (47.3%) Yes	114 (43.5%) Yes
No information available from billing/finance/controlling	15 (27.3%) Yes	39 (14.9%) Yes
No answer given	-	21 (8.0%)

### Codes routinely used

Nutrition Support	21 (38.2%) Yes	100 (38.2%) Yes
Oral nutrition supplements	9 (16.4%) Yes	82 (31.3%) Yes
Parenteral nutrition	37 (67.3%) Yes	123 (46.9%) Yes
Enteral nutrition	32 (58.2%) Yes	103 (39.3%) Yes
Dietary counseling	16 (29.1%) Yes	68 (26.0%) Yes
Specific dietary interventions	12 (21.8%) Yes	59 (22.5%) Yes
Screening for malnutrition	15 (27.3%) Yes	48 (18.3%) Yes
Risk of malnutrition	11 (20.0%) Yes	44 (16.8%) Yes
Malnutrition (in general)	27 (49.1%) Yes	98 (37.4%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	25 (45.5%) Yes	98 (37.4%) Yes
No information available from billing/finance/controlling	14 (25.5%) Yes	46 (17.6%) Yes
No answer given	-	31 (1.5%)

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	18 (13.5%)	20.2%
Internal Medicine / Cardiology	2 (1.5%)	5.5%
Internal Medicine / Gastroenterology & hepatology	10 (7.5%)	6.5%
Internal Medicine / Geriatrics	37 (27.8%)	8.2%
Internal Medicine / Infectious diseases	-	1.1%
Internal Medicine / Nephrology	1 (0.8%)	1.1%
Internal Medicine / Oncology (incl. radiotherapy)	10 (7.5%)	7.6%
Interdisciplinary	1 (0.8%)	4.4%
Long term care	10 (7.5%)	2.1%
Neurology	6 (4.5%)	2.9%
Surgery / General	8 (6.0%)	17.3%
Surgery/ Cardiac/Vascular/Thoracic	1 (0.8%)	1.5%
Surgery / Neurosurgery	-	1.1%
Surgery / Orthopedic	5 (3.8%)	4.2%
Trauma	1 (0.8%)	1.5%
Ear Nose Throat (ENT)	2 (1.5%)	1.5%
Gynecology / Obstetrics	-	2.1%
Pediatrics	-	0.0%
Psychiatry	5 (3.8%)	0.6%
Others	16 (12.0%)	10.7%
<b>2. Number of registered inpatients at noon</b>	21 [18-26]	25 [18-34]
<b>3. Total bed capacity of the unit</b>	28 [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	2 [1-3]	4 [2-8]
Nurses	4 [3-5]	5 [4-8]
Nursing aides	1 [0-2]	2 [1-4]
Dieticians	1 [1-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [0-1]	1 [0-2]
Other staff involved in patient care	1 [1-2]	1 [0-3]
<b>In training</b>		
Medical doctors	1 [0-2]	1 [0-3]
Medical students	0 [0-1]	0 [0-2]
Nurses	2 [1-3]	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 [0-1]	0 [0-0]

**5. Is there a nutrition support team in your hospital available?** 105 (80.8%) Yes 337 (74.2%) Yes

**6. Does the unit have a nutrition care strategy?** 91 (70.0%) Yes 330 (72.7%) Yes

**7. Is there a person in your unit responsible for nutrition care?** 85 (65.4%) Yes 331 (72.9%) Yes

**8. Is there a dietician, nutritionist or dietetic assistant available for your unit?** 128 (98.5%) Yes 410 (90.3%) Yes

**9. Is specific staff responsible for providing feeding assistance to patients during meal times?** 85 (65.4%) Yes 282 (62.1%) Yes

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

#### At admission

No routine screening	6 (4.5%) Yes	46 (9.7%) Yes
No fixed criteria	-	10 (2.1%) Yes
Experience / visual assessment only	11 (8.3%) Yes	43 (9.1%) Yes
Weighing / BMI only	19 (14.3%) Yes	66 (13.9%) Yes
Nutritional Risk Screening (NRS) 2002	72 (54.1%) Yes	136 (28.6%) Yes
Malnutrition Universal Screening Tool (MUST)	7 (5.3%) Yes	29 (6.1%) Yes
Malnutrition Screening tool (MST)	-	42 (8.8%) Yes
SNAQ	-	2 (0.42%) Yes
Other formal tool	14 (10.5%) Yes	77 (16.2%) Yes
I do not know	1 (0.75%) Yes	3 (0.63%) Yes
Missing	3 (2.3%)	21 (4.4%)

#### During hospital stay

No routine monitoring	7 (5.3%) Yes	44 (9.3%) Yes
No fixed criteria	9 (6.8%) Yes	44 (9.3%) Yes
Experience / visual assessment only	24 (18.0%) Yes	90 (18.9%) Yes
Weighing / BMI only	59 (44.4%) Yes	136 (28.6%) Yes
Other formal tool	27 (20.3%) Yes	130 (27.4%) Yes
I do not know	4 (3.0%) Yes	10 (2.1%) Yes
Missing	3 (2.3%)	21 (4.4%)

**11a. Do you routinely use guidelines or standards for nutrition care?** 103 (80.5%) Yes 354 (78.8%) Yes

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

International guidelines	36 (35.0%) Yes	91 (25.7%) Yes
National guidelines	7 (6.8%) Yes	56 (15.8%) Yes
Standards on hospital level	25 (24.3%) Yes	119 (33.6%) Yes
Standards on unit level	11 (10.7%) Yes	24 (6.8%) Yes
Individual patient nutrition care plans	17 (16.5%) Yes	57 (16.1%) Yes
Other	3 (2.9%) Yes	4 (1.1%) Yes
Missing	4 (3.9%)	3 (0.85%)

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

Watchful waiting	36 (27.1%) Yes	142 (29.9%) Yes
Discuss nutrition care activities during ward rounds	72 (54.1%) Yes	199 (41.9%) Yes
Develop an individual nutrition care plan	71 (53.4%) Yes	251 (52.8%) Yes
Initiate treatment / nutrition intervention	92 (69.2%) Yes	286 (60.2%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	90 (67.7%) Yes	292 (61.5%) Yes
Consult a medical professional	59 (44.4%) Yes	178 (37.5%) Yes
Calculate energy requirements	53 (39.8%) Yes	240 (50.5%) Yes
Calculate protein requirements	45 (33.8%) Yes	234 (49.3%) Yes

