



**nutritionDay**  
WORLDWIDE

**Country report**  
**nutritionDay 2016**  
**Colombia**

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>56</b>
<b>Number of units on nutritionDay:</b>	<b>95</b>
<b>Number of patients on nutritionDay:</b>	<b>2430</b>
<b>Number of patients who gave consent:</b>	<b>2412</b>
<b>Number of patients completing Sheet 3a:</b>	<b>2318</b>
<b>Number of patients completing Sheet 3b:</b>	<b>2323</b>
<b>Number of cancer patients on nutritionDay:</b>	<b>288</b>
<b>Number of patients completing Sheet 2_onco:</b>	<b>80</b>
<b>Number of patients completing Sheet 3_onco:</b>	<b>80</b>
<b>Number of patients with 30-day outcome assessment:</b>	<b>2187</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>	205 [108-283]	305 [180-526]
<b>2. Total number of admissions in the hospital last year</b>	15430 [7164-63917]	17891 [8741-38415]
<b>3. Total number of staff in the hospital</b>		
Total medical doctors	100 [48-177]	162 [65-328]
Medical specialists	73 [30-120]	108 [44-210]
Medical non-specialists	37 [21-56]	35 [12-81]
Nurses	123 [58-300]	346 [124-710]
Dieticians	1 [0-3]	4 [1-8]
Nutritionists	3 [2-5]	1 [0-4]
Pharmacists	3 [1-5]	6 [3-14]
Kitchen staff	16 [8-29]	28 [11-55]
<b>Full time equivalent</b>		
Total medical doctors	70 [39-146]	126 [56-296]
Medical specialists	44 [20-88]	88 [44-210]
Medical non-specialists	32 [12-53]	33 [11-83]
Nurses	114 [47-394]	317 [123-726]
Dieticians	1 [1-5]	4 [1-7]
Nutritionists	2 [1-5]	1 [0-4]
Pharmacists	4 [1-5]	5 [2-11]
Kitchen staff	17 [10-20]	25 [12-50]
<b>4. Does the hospital have a nutrition care strategy?</b>	40 (78.4%) Yes	269 (76.0%) Yes
<b>5. Which nutrition-related standards or routine activities exist in your hospital?</b>		
Nutrition training is available	21 (41.2%) Yes	226 (63.8%) Yes
Nutrition steering committee is available	24 (47.1%) Yes	207 (58.5%) Yes
Quality indicators are recorded and reported to national or regional level	13 (25.5%) Yes	139 (39.3%) Yes
Quality indicators are used for internal benchmarking	29 (56.9%) Yes	171 (48.3%) Yes
Patient feedback about food and food service is collected using a questionnaire	37 (72.5%) Yes	250 (70.6%) Yes
None	6 (11.8%) 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	36 (70.6%) Yes	175 (49.4%) Yes
Oral nutrition supplements	35 (68.6%) Yes	141 (39.8%) Yes

Parenteral nutrition	38 (74.5%) Yes	202 (57.1%) Yes
Enteral nutrition	37 (72.5%) Yes	167 (47.2%) Yes
Dietary counseling	11 (21.6%) Yes	120 (33.9%) Yes
Specific dietary interventions	25 (49.0%) Yes	104 (29.4%) Yes
Screening for malnutrition	10 (19.6%) Yes	88 (24.9%) Yes
Risk of malnutrition	13 (25.5%) Yes	90 (25.4%) Yes
Malnutrition (in general)	25 (49.0%) Yes	170 (48.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	20 (39.2%) Yes	154 (43.5%) Yes
No information available from billing/finance/controlling	4 (7.8%) Yes	55 (15.5%) Yes
No answer given	-	28 (7.9%)

### Codes routinely used

Nutrition Support	37 (72.5%) Yes	139 (39.3%) Yes
Oral nutrition supplements	36 (70.6%) Yes	111 (31.4%) Yes
Parenteral nutrition	38 (74.5%) Yes	177 (50.0%) Yes
Enteral nutrition	36 (70.6%) Yes	145 (41.0%) Yes
Dietary counseling	12 (23.5%) Yes	88 (24.9%) Yes
Specific dietary interventions	22 (43.1%) Yes	84 (23.7%) Yes
Screening for malnutrition	10 (19.6%) Yes	68 (19.2%) Yes
Risk of malnutrition	11 (21.6%) Yes	61 (17.2%) Yes
Malnutrition (in general)	26 (51.0%) Yes	138 (39.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	18 (35.3%) Yes	126 (35.6%) Yes
No information available from billing/finance/controlling	4 (7.8%) 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	25 (26.3%)	92 (20.0%)
Internal Medicine / Cardiology	7 (7.4%)	26 (5.7%)
Internal Medicine / Gastroenterology & hepatology	-	31 (6.8%)
Internal Medicine / Geriatrics	1 (1.1%)	37 (8.1%)
Internal Medicine / Infectious diseases	2 (2.1%)	5 (1.1%)
Internal Medicine / Nephrology	-	5 (1.1%)
Internal Medicine / Oncology (incl. radiotherapy)	3 (3.2%)	35 (7.6%)
Interdisciplinary	10 (10.5%)	21 (4.6%)
Long term care	1 (1.1%)	7 (1.5%)
Neurology	-	14 (3.1%)
Surgery / General	26 (27.4%)	82 (17.9%)
Surgery/ Cardiac/Vascular/Thoracic	2 (2.1%)	6 (1.3%)
Surgery / Neurosurgery	-	4 (0.9%)
Surgery / Orthopedic	1 (1.1%)	19 (4.1%)
Trauma	-	7 (1.5%)
Ear Nose Throat (ENT)	-	7 (1.5%)
Gynecology / Obstetrics	1 (1.1%)	10 (2.2%)
Pediatrics	-	-
Psychiatry	-	3 (0.7%)
Others	16 (16.8%)	48 (10.5%)
<b>2. Number of registered inpatients at noon</b>	<b>55 [27-83]</b>	<b>24 [17-35]</b>
<b>3. Total bed capacity of the unit</b>	<b>61 [35-125]</b>	<b>31 [25-44]</b>
<b>4. Number of each type of staff in the unit for TODAY's morning shift</b>		
<b>Fully trained</b>		
Medical doctors	3 [1-8]	4 [2-8]
Nurses	4 [2-8]	5 [4-8]
Nursing aides	8 [5-16]	2 [1-4]
Dieticians	1 [1-2]	1 [0-1]
Nutritionists	1 [1-2]	0 [0-1]
Administrative staff	2 [1-4]	1 [0-2]
Other staff involved in patient care	3 [2-4]	1 [0-3]
<b>In training</b>		
Medical doctors	3 [2-8]	1 [0-3]
Medical students	10 [4-19]	1 [0-2]
Nurses	1 [1-4]	1 [0-3]