**Malnourished**

Watchful waiting	28 (21.1%) Yes	101 (21.3%) Yes
Discuss nutrition care activities during ward rounds	67 (50.4%) Yes	218 (45.9%) Yes
Develop an individual nutrition care plan	61 (45.9%) Yes	267 (56.2%) Yes
Initiate treatment / nutrition intervention	79 (59.4%) Yes	316 (66.5%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	75 (56.4%) Yes	294 (61.9%) Yes
Consult a medical professional	68 (51.1%) Yes	192 (40.4%) Yes
Calculate energy requirements	70 (52.6%) Yes	270 (56.8%) Yes
Calculate protein requirements	63 (47.4%) Yes	266 (56.0%) Yes

**Every patient**

Watchful waiting	99 (74.4%) Yes	204 (42.9%) Yes
Discuss nutrition care activities during ward rounds	42 (31.6%) Yes	131 (27.6%) Yes
Develop an individual nutrition care plan	46 (34.6%) Yes	79 (16.6%) Yes
Initiate treatment / nutrition intervention	22 (16.5%) Yes	61 (12.8%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	37 (27.8%) Yes	77 (16.2%) Yes
Consult a medical professional	34 (25.6%) Yes	105 (22.1%) Yes
Calculate energy requirements	16 (12.0%) Yes	56 (11.8%) Yes
Calculate protein requirements	15 (11.3%) Yes	50 (10.5%) Yes

**Never**

Watchful waiting	2 (1.5%) Yes	35 (7.4%) Yes
Discuss nutrition care activities during ward rounds	4 (3.0%) Yes	38 (8.0%) Yes

Develop an individual nutrition care plan	2 (1.5%) Yes	32 (6.7%) Yes
Initiate treatment / nutrition intervention	1 (0.75%) Yes	6 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	8 (1.7%) Yes
Consult a medical professional	9 (6.8%) Yes	49 (10.3%) Yes
Calculate energy requirements	19 (14.3%) Yes	51 (10.7%) Yes
Calculate protein requirements	27 (20.3%) Yes	55 (11.6%) Yes

### **I do not know**

Watchful waiting	8 (6.0%) Yes	22 (4.6%) Yes
Discuss nutrition care activities during ward rounds	6 (4.5%) Yes	11 (2.3%) Yes
Develop an individual nutrition care plan	6 (4.5%) Yes	5 (1.1%) Yes
Initiate treatment / nutrition intervention	8 (6.0%) Yes	5 (1.1%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	4 (3.0%) Yes	4 (0.84%) Yes
Consult a medical professional	8 (6.0%) Yes	19 (4.0%) Yes
Calculate energy requirements	11 (8.3%) Yes	12 (2.5%) Yes
Calculate protein requirements	12 (9.0%) Yes	14 (2.9%) Yes

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

at admission	70 (52.6%) Yes	300 (63.2%) Yes
Within 24 hours	33 (24.8%) Yes	70 (14.7%) Yes
Within 48 hours	21 (15.8%) Yes	20 (4.2%) Yes
Within 72 hours	8 (6.0%) Yes	14 (2.9%) Yes
Every week	78 (58.6%) Yes	164 (34.5%) Yes
Occasionally	10 (7.5%) Yes	60 (12.6%) Yes
When requested	69 (51.9%) Yes	212 (44.6%) Yes
At discharge	13 (9.8%) Yes	22 (4.6%) Yes
Never	1 (0.75%) Yes	8 (1.7%) Yes
I do not know	1 (0.75%) Yes	1 (0.21%) Yes
No answer given	1 (2.9%)	23 (4.8%)

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

Offer additional meals or in between snacks	116 (87.2%) Yes	350 (73.7%) Yes
Offer meal choices	103 (77.4%) Yes	348 (73.3%) Yes
Offer different portion sizes	118 (88.7%) Yes	292 (61.5%) Yes
Consider food presentation	33 (24.8%) Yes	198 (41.7%) Yes
Change food texture/consistency as needed	125 (94.0%) Yes	389 (81.9%) Yes
Consider patient problems with eating and drinking	114 (85.7%) Yes	385 (81.1%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	29 (21.8%) Yes	58 (12.2%) Yes
Promote positive eating environment	44 (33.1%) Yes	92 (19.4%) Yes
Consider cultural/religious preferences	121 (91.0%) Yes	200 (42.1%) Yes
Consider patient allergies / intolerances	125 (94.0%) Yes	228 (48.0%) Yes
Other	17 (12.8%) Yes	29 (6.1%) Yes
I do not know	3 (2.3%) Yes	6 (1.3%) Yes
No answer given	3 (2.3%)	21 (4.4%)

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

Nutrition training is available	73 (54.9%) Yes	267 (56.2%) Yes
Reporting of nutrition related information to hospital managers	58 (43.6%) Yes	211 (44.4%) Yes
Quality indicators are recorded and reported to national or regional level	75 (56.4%) Yes	131 (27.6%) Yes
Quality indicators are used for internal benchmarking	38 (28.6%) Yes	175 (36.8%) Yes
Patient feedback about food and food service is collected using a questionnaire	98 (73.7%) Yes	302 (63.6%) Yes
None	1 (0.75%) Yes	21 (4.4%) Yes
I do not know	9 (6.8%) Yes	13 (2.7%) Yes
No answer given	3 (2.3%)	37 (7.8%)

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

Change in weight	104 (78.2%) Yes	373 (78.5%) Yes
Eating habits/difficulties	104 (78.2%) Yes	349 (73.5%) Yes
Nutrition before admission	88 (66.2%) Yes	271 (57.1%) Yes
None	2 (1.5%) Yes	9 (1.9%) Yes
I do not know	10 (7.5%) Yes	5 (1.1%) Yes
No answer given	3 (2.3%)	39 (8.2%)

**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	117 (88.0%) Yes	335 (70.5%) Yes
nutrition treatment	95 (71.4%) Yes	280 (58.9%) Yes
None	-	30 (6.3%) Yes
I do not know	10 (7.5%) Yes	4 (0.84%) Yes

**b. Discharge Letter ...**

summarizes nutrition treatment received during stay	77 (57.9%) Yes	171 (36.0%) Yes
makes future nutrition-related recommendations	80 (60.2%) Yes	269 (56.6%) Yes
None	5 (3.8%) Yes	56 (11.8%) Yes
I do not know	22 (16.5%) Yes	26 (5.5%) Yes

<b>18. Do you provide brochures about malnutrition to at risk/malnourished patients?</b>	71 (61.7%) Yes	171 (44.5%) Yes
--	----------------	-----------------

**19. Who filled in this sheet?**

Head staff	84 (63.2%) Yes	120 (25.3%) Yes
Dietician	88 (66.2%) Yes	244 (51.4%) Yes
Nurse	42 (31.6%) Yes	127 (26.7%) Yes
Physician	5 (3.8%) Yes	74 (15.6%) Yes
Administrative staff	-	4 (0.84%) Yes



Other	10 (7.5%) Yes	8 (1.7%) Yes
None	-	-
I do not know	1 (0.75%) Yes	3 (0.63%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	1983	9133
Age	74 [60-84]	67 [53-78]
Female	1068 (53.9%)	4630 (50.7%)
Weight	72.5±18.5	68.8±18.8
Height	167±10	164±10
BMI	26.0±6.0	25.4±6.0

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

planned	683 (34.4%)	3186 (34.9%)
an emergency	1130 (57.0%)	5234 (57.3%)
I do not know	170 (8.6%)	713 (7.8%)
No answer given	-	-

#### 2a. Diagnosis at admission

0100 Infectious and parasitic diseases	232 (11.7%)	833 (9.1%)
0200 Neoplasms	286 (14.4%)	1451 (15.9%)
0300 Blood and bloodforming organs and the immune mechanism	92 (4.6%)	612 (6.7%)
0400 Endocrine, nutritional and metabolic diseases	206 (10.4%)	1103 (12.1%)
0500 Mental health	270 (13.6%)	340 (3.7%)
0600 Nervous system	244 (12.3%)	795 (8.7%)
0700 Eye and adnexa	18 (0.91%)	134 (1.5%)
0800 Ear and mastoid process	11 (0.55%)	71 (0.78%)
0900 Circulatory system	394 (19.9%)	1817 (19.9%)
1000 Respiratory system	306 (15.4%)	1407 (15.4%)
1100 Digestive system	398 (20.1%)	2255 (24.7%)
1200 Skin and subcutaneous tissue	79 (4.0%)	444 (4.9%)
1300 Musculoskeletal system and connective tissue	472 (23.8%)	1332 (14.6%)
1400 Genitourinary system	228 (11.5%)	847 (9.3%)
1500 Pregnancy, childbirth and the puerperium	-	126 (1.4%)
1600 Conditions originating in the perinatal period	-	22 (0.24%)
1700 Congenital/chromosomal abnormalities	3 (0.15%)	9 (0.10%)
1800 Symptoms, signs, abnormal clinical/lab findings	115 (5.8%)	410 (4.5%)
1900 Injury, poisoning	64 (3.2%)	291 (3.2%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	69 (3.5%)	173 (1.9%)
2100 Factors influencing health status and contact with health services	125 (6.3%)	214 (2.3%)
No answer given	-	-

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

Cardiac insufficiency	472 (24.1%)	1665 (22.5%)
-----------------------	-------------	--------------

Myocardial infarction	95 (4.9%)	418 (5.9%)
Chronic lung disease	323 (16.5%)	1118 (15.3%)
Cerebral vascular disease	170 (8.7%)	768 (10.7%)
Peripheral vascular disease	259 (13.3%)	888 (12.3%)
Chronic liver disease	106 (5.4%)	457 (6.4%)
Chronic kidney disease	247 (12.7%)	853 (11.8%)
Diabetes	420 (21.5%)	1983 (26.8%)
Cancer	381 (19.5%)	1815 (24.8%)
Infection	322 (16.5%)	1166 (16.0%)
Dementia	194 (9.9%)	398 (5.6%)
Major depressive disorder	174 (8.9%)	390 (5.5%)
Other chronic mental disorder	159 (8.2%)	387 (5.5%)
Other chronic disease	408 (20.9%)	2029 (27.4%)
None	309 (15.6%)	1421 (15.6%)

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

Yes, planned	346 (17.4%)	1796 (19.7%)
Yes, acute	116 (5.8%)	561 (6.1%)
No	1468 (74.0%)	6420 (70.3%)
I do not know	27 (1.4%)	130 (1.4%)
Missing	26 (1.3%)	226 (2.5%)

Days since operation	3 [1-14]	4 [1-13]
----------------------	----------	----------

#### 4b. Planned operation during this hospital stay

Yes, today or tomorrow	67 (3.4%)	766 (8.4%)
Yes, later	40 (2.0%)	536 (5.9%)
No	1629 (82.1%)	6795 (74.4%)
I do not know	224 (11.3%)	417 (4.6%)
Missing	23 (1.2%)	619 (6.8%)

<b>5. Previous ICU admission during this hospital stay? (Yes)</b>	188 (9.5%)	982 (10.8%)
---	------------	-------------

<b>6. Is this patient terminally ill?</b>	48 (2.4%)	660 (7.2%)
---	-----------	------------

#### 7. Fluid status

Normal	1531 (77.2%)	7154 (78.3%)
Overloaded	102 (5.1%)	518 (5.7%)
Dehydrated	92 (4.6%)	475 (5.2%)
I do not know	258 (13.0%)	986 (10.8%)
Missing	-	-

#### 8. Number of different medications planned

Oral	7 [4-10]	5 [2-8]
------	----------	---------

Other	2 [1-3]	2 [1-4]
-------	---------	---------

### 9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	384 (19.4%)	914 (10.0%)
At risk	451 (22.7%)	1610 (17.6%)
No	991 (50.0%)	5843 (64.0%)
I do not know	157 (7.9%)	766 (8.4%)
Missing	-	-

### 10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	443 (22.3%)	3595 (39.4%)
5% Glucose solution	231 (11.6%)	877 (9.6%)

### 11. Number of ONS drinks planned

0 [0-1]	0 [0-0]
---------	---------

### 12. Nutrition intake

Regular hospital food	1038 (52.3%)	5097 (55.8%)
Fortified/enriched hospital food	587 (29.6%)	801 (8.8%)
Protein/energy supplement (e.g. ONS drinks)	454 (22.9%)	1073 (11.7%)
Enteral nutrition	50 (2.5%)	495 (5.4%)
Parenteral nutrition	40 (2.0%)	485 (5.3%)
Special diet	699 (35.2%)	3173 (34.7%)
None	50 (2.5%)	506 (5.5%)

### 13a. All lines and Tubes

Central Venous	178 (9.0%)	752 (8.2%)
Peripheral venous access	526 (26.5%)	4362 (47.8%)
Nasogastric	22 (1.1%)	269 (2.9%)
Nasojejunal	4 (0.20%)	38 (0.42%)
Nasoduodenal	8 (0.40%)	22 (0.24%)
Enterostoma	5 (0.25%)	46 (0.50%)
Percutaneous endoscopy/surgical gastrostomy	12 (0.61%)	71 (0.78%)
Percutaneous endoscopy/surgical jejunostomy	6 (0.30%)	29 (0.32%)
None	1263 (63.7%)	4024 (44.1%)