Nursing aides	2 [1-5]	0 [0-0]
Dieticians	1 [1-1]	0 [0-0]
Nutritionists	1 [0-1]	0 [0-0]
Other staff involved in patient care	1 [0-2]	0 [0-0]

**5. Is there a nutrition support team in your hospital available?** 44 (55.0%) Yes 323 (73.6%) Yes

**6. Does the unit have a nutrition care strategy?** 66 (82.5%) Yes 316 (72.0%) Yes

**7. Is there a person in your unit responsible for nutrition care?** 66 (82.5%) Yes 317 (72.2%) Yes

**8. Is there a dietician, nutritionist or dietetic assistant available for your unit?** 73 (91.3%) Yes 395 (90.0%) Yes

**9. Is specific staff responsible for providing feeding assistance to patients during meal times?** 27 (33.8%) Yes 268 (61.0%) Yes

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

**At admission**

No routine screening	16 (16.8%) Yes	45 (9.8%) Yes
No fixed criteria	6 (6.3%) Yes	10 (2.2%) Yes
Experience / visual assessment only	2 (2.1%) Yes	43 (9.4%) Yes
Weighing / BMI only	11 (11.6%) Yes	66 (14.4%) Yes
Nutritional Risk Screening (NRS) 2002	8 (8.4%) Yes	131 (28.5%) Yes
Malnutrition Universal Screening Tool (MUST)	5 (5.3%) Yes	28 (6.1%) Yes
Malnutrition Screening tool (MST)	11 (11.6%) Yes	42 (9.2%) Yes
SNAQ	-	2 (0.44%) Yes
Other formal tool	19 (20.0%) Yes	70 (15.3%) Yes
I do not know	2 (2.1%) Yes	2 (0.44%) Yes
Missing	15 (15.8%)	20 (4.4%)

**During hospital stay**

No routine monitoring	16 (16.8%) Yes	43 (9.4%) Yes
No fixed criteria	2 (2.1%) Yes	44 (9.6%) Yes
Experience / visual assessment only	16 (16.8%) Yes	90 (19.6%) Yes
Weighing / BMI only	6 (6.3%) Yes	132 (28.8%) Yes
Other formal tool	35 (36.8%) Yes	121 (26.4%) Yes
I do not know	5 (5.3%) Yes	9 (2.0%) Yes
Missing	15 (15.8%)	20 (4.4%)

**11a. Do you routinely use guidelines or standards for nutrition care?** 64 (83.1%) Yes 343 (78.7%) Yes

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

International guidelines	14 (21.9%) Yes	86 (25.1%) Yes
National guidelines	1 (1.6%) Yes	56 (16.3%) Yes
Standards on hospital level	39 (60.9%) Yes	115 (33.5%) Yes
Standards on unit level	3 (4.7%) Yes	23 (6.7%) Yes
Individual patient nutrition care plans	6 (9.4%) Yes	56 (16.3%) Yes
Other	1 (1.6%) Yes	4 (1.2%) Yes
Missing	-	3 (0.87%)

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

Watchful waiting	32 (33.7%) Yes	139 (30.3%) Yes
Discuss nutrition care activities during ward rounds	30 (31.6%) Yes	192 (41.8%) Yes
Develop an individual nutrition care plan	40 (42.1%) Yes	246 (53.6%) Yes
Initiate treatment / nutrition intervention	44 (46.3%) Yes	277 (60.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	42 (44.2%) Yes	285 (62.1%) Yes
Consult a medical professional	12 (12.6%) Yes	172 (37.5%) Yes
Calculate energy requirements	52 (54.7%) Yes	232 (50.5%) Yes
Calculate protein requirements	51 (53.7%) Yes	226 (49.2%) Yes

**Malnourished**

Watchful waiting	25 (26.3%) Yes	98 (21.4%) Yes
Discuss nutrition care activities during ward rounds	41 (43.2%) Yes	208 (45.3%) Yes
Develop an individual nutrition care plan	57 (60.0%) Yes	258 (56.2%) Yes
Initiate treatment / nutrition intervention	57 (60.0%) Yes	304 (66.2%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	54 (56.8%) Yes	284 (61.9%) Yes
Consult a medical professional	15 (15.8%) Yes	183 (39.9%) Yes
Calculate energy requirements	64 (67.4%) Yes	261 (56.9%) Yes
Calculate protein requirements	60 (63.2%) Yes	257 (56.0%) Yes

**Every patient**

Watchful waiting	28 (29.5%) Yes	193 (42.0%) Yes
Discuss nutrition care activities during ward rounds	28 (29.5%) Yes	126 (27.5%) Yes
Develop an individual nutrition care plan	12 (12.6%) Yes	74 (16.1%) Yes
Initiate treatment / nutrition intervention	17 (17.9%) Yes	57 (12.4%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	18 (18.9%) Yes	73 (15.9%) Yes
Consult a medical professional	38 (40.0%) Yes	101 (22.0%) Yes
Calculate energy requirements	6 (6.3%) Yes	50 (10.9%) Yes
Calculate protein requirements	5 (5.3%) Yes	44 (9.6%) Yes

**Never**

Watchful waiting	4 (4.2%) Yes	34 (7.4%) Yes
Discuss nutrition care activities during ward rounds	4 (4.2%) Yes	38 (8.3%) Yes