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

Yes, previously	33 (1.7%)	93 (1.0%)
Yes, ongoing	14 (0.71%)	80 (0.88%)
No	1494 (75.3%)	7577 (83.0%)
I do not know	260 (13.1%)	871 (9.5%)
Missing	182 (9.2%)	512 (5.6%)

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

Energy requirements were determined	634 (32.0%)	3246 (35.5%)
-------------------------------------	-------------	--------------

Protein requirements were determined	550 (27.7%)	2888 (31.6%)
Food/Nutrition intake was recorded in the patient record	968 (48.8%)	4124 (45.2%)
Nutrition treatment plan was developed	786 (39.6%)	3183 (34.9%)
Nutrition expert was consulted	957 (48.3%)	3050 (33.4%)
Malnutrition status is recorded in the patient record	916 (46.2%)	2529 (27.7%)
None	-	-

### 15a. Energy goal

< 500 kcal	61 (3.1%)	335 (3.7%)
500-999 kcal	4 (0.20%)	109 (1.2%)
1000-1499 kcal	81 (4.1%)	957 (10.5%)
1500-1999 kcal	723 (36.5%)	2729 (29.9%)
>=2000 kcal	263 (13.3%)	993 (10.9%)
Not determined	688 (34.7%)	3222 (35.3%)
I do not know	163 (8.2%)	752 (8.2%)
Missing	-	36 (0.39%)

### 15b. Energy intake

< 500 kcal	100 (5.0%)	615 (6.7%)
500-999 kcal	48 (2.4%)	525 (5.7%)
1000-1499 kcal	206 (10.4%)	1192 (13.1%)
1500-1999 kcal	453 (22.8%)	2032 (22.2%)
>=2000 kcal	110 (5.5%)	597 (6.5%)
Not determined	780 (39.3%)	2998 (32.8%)
I do not know	286 (14.4%)	1122 (12.3%)
Missing	-	52 (0.57%)

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

Improved	925 (46.6%)	4626 (50.7%)
Deteriorated	122 (6.2%)	514 (5.6%)
Remained the same	532 (26.8%)	2506 (27.4%)
This patient has just been admitted	201 (10.1%)	574 (6.3%)
I do not know	203 (10.2%)	913 (10.0%)
Missing	-	-

Length of hospital stay (days)	16 [8-29]	12 [6-24]
--------------------------------	-----------	-----------

### Outcome Code

1= Still in the hospital	267 (13.5%)	796 (8.7%)
2= Transferred to another hospital	36 (1.8%)	219 (2.4%)
3= Transferred to long term care	204 (10.3%)	373 (4.1%)
4= Rehabilitation	54 (2.7%)	500 (5.5%)
5= Discharged home	1287 (64.9%)	6731 (73.7%)
6= Death	54 (2.7%)	283 (3.1%)

7= Others	57 (2.9%)	175 (1.9%)
Missing	24 (1.2%)	56 (0.61%)
Readmitted since ND		
1= No	1171 (71.6%)	6273 (77.4%)
2= Yes, same hospital planned	93 (5.7%)	483 (6.0%)
3= Yes, same hospital unplanned	103 (6.3%)	471 (5.8%)
4= Yes, different hospital planned	5 (0.31%)	45 (0.56%)
5= Yes, different hospital unplanned	5 (0.31%)	45 (0.56%)
6= Unknown	50 (3.1%)	366 (4.5%)
Missing	201 (12.3%)	428 (5.3%)

#### 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	1478 (76.1%)	6102 (69.3%)
I am vegetarian	41 (2.1%)	153 (1.7%)
I adhere to a vegan diet	3 (0.15%)	53 (0.60%)
I eat gluten-free diet	11 (0.57%)	78 (0.89%)
I avoid added sugars	259 (13.3%)	1353 (15.4%)
I avoid carbohydrates	51 (2.6%)	515 (5.9%)
I eat a low fat-diet	128 (6.6%)	1034 (11.8%)
I am lactose intolerant	32 (1.6%)	343 (3.9%)
Other special diet due to intolerances/allergies	37 (1.9%)	179 (2.0%)
Other	110 (5.7%)	617 (7.0%)
No answer given	15 (0.77%)	217 (2.5%)
<b>2. Where did you live before your current hospital admission?</b>		
At home	1670 (86.0%)	7771 (88.3%)
In a nursing home or other live-in facility	135 (7.0%)	295 (3.4%)
I was transferred from another hospital	90 (4.6%)	456 (5.2%)
Other	36 (1.9%)	147 (1.7%)
Missing	11 (0.57%)	131 (1.5%)
<b>3. In general, are you able to walk?</b>		
Yes	1095 (56.4%)	5599 (63.6%)
Yes, with someone's help	193 (9.9%)	963 (10.9%)
Yes, independently using a cane, walker, or crutches	462 (23.8%)	1142 (13.0%)
No, I have a wheelchair	100 (5.1%)	383 (4.4%)
No, I am bedridden	69 (3.6%)	579 (6.6%)
Missing	23 (1.2%)	134 (1.5%)
<b>4. In general, how would you say your health is?</b>		
Very good	135 (7.0%)	633 (7.2%)
Good	684 (35.2%)	3217 (36.6%)
Fair	743 (38.3%)	3329 (37.8%)
Poor	286 (14.7%)	1202 (13.7%)
Very poor	72 (3.7%)	268 (3.0%)
Missing	22 (1.1%)	151 (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?	7 [3-12]	4 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [0-2]	1 [0-2]
... how many nights in total have you spent in hospital?	5 [0-20]	5 [0-15]

<b>6. How many different medications do you take routinely each day (prior to hospitalisation)?</b>		
1-2	284 (14.6%)	1694 (19.3%)
3-5	473 (24.4%)	2352 (26.7%)
More than 5	901 (46.4%)	2722 (30.9%)
None	185 (9.5%)	1418 (16.1%)
I do not know	68 (3.5%)	449 (5.1%)
Missing	31 (1.6%)	165 (1.9%)

<b>7. Do you have health insurance?</b>		
Yes, private insurance only	469 (24.2%)	1319 (15.0%)
Yes, public insurance only	686 (35.3%)	4350 (49.4%)
Yes, both	191 (9.8%)	1115 (12.7%)
None	218 (11.2%)	1177 (13.4%)
I prefer not to answer	288 (14.8%)	510 (5.8%)
Missing	90 (4.6%)	329 (3.7%)