Develop an individual nutrition care plan	6 (6.3%) Yes	31 (6.8%) Yes
Initiate treatment / nutrition intervention	-	6 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (1.1%) Yes	8 (1.7%) Yes
Consult a medical professional	11 (11.6%) Yes	49 (10.7%) Yes
Calculate energy requirements	1 (1.1%) Yes	50 (10.9%) Yes
Calculate protein requirements	1 (1.1%) Yes	54 (11.8%) Yes

#### I do not know

Watchful waiting	1 (1.1%) Yes	20 (4.4%) Yes
Discuss nutrition care activities during ward rounds	-	10 (2.2%) Yes
Develop an individual nutrition care plan	-	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	1 (1.1%) Yes	18 (3.9%) Yes
Calculate energy requirements	-	11 (2.4%) Yes
Calculate protein requirements	-	13 (2.8%) Yes

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

at admission	53 (55.8%) Yes	291 (63.4%) Yes
Within 24 hours	9 (9.5%) Yes	64 (13.9%) Yes
Within 48 hours	-	20 (4.4%) Yes
Within 72 hours	1 (1.1%) Yes	13 (2.8%) Yes
Every week	12 (12.6%) Yes	152 (33.1%) Yes
Occasionally	9 (9.5%) Yes	59 (12.9%) Yes
When requested	45 (47.4%) Yes	207 (45.1%) Yes
At discharge	-	20 (4.4%) Yes
Never	3 (3.2%) Yes	8 (1.7%) Yes
I do not know	1 (1.1%) 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	71 (74.7%) Yes	338 (73.6%) Yes
Offer meal choices	47 (49.5%) Yes	336 (73.2%) Yes
Offer different portion sizes	40 (42.1%) Yes	282 (61.4%) Yes
Consider food presentation	52 (54.7%) Yes	192 (41.8%) Yes
Change food texture/consistency as needed	68 (71.6%) Yes	376 (81.9%) Yes
Consider patient problems with eating and drinking	73 (76.8%) Yes	372 (81.0%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	3 (3.2%) Yes	51 (11.1%) Yes
Promote positive eating environment	13 (13.7%) Yes	82 (17.9%) Yes
Consider cultural/religious preferences	54 (56.8%) Yes	188 (41.0%) Yes
Consider patient allergies / intolerances	62 (65.3%) Yes	214 (46.6%) Yes
Other	7 (7.4%) Yes	29 (6.3%) Yes
I do not know	1 (1.1%) Yes	6 (1.3%) Yes
No answer given	15 (15.8%)	20 (4.4%)

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

Nutrition training is available	48 (50.5%) Yes	257 (56.0%) Yes
Reporting of nutrition related information to hospital managers	41 (43.2%) Yes	201 (43.8%) Yes
Quality indicators are recorded and reported to national or regional level	15 (15.8%) Yes	123 (26.8%) Yes
Quality indicators are used for internal benchmarking	41 (43.2%) Yes	166 (36.2%) Yes
Patient feedback about food and food service is collected using a questionnaire	56 (58.9%) Yes	291 (63.4%) Yes
None	6 (6.3%) Yes	21 (4.6%) Yes
I do not know	5 (5.3%) Yes	11 (2.4%) Yes
No answer given	15 (15.8%)	36 (7.8%)

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

Change in weight	47 (49.5%) Yes	358 (78.0%) Yes
Eating habits/difficulties	41 (43.2%) Yes	336 (73.2%) Yes
Nutrition before admission	20 (21.1%) Yes	260 (56.6%) Yes
None	7 (7.4%) Yes	9 (2.0%) Yes
I do not know	2 (2.1%) Yes	5 (1.1%) Yes
No answer given	27 (28.4%)	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	64 (67.4%) Yes	323 (70.4%) Yes
nutrition treatment	42 (44.2%) Yes	270 (58.8%) Yes
None	2 (2.1%) Yes	30 (6.5%) Yes
I do not know	42 (44.2%) Yes	270 (58.8%) Yes

**b. Discharge Letter ...**

summarizes nutrition treatment received during stay	26 (27.4%) Yes	162 (35.3%) Yes
makes future nutrition-related recommendations	54 (56.8%) Yes	258 (56.2%) Yes
None	8 (8.4%) Yes	56 (12.2%) Yes
I do not know	8 (8.4%) Yes	23 (5.0%) Yes

<b>18. Do you provide brochures about malnutrition to at risk/malnourished patients?</b>	11 (19.0%) Yes	162 (43.9%) Yes
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**19. Who filled in this sheet?**

Head staff	17 (17.9%) Yes	117 (25.5%) Yes
Dietician	48 (50.5%) Yes	236 (51.4%) Yes
Nurse	13 (13.7%) Yes	124 (27.0%) Yes
Physician	10 (10.5%) Yes	72 (15.7%) Yes
Administrative staff	3 (3.2%) Yes	4 (0.87%) Yes



Other	1 (1.1%) Yes	7 (1.5%) Yes
None	-	-
I do not know	3 (3.2%) Yes	3 (0.65%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	2412	8743
Age	63 [48-75]	67 [53-78]
Female	1138 (47.2%)	4410 (50.4%)
Weight	64.9±14.4	69.1±18.8
Height	163±9	164±10
BMI	24.4±4.9	25.5±6.0

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

planned	262 (10.9%)	3052 (34.9%)
an emergency	1826 (75.7%)	5037 (57.6%)
I do not know	324 (13.4%)	654 (7.5%)
No answer given	-	-

#### 2a. Diagnosis at admission

0100 Infectious and parasitic diseases	248 (10.3%)	801 (9.2%)
0200 Neoplasms	287 (11.9%)	1381 (15.8%)
0300 Blood and bloodforming organs and the immune mechanism	133 (5.5%)	578 (6.6%)
0400 Endocrine, nutritional and metabolic diseases	297 (12.3%)	1043 (11.9%)
0500 Mental health	47 (1.9%)	333 (3.8%)
0600 Nervous system	177 (7.3%)	762 (8.7%)
0700 Eye and adnexa	20 (0.83%)	131 (1.5%)
0800 Ear and mastoid process	6 (0.25%)	70 (0.80%)
0900 Circulatory system	496 (20.6%)	1723 (19.7%)
1000 Respiratory system	396 (16.4%)	1358 (15.5%)
1100 Digestive system	437 (18.1%)	2210 (25.3%)
1200 Skin and subcutaneous tissue	162 (6.7%)	424 (4.8%)
1300 Musculoskeletal system and connective tissue	336 (13.9%)	1276 (14.6%)
1400 Genitourinary system	231 (9.6%)	809 (9.3%)
1500 Pregnancy, childbirth and the puerperium	11 (0.46%)	123 (1.4%)
1600 Conditions originating in the perinatal period	7 (0.29%)	21 (0.24%)
1700 Congenital/chromosomal abnormalities	4 (0.17%)	9 (0.10%)
1800 Symptoms, signs, abnormal clinical/lab findings	43 (1.8%)	391 (4.5%)
1900 Injury, poisoning	14 (0.58%)	276 (3.2%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	107 (4.4%)	156 (1.8%)
2100 Factors influencing health status and contact with health services	20 (0.83%)	210 (2.4%)
No answer given	-	-

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

Cardiac insufficiency	325 (33.9%)	1569 (22.2%)
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Myocardial infarction	110 (13.7%)	394 (5.8%)
Chronic lung disease	305 (32.9%)	1080 (15.5%)
Cerebral vascular disease	145 (17.9%)	745 (10.9%)
Peripheral vascular disease	184 (22.1%)	869 (12.6%)
Chronic liver disease	52 (6.9%)	441 (6.5%)
Chronic kidney disease	193 (22.6%)	821 (11.9%)
Diabetes	360 (36.8%)	1899 (26.8%)
Cancer	288 (30.3%)	1733 (24.8%)
Infection	388 (39.6%)	1103 (15.8%)
Dementia	42 (5.7%)	374 (5.5%)
Major depressive disorder	36 (5.0%)	377 (5.6%)
Other chronic mental disorder	80 (10.5%)	378 (5.6%)
Other chronic disease	466 (44.2%)	1968 (27.8%)
None	231 (9.6%)	1394 (15.9%)

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

Yes, planned	403 (16.7%)	1743 (19.9%)
Yes, acute	173 (7.2%)	539 (6.2%)
No	1683 (69.8%)	6145 (70.3%)
I do not know	89 (3.7%)	126 (1.4%)
Missing	64 (2.7%)	190 (2.2%)

Days since operation	9 [3-24]	4 [1-13]
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#### 4b. Planned operation during this hospital stay

Yes, today or tomorrow	432 (17.9%)	738 (8.4%)
Yes, later	221 (9.2%)	513 (5.9%)
No	1589 (65.9%)	6496 (74.3%)
I do not know	93 (3.9%)	414 (4.7%)
Missing	77 (3.2%)	582 (6.7%)

<b>5. Previous ICU admission during this hospital stay? (Yes)</b>	407 (16.9%)	934 (10.7%)
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<b>6. Is this patient terminally ill?</b>	199 (8.3%)	630 (7.2%)
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#### 7. Fluid status

Normal	2064 (85.6%)	6866 (78.5%)
Overloaded	54 (2.2%)	500 (5.7%)
Dehydrated	83 (3.4%)	450 (5.1%)
I do not know	211 (8.7%)	927 (10.6%)
Missing	-	-

#### 8. Number of different medications planned

Oral	3 [2-6]	5 [2-8]
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Other	3 [2-4]	2 [1-4]
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### 9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	227 (9.4%)	871 (10.0%)
At risk	333 (13.8%)	1543 (17.6%)
No	1559 (64.6%)	5642 (64.5%)
I do not know	293 (12.1%)	687 (7.9%)
Missing	-	-

### 10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	1477 (61.2%)	3469 (39.7%)
5% Glucose solution	113 (4.7%)	860 (9.8%)

### 11. Number of ONS drinks planned

1 [0-2]	0 [0-0]
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### 12. Nutrition intake

Regular hospital food	1066 (44.2%)	4849 (55.5%)
Fortified/enriched hospital food	135 (5.6%)	756 (8.6%)
Protein/energy supplement (e.g. ONS drinks)	244 (10.1%)	998 (11.4%)
Enteral nutrition	142 (5.9%)	485 (5.5%)
Parenteral nutrition	47 (1.9%)	479 (5.5%)
Special diet	897 (37.2%)	3072 (35.1%)
None	225 (9.3%)	474 (5.4%)

### 13a. All lines and Tubes

Central Venous	157 (6.5%)	734 (8.4%)
Peripheral venous access	1535 (63.6%)	4122 (47.1%)
Nasogastric	74 (3.1%)	258 (3.0%)
Nasojejunal	8 (0.33%)	38 (0.43%)
Nasoduodenal	5 (0.21%)	22 (0.25%)
Enterostoma	6 (0.25%)	42 (0.48%)
Percutaneous endoscopy/surgical gastrostomy	40 (1.7%)	67 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	2 (0.08%)	27 (0.31%)
None	735 (30.5%)	3894 (44.5%)

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

Yes, previously	25 (1.0%)	87 (1.00%)
Yes, ongoing	34 (1.4%)	80 (0.92%)
No	1801 (74.7%)	7278 (83.2%)
I do not know	340 (14.1%)	846 (9.7%)
Missing	212 (8.8%)	452 (5.2%)

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

Energy requirements were determined	645 (26.7%)	3103 (35.5%)
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Protein requirements were determined	491 (20.4%)	2765 (31.6%)
Food/Nutrition intake was recorded in the patient record	743 (30.8%)	3893 (44.5%)
Nutrition treatment plan was developed	645 (26.7%)	3013 (34.5%)
Nutrition expert was consulted	792 (32.8%)	2890 (33.1%)
Malnutrition status is recorded in the patient record	538 (22.3%)	2363 (27.0%)
None	-	-

### 15a. Energy goal

< 500 kcal	118 (4.9%)	268 (3.1%)
500-999 kcal	19 (0.79%)	93 (1.1%)
1000-1499 kcal	196 (8.1%)	884 (10.1%)
1500-1999 kcal	698 (28.9%)	2574 (29.4%)
>=2000 kcal	285 (11.8%)	958 (11.0%)
Not determined	884 (36.7%)	3200 (36.6%)
I do not know	210 (8.7%)	730 (8.3%)
Missing	2 (0.08%)	36 (0.41%)