<b>8. What was your weight 5 years ago?</b>	75 [64-87]	70 [60-83]
I do not know	441 (22.7%)	2377 (27.0%)

<b>9a. Have you lost weight within the last 3 months?</b>		
Yes, intentionally	151 (7.8%)	827 (9.4%)
Yes, unintentionally	800 (41.2%)	3324 (37.8%)
No, my weight stayed the same	520 (26.8%)	2582 (29.3%)
No, I gained weight	221 (11.4%)	951 (10.8%)
I do not know	196 (10.1%)	907 (10.3%)
Missing	54 (2.8%)	209 (2.4%)

<b>9b. If yes, how many kg did you lose?</b>	6 [4-10]	6 [3-10]
I do not know	156 (16.4%)	701 (16.9%)

<b>10. Did you know about your hospitalisation two days before admission? (Yes)</b>	655 (35.2%)	3271 (39.2%)
---	-------------	--------------

<b>11. Please indicate if you ...</b>		
... were weighed at admission	1123 (58.4%)	4927 (56.7%)
... were informed about your nutrition status	632 (33.5%)	2797 (32.5%)
... were informed about nutrition care options	797 (42.2%)	2491 (29.0%)
... received special nutrition care	742 (39.2%)	2357 (27.5%)

<b>12. How well have you eaten in the week before you were admitted to the hospital?</b>		
More than normal	89 (4.6%)	388 (4.4%)
Normal	1076 (55.8%)	5401 (61.8%)
About 3/4 of normal	264 (13.7%)	844 (9.7%)
About half of normal	268 (13.9%)	1065 (12.2%)



About a quarter to nearly nothing	182 (9.4%)	791 (9.0%)
I do not know	11 (0.57%)	88 (1.0%)
Missing	40 (2.1%)	167 (1.9%)

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

Very satisfied	337 (17.5%)	2368 (27.1%)
Somewhat satisfied	878 (45.5%)	2629 (30.1%)
Neutral	336 (17.4%)	1752 (20.0%)
Dissatisfied	170 (8.8%)	691 (7.9%)
Very dissatisfied	49 (2.5%)	261 (3.0%)
I do not know	116 (6.0%)	726 (8.3%)
Missing	44 (2.3%)	317 (3.6%)

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

Yes, from family or friends	39 (2.0%)	978 (11.2%)
Yes, from hospital staff	204 (10.6%)	581 (6.6%)
No	1615 (83.7%)	6652 (76.1%)
I do not know	8 (0.41%)	113 (1.3%)
Missing	64 (3.3%)	420 (4.8%)

<b>15. Were you able to eat without interruption TODAY? (Yes)</b>	1382 (76.4%)	6110 (74.6%)
---	--------------	--------------

### 16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	898 (46.5%)	4213 (48.2%)
1/2	524 (27.2%)	2075 (23.7%)
1/4	242 (12.5%)	1064 (12.2%)
Nothing	200 (10.4%)	1004 (11.5%)
Missing	66 (3.4%)	388 (4.4%)

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

Standard	1329 (68.9%)	5611 (64.2%)
Smaller	143 (7.4%)	811 (9.3%)
Larger	106 (5.5%)	344 (3.9%)
I do not know	128 (6.6%)	884 (10.1%)
Missing	224 (11.6%)	1094 (12.5%)

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

I did not like the type of food offered	154 (15.9%)	608 (14.7%)
I did not like the smell/taste of the food	83 (8.6%)	474 (11.4%)
The food did not fit my cultural/religious preferences	8 (0.83%)	54 (1.3%)
The food was too hot	4 (0.41%)	15 (0.36%)
The food was too cold	11 (1.1%)	95 (2.3%)
Due to food allergy/intolerance	2 (0.21%)	27 (0.65%)
I was not hungry at that time	203 (21.0%)	709 (17.1%)

I do not have my usual appetite	265 (27.4%)	1167 (28.2%)
I have problems chewing/swallowing	47 (4.9%)	239 (5.8%)
I normally eat less than what was served	97 (10.0%)	457 (11.0%)
I had nausea/vomiting	50 (5.2%)	345 (8.3%)
I was too tired	74 (7.7%)	227 (5.5%)
I cannot eat without help	9 (0.93%)	73 (1.8%)
I was not allowed to eat	56 (5.8%)	460 (11.1%)
I had an exam, surgery, or test and missed my meal	52 (5.4%)	243 (5.9%)
I did not get requested food	4 (0.41%)	54 (1.3%)
No answer given	238 (24.6%)	510 (12.3%)

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

Water	4 [2-6]	3 [2-5]
Tea	0 [0-2]	1 [0-2]
Coffee	2 [2-3]	1 [0-2]
Milk	0 [0-1]	1 [0-1]
Fruit juice	1 [0-1]	1 [0-2]
Soft drinks	1 [0-2]	0 [0-1]
Nutrition drink	0 [0-1]	0 [0-1]
Other	0 [0-1]	0 [0-1]

**19a. Did you eat any food apart from hospital food TODAY?** 557 (31.3%) 2179 (27.2%)

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

Sweet snacks	295 (53.0%)	548 (25.1%)
Salty snacks	63 (11.3%)	290 (13.3%)
Homemade food	57 (10.2%)	320 (14.7%)
Fruits	191 (34.3%)	774 (35.5%)
Dairy products	55 (9.9%)	221 (10.1%)
Food delivered/restaurant	13 (2.3%)	85 (3.9%)
Sandwich	30 (5.4%)	145 (6.7%)
Other	40 (7.2%)	429 (19.7%)

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

Increased	381 (19.7%)	1201 (13.7%)
Decreased	481 (24.9%)	2809 (32.1%)
Stayed the same	892 (46.2%)	3616 (41.4%)
I do not know	130 (6.7%)	601 (6.9%)
Missing	46 (2.4%)	517 (5.9%)

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

Stronger than at admission	781 (40.5%)	3792 (43.4%)
Weaker than at admission	377 (19.5%)	1514 (17.3%)
Same as at admission	576 (29.8%)	2454 (28.1%)

I was admitted today	55 (2.8%)	239 (2.7%)
I do not know	100 (5.2%)	466 (5.3%)
Missing	41 (2.1%)	279 (3.2%)

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

Yes	995 (51.6%)	5103 (58.4%)
No, only with assistance	549 (28.4%)	2181 (24.9%)
No, I stay in bed	201 (10.4%)	984 (11.3%)
Missing	185 (9.6%)	476 (5.4%)

<b>23. Did anyone help you complete this questionnaire?</b>	1348 (72.4%)	5889 (69.0%)
---	--------------	--------------