### 15b. Energy intake

< 500 kcal	145 (6.0%)	530 (6.1%)
500-999 kcal	89 (3.7%)	483 (5.5%)
1000-1499 kcal	245 (10.2%)	1101 (12.6%)
1500-1999 kcal	583 (24.2%)	1928 (22.1%)
>=2000 kcal	219 (9.1%)	584 (6.7%)
Not determined	901 (37.4%)	2964 (33.9%)
I do not know	227 (9.4%)	1101 (12.6%)
Missing	3 (0.12%)	52 (0.59%)

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

Improved	1597 (66.2%)	4436 (50.7%)
Deteriorated	145 (6.0%)	485 (5.5%)
Remained the same	378 (15.7%)	2411 (27.6%)
This patient has just been admitted	59 (2.4%)	555 (6.3%)
I do not know	233 (9.7%)	856 (9.8%)
Missing	-	-

Length of hospital stay (days)	13 [7-25]	12 [6-24]
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### Outcome Code

1= Still in the hospital	195 (8.1%)	748 (8.6%)
2= Transferred to another hospital	54 (2.2%)	211 (2.4%)
3= Transferred to long term care	21 (0.87%)	360 (4.1%)
4= Rehabilitation	65 (2.7%)	486 (5.6%)
5= Discharged home	1628 (67.5%)	6417 (73.4%)
6= Death	92 (3.8%)	260 (3.0%)

7= Others	132 (5.5%)	173 (2.0%)
Missing	225 (9.3%)	88 (1.0%)

#### Readmitted since ND

1= No	1504 (80.9%)	6055 (78.3%)
2= Yes, same hospital planned	113 (6.1%)	457 (5.9%)
3= Yes, same hospital unplanned	101 (5.4%)	454 (5.9%)
4= Yes, different hospital planned	18 (0.97%)	44 (0.57%)
5= Yes, different hospital unplanned	18 (0.97%)	44 (0.57%)
6= Unknown	54 (2.9%)	299 (3.9%)
Missing	61 (3.3%)	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	1342 (57.9%)	5885 (69.8%)
I am vegetarian	19 (0.82%)	142 (1.7%)
I adhere to a vegan diet	12 (0.52%)	50 (0.59%)
I eat gluten-free diet	30 (1.3%)	73 (0.87%)
I avoid added sugars	605 (26.1%)	1290 (15.3%)
I avoid carbohydrates	289 (12.5%)	477 (5.7%)
I eat a low fat-diet	544 (23.5%)	972 (11.5%)
I am lactose intolerant	270 (11.6%)	328 (3.9%)
Other special diet due to intolerances/allergies	70 (3.0%)	171 (2.0%)
Other	202 (8.7%)	603 (7.2%)
No answer given	27 (1.2%)	162 (1.9%)
<b>2. Where did you live before your current hospital admission?</b>		
At home	2026 (87.4%)	7497 (89.0%)
In a nursing home or other live-in facility	23 (0.99%)	287 (3.4%)
I was transferred from another hospital	197 (8.5%)	418 (5.0%)
Other	57 (2.5%)	139 (1.6%)
Missing	15 (0.65%)	87 (1.0%)
<b>3. In general, are you able to walk?</b>		
Yes	1349 (58.2%)	5392 (64.0%)
Yes, with someone's help	364 (15.7%)	899 (10.7%)
Yes, independently using a cane, walker, or crutches	208 (9.0%)	1107 (13.1%)
No, I have a wheelchair	77 (3.3%)	355 (4.2%)
No, I am bedridden	279 (12.0%)	548 (6.5%)
Missing	41 (1.8%)	127 (1.5%)
<b>4. In general, how would you say your health is?</b>		
Very good	202 (8.7%)	615 (7.3%)
Good	954 (41.2%)	3078 (36.5%)
Fair	933 (40.3%)	3196 (37.9%)
Poor	166 (7.2%)	1144 (13.6%)
Very poor	35 (1.5%)	254 (3.0%)
Missing	28 (1.2%)	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)?	2 [1-3]	1 [0-2]
... how many nights in total have you spent in hospital?	8 [3-19]	5 [0-15]

<b>6. How many different medications do you take routinely each day (prior to hospitalisation)?</b>		
1-2	529 (22.8%)	1638 (19.4%)
3-5	664 (28.6%)	2272 (27.0%)
More than 5	477 (20.6%)	2608 (30.9%)
None	536 (23.1%)	1375 (16.3%)
I do not know	90 (3.9%)	429 (5.1%)
Missing	22 (0.95%)	106 (1.3%)

<b>7. Do you have health insurance?</b>		
Yes, private insurance only	533 (23.0%)	1250 (14.8%)
Yes, public insurance only	1404 (60.6%)	4213 (50.0%)
Yes, both	231 (10.0%)	1101 (13.1%)
None	85 (3.7%)	1114 (13.2%)
I prefer not to answer	14 (0.60%)	483 (5.7%)
Missing	51 (2.2%)	267 (3.2%)

<b>8. What was your weight 5 years ago?</b>		
	68 [60-78]	70 [60-83]
I do not know	670 (28.9%)	2268 (26.9%)

<b>9a. Have you lost weight within the last 3 months?</b>		
Yes, intentionally	171 (7.4%)	795 (9.4%)
Yes, unintentionally	1140 (49.2%)	3179 (37.7%)
No, my weight stayed the same	529 (22.8%)	2488 (29.5%)
No, I gained weight	231 (10.0%)	911 (10.8%)
I do not know	198 (8.5%)	856 (10.2%)
Missing	49 (2.1%)	199 (2.4%)

<b>9b. If yes, how many kg did you lose?</b>		
	6 [4-10]	6 [3-10]
I do not know	246 (18.8%)	672 (16.9%)

<b>10. Did you know about your hospitalisation two days before admission? (Yes)</b>		
	680 (31.2%)	3142 (39.1%)

<b>11. Please indicate if you ...</b>		
... were weighed at admission	1047 (45.4%)	4710 (56.2%)
... were informed about your nutrition status	606 (26.5%)	2651 (32.0%)
... were informed about nutrition care options	502 (22.1%)	2341 (28.3%)
... received special nutrition care	672 (29.5%)	2232 (27.0%)

<b>12. How well have you eaten in the week before you were admitted to the hospital?</b>		
More than normal	133 (5.7%)	366 (4.4%)
Normal	1425 (61.3%)	5184 (62.0%)
About 3/4 of normal	194 (8.4%)	801 (9.6%)
About half of normal	289 (12.4%)	1028 (12.3%)



About a quarter to nearly nothing	213 (9.2%)	750 (9.0%)
I do not know	21 (0.90%)	82 (0.98%)
Missing	48 (2.1%)	157 (1.9%)

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

Very satisfied	944 (40.6%)	2303 (27.5%)
Somewhat satisfied	583 (25.1%)	2525 (30.2%)
Neutral	325 (14.0%)	1669 (19.9%)
Dissatisfied	172 (7.4%)	652 (7.8%)
Very dissatisfied	94 (4.0%)	252 (3.0%)
I do not know	126 (5.4%)	712 (8.5%)
Missing	79 (3.4%)	255 (3.0%)

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

Yes, from family or friends	472 (20.3%)	910 (10.9%)
Yes, from hospital staff	52 (2.2%)	544 (6.5%)
No	1634 (70.3%)	6450 (77.1%)
I do not know	36 (1.5%)	107 (1.3%)
Missing	129 (5.6%)	357 (4.3%)

<b>15. Were you able to eat without interruption TODAY? (Yes)</b>	1643 (75.4%)	5869 (74.5%)
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### 16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	1216 (52.3%)	4051 (48.4%)
1/2	504 (21.7%)	1966 (23.5%)
1/4	246 (10.6%)	1005 (12.0%)
Nothing	225 (9.7%)	975 (11.7%)
Missing	132 (5.7%)	371 (4.4%)

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

Standard	1465 (63.1%)	5388 (64.4%)
Smaller	200 (8.6%)	778 (9.3%)
Larger	87 (3.7%)	328 (3.9%)
I do not know	264 (11.4%)	848 (10.1%)
Missing	307 (13.2%)	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	158 (16.2%)	570 (14.4%)
I did not like the smell/taste of the food	89 (9.1%)	443 (11.2%)
The food did not fit my cultural/religious preferences	24 (2.5%)	47 (1.2%)
The food was too hot	7 (0.72%)	14 (0.35%)
The food was too cold	39 (4.0%)	86 (2.2%)
Due to food allergy/intolerance	19 (1.9%)	25 (0.63%)
I was not hungry at that time	119 (12.2%)	672 (17.0%)

I do not have my usual appetite	305 (31.3%)	1114 (28.2%)
I have problems chewing/swallowing	70 (7.2%)	225 (5.7%)
I normally eat less than what was served	84 (8.6%)	428 (10.8%)
I had nausea/vomiting	109 (11.2%)	327 (8.3%)
I was too tired	33 (3.4%)	219 (5.5%)
I cannot eat without help	21 (2.2%)	68 (1.7%)
I was not allowed to eat	66 (6.8%)	449 (11.4%)
I had an exam, surgery, or test and missed my meal	79 (8.1%)	234 (5.9%)
I did not get requested food	13 (1.3%)	53 (1.3%)
No answer given	99 (10.2%)	481 (12.2%)

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

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

**19a. Did you eat any food apart from hospital food TODAY?** 646 (31.1%) 2048 (26.7%)

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

Sweet snacks	105 (16.3%)	501 (24.5%)
Salty snacks	70 (10.8%)	273 (13.3%)
Homemade food	86 (13.3%)	302 (14.7%)
Fruits	257 (39.8%)	724 (35.4%)
Dairy products	64 (9.9%)	212 (10.4%)
Food delivered/restaurant	15 (2.3%)	84 (4.1%)
Sandwich	16 (2.5%)	139 (6.8%)
Other	213 (33.0%)	400 (19.5%)

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

Increased	360 (15.5%)	1138 (13.6%)
Decreased	950 (40.9%)	2694 (32.2%)
Stayed the same	771 (33.2%)	3504 (41.9%)
I do not know	91 (3.9%)	582 (7.0%)
Missing	151 (6.5%)	450 (5.4%)

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

Stronger than at admission	1318 (56.7%)	3635 (43.4%)
Weaker than at admission	449 (19.3%)	1458 (17.4%)
Same as at admission	425 (18.3%)	2363 (28.2%)

I was admitted today	6 (0.26%)	236 (2.8%)
I do not know	59 (2.5%)	454 (5.4%)
Missing	66 (2.8%)	222 (2.7%)

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

Yes	1151 (49.5%)	4925 (58.9%)
No, only with assistance	633 (27.2%)	2067 (24.7%)
No, I stay in bed	369 (15.9%)	929 (11.1%)
Missing	170 (7.3%)	447 (5.3%)

<b>23. Did anyone help you complete this questionnaire?</b>	1925 (84.8%)	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>	5	113
<b>Computerized system in hospital:</b>	5 units (100%) YES	109 units (96%) YES
<b>Nutritional treatment of cancer patients is part of overall care plan</b>	4 units (80%) YES	95 units (84%) YES
<b>Nutritional treatment is considered...</b>		
Routinely	2 (40,0%)	56 (49.6%)
When patient asks	1 (20,0%)	29 (25.7%)
When body weight loss > 10%	1 (20,0%)	39 (34.5%)
During palliative phase	1 (20,0%)	33 (29.2%)
Other	-	6 (5.31%)
Missing	1 (20,0%)	17 (15.0%)
<b>Nutritional treatment is not part of the comprehensive approach due to</b>		
Lack of evidence	1 (20,0%)	7 (6.19%)
No knowledge of the field	-	7 (6.19%)
No reimbursement	-	7 (6.19%)
It feeds the tumour	1 (20,0%)	1 (0.88%)
Other	-	4 (3.54%)
<b>Nutritional therapy used for cancer patients</b>		
Nutrition according to nutrition plan	2 (40,0%)	64 (56.6%)
Calculation of energy needs	2 (40,0%)	82 (72.6%)
Monitoring patients intake and use of oral supplements	3 (60,0%)	99 (87.6%)
None	-	4 (3.54%)
Other	-	5 (4.42%)
Missing	-	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	1 (20,0%)	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	2 (40,0%)	75 (66.4%)
At chemotherapy	-	12 (10.6%)
When necessary	3 (60,0%)	23 (20.4%)
Never	-	1 (0.88%)
Unknown	-	1 (0.88%)
Missing	-	1 (0.88%)