## V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	23	116
Computerized system in hospital:	22 units (96%) YES	112 units (97%) YES
Nutritional treatment of cancer patients is part of overall care plan	23 units (100%) YES	98 units (84%) YES
<b>Nutritional treatment is considered...</b>		
Routinely	18 (78,3%)	59 (50,9%)
When patient asks	5 (21,7%)	29 (25,0%)
When body weight loss > 10%	7 (30,4%)	39 (33,6%)
During palliative phase	4 (17,4%)	33 (28,4%)
Other	1 (4,35%)	6 (5,17%)
Missing	-	17 (14,7%)
<b>Nutritional treatment is not part of the comprehensive approach due to</b>		
Lack of evidence	-	7 (6,03%)
No knowledge of the field	-	7 (6,03%)
No reimbursement	-	7 (6,03%)
It feeds the tumour	-	1 (0,86%)
Other	-	4 (3,45%)
<b>Nutritional therapy used for cancer patients</b>		
Nutrition according to nutrition plan	15 (65,2%)	67 (57,8%)
Calculation of energy needs	17 (73,9%)	85 (73,3%)
Monitoring patients intake and use of oral supplements	20 (87,0%)	102 (87,9%)
None	-	4 (3,45%)
Other	5 (21,7%)	5 (4,31%)
Missing	-	2 (1,72%)
<b>Nutritional therapy is not used due to</b>		
Lack of evidence	-	2 (1,72%)
Lack of experience	-	6 (5,17%)
No reimbursement	-	3 (2,59%)
Lack of dietitians	-	8 (6,90%)
Lack of other experts	-	3 (2,59%)
Other	-	1 (0,86%)
Missing	-	-

### Assessment of parameters in cancer patients & methods used:

#### Anthropometry/Body composition:

**Body weight**

Regularly	16 (69,6%)	78 (67,2%)
At chemotherapy	6 (26,1%)	12 (10,3%)
When necessary	-	23 (19,8%)
Never	-	1 (0,86%)
Unknown	1 (4,35%)	1 (0,86%)
Missing	-	1 (0,86%)

**Anthropometrics (circumference)**

Regularly	3 (13,0%)	13 (11,2%)
At chemotherapy	1 (4,35%)	1 (0,86%)
When necessary	6 (26,1%)	42 (36,2%)
Never	12 (52,2%)	53 (45,7%)
Unknown	1 (4,35%)	1 (0,86%)
Missing	-	6 (5,17%)

**BIA**

Regularly	-	5 (4,31%)
At chemotherapy	-	-
When necessary	1 (4,35%)	25 (21,6%)
Never	20 (87,0%)	78 (67,2%)
Unknown	1 (4,35%)	3 (2,59%)
Missing	1 (4,35%)	5 (4,31%)

**CT SCAN**

Regularly	2 (8,70%)	6 (5,17%)
At chemotherapy	-	1 (0,86%)
When necessary	2 (8,70%)	32 (27,6%)
Never	16 (69,6%)	70 (60,3%)
Unknown	2 (8,70%)	3 (2,59%)
Missing	1 (4,35%)	4 (3,45%)

**DEXA**

Regularly	-	2 (1,72%)
At chemotherapy	1 (4,35%)	-
When necessary	1 (4,35%)	16 (13,8%)
Never	16 (69,6%)	85 (73,3%)
Unknown	4 (17,4%)	8 (6,90%)
Missing	1 (4,35%)	5 (4,31%)

**Other (body composition)**

Regularly	1 (4,35%)	1 (0,86%)
At chemotherapy	-	-
When necessary	-	17 (14,7%)

Never	10 (43,5%)	40 (34,5%)
Unknown	3 (13,0%)	21 (18,1%)
Missing	9 (39,1%)	37 (31,9%)

### Body function:

#### Handgrip

Regularly	-	6 (5,17%)
At chemotherapy	-	1 (0,86%)
When necessary	6 (26,1%)	38 (32,8%)
Never	12 (52,2%)	61 (52,6%)
Unknown	2 (8,70%)	4 (3,45%)
Missing	3 (13,0%)	6 (5,17%)

#### 6-minutes walking test

Regularly	2 (8,70%)	3 (2,59%)
At chemotherapy	-	-
When necessary	3 (13,0%)	33 (28,4%)
Never	14 (60,9%)	68 (58,6%)
Unknown	1 (4,35%)	5 (4,31%)
Missing	3 (13,0%)	7 (6,03%)

#### Other (body function)

Regularly	2 (8,70%)	4 (3,45%)
At chemotherapy	1 (4,35%)	-
When necessary	2 (8,70%)	24 (20,7%)
Never	7 (30,4%)	45 (38,8%)
Unknown	3 (13,0%)	16 (13,8%)
Missing	8 (34,8%)	27 (23,3%)

#### Nutritional requirements, calculated

Regularly	9 (39,1%)	34 (29,3%)
At chemotherapy	-	-
When necessary	10 (43,5%)	65 (56,0%)
Never	-	5 (4,31%)
Unknown	-	-
Missing	4 (17,4%)	12 (10,3%)

#### Nutritional intake:

##### Every meal

Regularly	4 (17,4%)	32 (27,6%)
At chemotherapy	-	1 (0,86%)
When necessary	11 (47,8%)	51 (44,0%)
Never	1 (4,35%)	13 (11,2%)
Unknown	-	6 (5,17%)

Missing	7 (30,4%)	13 (11,2%)
<b>1 meal per day</b>		
Regularly	1 (4,35%)	12 (10,3%)
At chemotherapy	1 (4,35%)	1 (0,86%)
When necessary	9 (39,1%)	36 (31,0%)
Never	1 (4,35%)	19 (16,4%)
Unknown	-	9 (7,76%)
Missing	11 (47,8%)	39 (33,6%)
<b>2 meals per day</b>		
Regularly	1 (4,35%)	12 (10,3%)
At chemotherapy	-	-
When necessary	9 (39,1%)	35 (30,2%)
Never	1 (4,35%)	20 (17,2%)
Unknown	-	9 (7,76%)
Missing	12 (52,2%)	40 (34,5%)
<b>24h recall</b>		
Regularly	6 (26,1%)	28 (24,1%)
At chemotherapy	-	2 (1,72%)
When necessary	7 (30,4%)	41 (35,3%)
Never	-	12 (10,3%)
Unknown	-	7 (6,03%)
Missing	10 (43,5%)	26 (22,4%)
<b>Other (nutritional intake)</b>		
Regularly	1 (4,35%)	2 (1,72%)
At chemotherapy	-	-
When necessary	4 (17,4%)	17 (14,7%)
Never	2 (8,70%)	22 (19,0%)
Unknown	3 (13,0%)	18 (15,5%)
Missing	13 (56,5%)	57 (49,1%)
<b>Questionnaire completed by</b>		
Dietitian	17 (73,9%)	42 (36,2%)
Nurse	6 (26,1%)	29 (25,0%)
Physician	-	39 (33,6%)
Nutritional scientist	-	5 (4,31%)
Other	-	-
Missing	-	1 (0,86%)