**Anthropometrics (circumference)**

Regularly	1 (20,0%)	12 (10.6%)
At chemotherapy	-	1 (0.88%)
When necessary	3 (60,0%)	40 (35.4%)
Never	1 (20,0%)	53 (46.9%)
Unknown	-	1 (0.88%)
Missing	-	6 (5.31%)

**BIA**

Regularly	1 (20,0%)	5 (4.42%)
At chemotherapy	-	-
When necessary	-	23 (20.4%)
Never	4 (80,0%)	77 (68.1%)
Unknown	-	3 (2.65%)
Missing	-	5 (4.42%)

**CT SCAN**

Regularly	1 (20,0%)	6 (5.31%)
At chemotherapy	-	1 (0.88%)
When necessary	-	29 (25.7%)
Never	4 (80,0%)	70 (61.9%)
Unknown	-	3 (2.65%)
Missing	-	4 (3.54%)

**DEXA**

Regularly	1 (20,0%)	2 (1.77%)
At chemotherapy	-	-
When necessary	-	15 (13.3%)
Never	3 (60,0%)	83 (73.5%)
Unknown	-	8 (7.08%)
Missing	1 (20,0%)	5 (4.42%)

**Other (body composition)**

Regularly	1 (20,0%)	1 (0.88%)
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At chemotherapy	-	-
When necessary	-	16 (14.2%)
Never	-	40 (35.4%)
Unknown	-	19 (16.8%)
Missing	4 (80,0%)	37 (32.7%)

### Body function:

#### Handgrip

Regularly	1 (20,0%)	6 (5.31%)
At chemotherapy	-	1 (0.88%)
When necessary	-	36 (31.9%)
Never	4 (80,0%)	60 (53.1%)
Unknown	-	4 (3.54%)
Missing	-	6 (5.31%)

#### 6-minutes walking test

Regularly	1 (20,0%)	3 (2.65%)
At chemotherapy	-	-
When necessary	1 (20,0%)	32 (28.3%)
Never	3 (60,0%)	66 (58.4%)
Unknown	-	5 (4.42%)
Missing	-	7 (6.19%)

#### Other (body function)

Regularly	1 (20,0%)	4 (3.54%)
At chemotherapy	-	-
When necessary	1 (20,0%)	22 (19.5%)
Never	1 (20,0%)	45 (39.8%)
Unknown	-	15 (13.3%)
Missing	2 (40,0%)	27 (23.9%)

#### Nutritional requirements, calculated

Regularly	1 (20,0%)	32 (28.3%)
At chemotherapy	-	-
When necessary	3 (60,0%)	64 (56.6%)
Never	-	5 (4.42%)
Unknown	-	-
Missing	1 (20,0%)	12 (10.6%)

#### Nutritional intake:

##### Every meal

Regularly	2 (40,0%)	31 (27.4%)
At chemotherapy	-	1 (0.88%)
When necessary	2 (40,0%)	49 (43.4%)

Never	-	13 (11.5%)
Unknown	-	6 (5.31%)
Missing	1 (20,0%)	13 (11.5%)
<b>1 meal per day</b>		
Regularly	1 (20,0%)	12 (10.6%)
At chemotherapy	-	1 (0.88%)
When necessary	-	34 (30.1%)
Never	-	19 (16.8%)
Unknown	-	9 (7.96%)
Missing	4 (80,0%)	38 (33.6%)
<b>2 meals per day</b>		
Regularly	1 (20,0%)	12 (10.6%)
At chemotherapy	-	-
When necessary	-	33 (29.2%)
Never	-	20 (17.7%)
Unknown	-	9 (7.96%)
Missing	4 (80,0%)	39 (34.5%)
<b>24h recall</b>		
Regularly	1 (20,0%)	27 (23.9%)
At chemotherapy	-	2 (1.77%)
When necessary	1 (20,0%)	40 (35.4%)
Never	-	12 (10.6%)
Unknown	-	7 (6.19%)
Missing	3 (60,0%)	25 (22.1%)
<b>Other (nutritional intake)</b>		
Regularly	1 (20,0%)	2 (1.77%)
At chemotherapy	-	-
When necessary	1 (20,0%)	16 (14.2%)
Never	-	22 (19.5%)
Unknown	-	17 (15.0%)
Missing	3 (60,0%)	56 (49.6%)
<b>Questionnaire completed by</b>		
Dietitian	3 (60,0%)	40 (35.4%)
Nurse	-	29 (25.7%)
Physician	-	38 (33.6%)
Nutritional scientist	2 (40,0%)	5 (4.42%)
Other	-	-
Missing	-	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>	80	959
<b>Demographic data:</b>		
Age (years)	67 [23-92]	66 [18-96]
Female gender	45 (56,3%)	378 (39.4%)
Weight (kg)	64,0 ± 18,9	65.1 ± 16.5
Height (cm)	169,2 ± 8,4	165.9 ± 9.9
BMI (kg/m2)	21,7 ± 5,1	23.7 ± 4.7
<b>Outpatient (o)/Ward (w)</b>		
Outpatient(o)	1 (1,25%)	63 (6.57%)
Ward (w)	79 (98,8%)	892 (93.0%)
Missing	-	4 (0.42%)
<b>Goal of Therapy</b>		
Curative	36 (45,0%)	554 (57.8%)
Palliative	40 (50,0%)	343 (35.8%)
Terminal	4 (5,00%)	37 (3.86%)
Missing	-	25 (2.61%)
<b>Reason for admission</b>		
Clinical diagnostics	1 (1,25%)	104 (10.8%)
Therapy	53 (66,3%)	469 (48.9%)
Surgery related	3 (3,75%)	200 (20.9%)
Treatment complications	3 (3,75%)	119 (12.4%)
Poor health status	19 (23,8%)	118 (12.3%)
Independent care difficult	1 (1,25%)	6 (0.63%)
Missing	-	-
<b>Present cancer diagnosis</b>		
Breast	2 (2,50%)	51 (5.32%)
Colon, rectum	19 (23,8%)	163 (17.0%)
Prostate	1 (1,25%)	29 (3.02%)
Lung	9 (11,3%)	75 (7.82%)
Skin	2 (2,50%)	4 (0.42%)
Kidney/bladder	4 (5,00%)	30 (3.13%)
Gastric/oesophageal	7 (8,75%)	144 (15.0%)
Pancreas	1 (1,25%)	63 (6.57%)
Lymphoma	6 (7,50%)	94 (9.80%)
Ears nose throat (ENT)	2 (2,50%)	41 (4.28%)
Leukaemia	13 (16,3%)	74 (7.72%)
Genital tract	3 (3,75%)	32 (3.34%)