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

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 2_onco:	152	1064
<b>Demographic data:</b>		
Age (years)	67 [24-93]	66 [18-96]
Female gender	75 (49,3%)	423 (39,8%)
Weight (kg)	67,5 ± 14,1	64,3 ± 16,9
Height (cm)	169,1 ± 9,6	165,4 ± 9,8
BMI (kg/m2)	23,4 ± 4,7	23,6 ± 4,8
<b>Outpatient (o)/Ward (w)</b>		
Outpatient(o)	2 (1,32%)	63 (5,92%)
Ward (w)	132 (86,8%)	997 (93,7%)
Missing	18 (11,8%)	4 (0,38%)
<b>Goal of Therapy</b>		
Curative	80 (52,6%)	606 (57,0%)
Palliative	49 (32,2%)	359 (33,7%)
Terminal	3 (1,97%)	74 (6,95%)
Missing	20 (13,2%)	25 (2,35%)
<b>Reason for admission</b>		
Clinical diagnostics	48 (31,6%)	109 (10,2%)
Therapy	19 (12,5%)	516 (48,5%)
Surgery related	6 (3,95%)	225 (21,1%)
Treatment complications	20 (13,2%)	124 (11,7%)
Poor health status	24 (15,8%)	139 (13,1%)
Independent care difficult	5 (3,29%)	8 (0,75%)
Missing	-	-
<b>Present cancer diagnosis</b>		
Breast	8 (5,26%)	59 (5,55%)
Colon, rectum	9 (5,92%)	172 (16,2%)
Prostate	5 (3,29%)	31 (2,91%)
Lung	16 (10,5%)	86 (8,08%)
Skin	1 (0,66%)	8 (0,75%)
Kidney/bladder	4 (2,63%)	31 (2,91%)
Gastric/oesophageal	7 (4,61%)	152 (14,3%)
Pancreas	8 (5,26%)	69 (6,48%)
Lymphoma	6 (3,95%)	102 (9,59%)
Ears nose throat (ENT)	8 (5,26%)	51 (4,79%)
Leukaemia	6 (3,95%)	77 (7,24%)
Genital tract	3 (1,97%)	38 (3,57%)



Liver	2 (1,32%)	106 (9,96%)
Sarcoma	-	11 (1,03%)
Brain	1 (0,66%)	23 (2,16%)
Testicular	-	-
Other	4 (2,63%)	85 (7,99%)
Missing	20 (13,2%)	11 (1,03%)

#### Time since diagnosis

0-2 months	40 (26,3%)	366 (34,4%)
3-5 months	21 (13,8%)	184 (17,3%)
6-12 months	18 (11,8%)	169 (15,9%)
1-2 years	15 (9,87%)	147 (13,8%)
2-4 years	20 (13,2%)	82 (7,71%)
> 4 years	18 (11,8%)	94 (8,83%)
Missing	20 (13,2%)	19 (1,79%)

#### Cancer staging

0=Carcinoma in situ	2 (1,32%)	55 (5,17%)
I=Localized	24 (15,8%)	244 (22,9%)
II=Early locally advanced	21 (13,8%)	176 (16,5%)
III=Late locally advanced	19 (12,5%)	176 (16,5%)
IV=Metastasised	52 (34,2%)	302 (28,4%)
Missing	34 (22,4%)	111 (10,4%)

#### Time since first therapy start

No therapy	4 (2,63%)	134 (12,6%)
Tumour staging/diagnosis	3 (1,97%)	67 (6,30%)
0-2 months	12 (7,89%)	290 (27,3%)
3-5 months	6 (3,95%)	145 (13,6%)
6-12 months	6 (3,95%)	153 (14,4%)
1-2 years	6 (3,95%)	114 (10,7%)
2-4 years	4 (2,63%)	64 (6,02%)
> 4 years	11 (7,24%)	104 (9,77%)
Missing	18 (11,8%)	16 (1,50%)

#### Therapy situation

Diagnosis	12 (7,89%)	109 (10,2%)
Chemotherapy 1st line	23 (15,1%)	191 (18,0%)
Chemotherapy > 1st line	17 (11,2%)	173 (16,3%)
Radiotherapy	9 (5,92%)	70 (6,58%)
Target therapy	-	31 (2,91%)
Hormone therapy	3 (1,97%)	12 (1,13%)
Palliative	15 (9,87%)	121 (11,4%)
Surgery	3 (1,97%)	348 (32,7%)

Cancer related complications	5 (3,29%)	67 (6,30%)
Therapy related complications	5 (3,29%)	43 (4,04%)
Missing	21 (13,8%)	13 (1,22%)

### Infections

None	52 (34,2%)	808 (75,9%)
Local	31 (20,4%)	161 (15,1%)
General	46 (30,3%)	73 (6,86%)
Missing	23 (15,1%)	22 (2,07%)

### Nutrition Treatment

No special diet	7 (4,61%)	458 (43,0%)
Individualized diet plan	52 (34,2%)	305 (28,7%)
Energy rich/protein rich ONS	29 (19,1%)	121 (11,4%)
Enteral nutrition (via NGT/PEG)	4 (2,63%)	65 (6,11%)
Parenteral nutrition	9 (5,92%)	136 (12,8%)
ONS enriched with special nutrients	-	25 (2,35%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	13 (1,22%)
Personal preferences	20 (13,2%)	110 (10,3%)
Counselling	15 (9,87%)	54 (5,08%)
Other	22 (14,5%)	28 (2,63%)
Missing	-	-

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

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 3_onco:	152	1056
Body weight prior to becoming ill	75 [49-127]	70 [22-180]
Actual body weight	67 [39-108]	63 [21-128]
<b>Change in weight was</b>		
Intentional	5 (3,29%)	31 (2,91%)
Unintentional	93 (61,2%)	644 (60,5%)
Weight is stable	8 (5,26%)	180 (16,9%)
Missing	7 (4,61%)	31 (2,91%)
<b>During the last week</b>		
<b>Patients who have had pain:</b>		
Not at all	29 (19,1%)	366 (34,4%)
A little	30 (19,7%)	294 (27,6%)
Quite a bit	23 (15,1%)	192 (18,0%)
Very much	24 (15,8%)	108 (10,2%)
Missing	43 (28,3%)	90 (8,46%)
<b>Patients who needed a rest:</b>		
Not at all	5 (3,29%)	261 (24,5%)
A little	27 (17,8%)	311 (29,2%)
Quite a bit	35 (23,0%)	243 (22,8%)
Very much	43 (28,3%)	131 (12,3%)
Missing	41 (27,0%)	98 (9,21%)
<b>Patients who felt weak:</b>		
Not at all	16 (10,5%)	255 (24,0%)
A little	28 (18,4%)	297 (27,9%)
Quite a bit	25 (16,4%)	260 (24,4%)
Very much	41 (27,0%)	142 (13,3%)
Missing	41 (27,0%)	95 (8,93%)
<b>Patients who felt depressed:</b>		
Not at all	41 (27,0%)	382 (35,9%)
A little	36 (23,7%)	337 (31,7%)
Quite a bit	17 (11,2%)	148 (13,9%)
Very much	15 (9,87%)	80 (7,52%)
Missing	41 (27,0%)	92 (8,65%)
<b>Patients who were tired:</b>		

Not at all	9 (5,92%)	272 (25,6%)
A little	29 (19,1%)	317 (29,8%)
Quite a bit	32 (21,1%)	240 (22,6%)
Very much	41 (27,0%)	124 (11,7%)
Missing	40 (26,3%)	92 (8,65%)

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

Not at all	44 (28,9%)	412 (38,7%)
A little	14 (9,21%)	250 (23,5%)
Quite a bit	21 (13,8%)	168 (15,8%)
Very much	31 (20,4%)	114 (10,7%)
Missing	40 (26,3%)	97 (9,12%)

#### Patients who lacked appetite:

Not at all	28 (18,4%)	386 (36,3%)
A little	23 (15,1%)	270 (25,4%)
Quite a bit	21 (13,8%)	171 (16,1%)
Very much	37 (24,3%)	119 (11,2%)
Missing	43 (28,3%)	98 (9,21%)

#### Just now

##### Patients who have pain:

Not at all	48 (31,6%)	411 (38,6%)
A little	38 (25,0%)	337 (31,7%)
Quite a bit	15 (9,87%)	150 (14,1%)
Very much	8 (5,26%)	48 (4,51%)
Missing	41 (27,0%)	101 (9,49%)

##### Patients who need a rest:

Not at all	9 (5,92%)	225 (21,1%)
A little	38 (25,0%)	351 (33,0%)
Quite a bit	32 (21,1%)	263 (24,7%)
Very much	30 (19,7%)	102 (9,59%)
Missing	40 (26,3%)	100 (9,40%)

##### Patients who feel weak:

Not at all	18 (11,8%)	242 (22,7%)
A little	39 (25,7%)	337 (31,7%)
Quite a bit	25 (16,4%)	257 (24,2%)
Very much	26 (17,1%)	105 (9,87%)
Missing	43 (28,3%)	101 (9,49%)

##### Patients who are depressed:

Not at all	63 (41,4%)	413 (38,8%)
------------	------------	-------------

A little	27 (17,8%)	338 (31,8%)
Quite a bit	9 (5,92%)	145 (13,6%)
Very much	14 (9,21%)	47 (4,42%)
Missing	39 (25,7%)	99 (9,30%)

#### Patients who are tired:

Not at all	17 (11,2%)	253 (23,8%)
A little	35 (23,0%)	372 (35,0%)
Quite a bit	25 (16,4%)	230 (21,6%)
Very much	30 (19,7%)	88 (8,27%)
Missing	42 (27,6%)	98 (9,21%)

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

Not at all	45 (29,6%)	378 (35,5%)
A little	28 (18,4%)	285 (26,8%)
Quite a bit	16 (10,5%)	185 (17,4%)
Very much	21 (13,8%)	84 (7,89%)
Missing	42 (27,6%)	103 (9,68%)

#### Patients who lack appetite:

Not at all	34 (22,4%)	359 (33,7%)
A little	31 (20,4%)	301 (28,3%)
Quite a bit	18 (11,8%)	180 (16,9%)
Very much	28 (18,4%)	98 (9,21%)
Missing	41 (27,0%)	102 (9,59%)

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

Nausea/Vomiting	20 (13,2%)	161 (15,1%)
Inflammation in mouth	10 (6,58%)	57 (5,36%)
Pain	18 (11,8%)	120 (11,3%)
Constipation	7 (4,61%)	69 (6,48%)
Diarrhea	2 (1,32%)	44 (4,14%)
Change in taste/smell	26 (17,1%)	108 (10,2%)
Early satiation/Loss of appetite	41 (27,0%)	252 (23,7%)
Other	22 (14,5%)	201 (18,9%)
Missing	5 (3,29%)	51 (4,79%)

#### Maximum activity performed by patients

Able to do sports	8 (5,26%)	46 (4,32%)
Fully active	13 (8,55%)	141 (13,3%)
Able to carry out light activities	18 (11,8%)	210 (19,7%)
Able to carry out self care	41 (27,0%)	236 (22,2%)
Able to carry out limited self care	21 (13,8%)	156 (14,7%)
Confined to bed or chair	14 (9,21%)	156 (14,7%)

Missing	37 (24,3%)	99 (9,30%)
<b>Patient takes additional (without prescription)</b>		
Nothing	76 (50,0%)	696 (65,4%)
Herbal tea	5 (3,29%)	78 (7,33%)
Nutritional supplements	10 (6,58%)	67 (6,30%)
Multivitamin	2 (1,32%)	37 (3,48%)
Other medication	1 (0,66%)	44 (4,14%)
Other	3 (1,97%)	52 (4,89%)
Missing	55 (36,2%)	125 (11,7%)
<b>Additional activities performed</b>		
Nothing	86 (56,6%)	797 (74,9%)
Psychotherapy	3 (1,97%)	17 (1,60%)
Yoga	-	10 (0,94%)
Meditation	-	22 (2,07%)
Progressive muscle relaxation	2 (1,32%)	15 (1,41%)
Qigong	-	1 (0,09%)
Other	9 (5,92%)	74 (6,95%)
Missing	52 (34,2%)	138 (13,0%)
Patients having difficulties in complying with treatment	42 (27,6%)	246 (23,1%)
Patients needing help to complete questionnaire	68 (44,7%)	640 (60,2%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	63 (41,4%)	639 (60,1%)