Liver	-	103 (10.7%)
Sarcoma	3 (3,75%)	8 (0.83%)
Brain	3 (3,75%)	11 (1.15%)
Testicular	-	-
Other	9 (11,3%)	73 (7.61%)
Missing	-	11 (1.15%)

#### Time since diagnosis

0-2 months	6 (7,50%)	344 (35.9%)
3-5 months	9 (11,3%)	159 (16.6%)
6-12 months	16 (20,0%)	152 (15.8%)
1-2 years	29 (36,3%)	118 (12.3%)
2-4 years	14 (17,5%)	77 (8.03%)
> 4 years	4 (5,00%)	87 (9.07%)
Missing	2 (2,50%)	19 (1.98%)

#### Cancer staging

0=Carcinoma in situ	4 (5,00%)	35 (3.65%)
I=Localized	27 (33,8%)	202 (21.1%)
II=Early locally advanced	8 (10,0%)	159 (16.6%)
III=Late locally advanced	13 (16,3%)	168 (17.5%)
IV=Metastasised	27 (33,8%)	287 (29.9%)
Missing	1 (1,25%)	108 (11.3%)

#### Time since first therapy start

No therapy	4 (5,00%)	125 (13.0%)
Tumour staging/diagnosis	1 (1,25%)	63 (6.57%)
0-2 months	9 (11,3%)	267 (27.8%)
3-5 months	5 (6,25%)	128 (13.3%)
6-12 months	17 (21,3%)	135 (14.1%)
1-2 years	20 (25,0%)	90 (9.38%)
2-4 years	6 (7,50%)	59 (6.15%)
> 4 years	15 (18,8%)	98 (10.2%)
Missing	-	16 (1.67%)

#### Therapy situation

Diagnosis	7 (8,75%)	107 (11.2%)
Chemotherapy 1st line	10 (12,5%)	175 (18.2%)
Chemotherapy > 1st line	9 (11,3%)	142 (14.8%)
Radiotherapy	8 (10,0%)	67 (6.99%)
Target therapy	5 (6,25%)	30 (3.13%)
Hormone therapy	-	12 (1.25%)
Palliative	23 (28,8%)	108 (11.3%)
Surgery	18 (22,5%)	322 (33.6%)

Cancer related complications	3 (3,75%)	57 (5.94%)
Therapy related complications	1 (1,25%)	36 (3.75%)
Missing	-	13 (1.36%)

### Infections

None	53 (66,3%)	731 (76.2%)
Local	20 (25,0%)	136 (14.2%)
General	5 (6,25%)	70 (7.30%)
Missing	2 (2,50%)	22 (2.29%)

### Nutrition Treatment

No special diet	29 (36,3%)	453 (47.2%)
Individualized diet plan	42 (52,5%)	228 (23.8%)
Energy rich/protein rich ONS	7 (8,75%)	120 (12.5%)
Enteral nutrition (via NGT/PEG)	-	52 (5.42%)
Parenteral nutrition	1 (1,25%)	128 (13.3%)
ONS enriched with special nutrients	-	19 (1.98%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	1 (1,25%)	7 (0.73%)
Personal preferences	-	109 (11.4%)
Counselling	-	54 (5.63%)
Other	-	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>	80	951
<b>Body weight prior to becoming ill</b>	70 [48-100]	70 [22-180]
<b>Actual body weight</b>	59 [38-96]	63 [21-128]
<b>Change in weight was</b>		
Intentional	4 (5,00%)	31 (3.23%)
Unintentional	65 (81,3%)	607 (63.3%)
Weight is stable	7 (8,75%)	154 (16.1%)
Missing	-	30 (3.13%)
<b>During the last week</b>		
<b>Patients who have had pain:</b>		
Not at all	24 (30,0%)	329 (34.3%)
A little	18 (22,5%)	263 (27.4%)
Quite a bit	18 (22,5%)	161 (16.8%)
Very much	20 (25,0%)	107 (11.2%)
Missing	-	87 (9.07%)
<b>Patients who needed a rest:</b>		
Not at all	30 (37,5%)	230 (24.0%)
A little	18 (22,5%)	279 (29.1%)
Quite a bit	23 (28,8%)	212 (22.1%)
Very much	7 (8,75%)	125 (13.0%)
Missing	-	95 (9.91%)
<b>Patients who felt weak:</b>		
Not at all	24 (30,0%)	228 (23.8%)
A little	20 (25,0%)	266 (27.7%)
Quite a bit	22 (27,5%)	224 (23.4%)
Very much	14 (17,5%)	135 (14.1%)
Missing	-	92 (9.59%)
<b>Patients who felt depressed:</b>		
Not at all	30 (37,5%)	348 (36.3%)
A little	25 (31,3%)	303 (31.6%)
Quite a bit	14 (17,5%)	125 (13.0%)
Very much	11 (13,8%)	72 (7.51%)
Missing	-	89 (9.28%)
<b>Patients who were tired:</b>		

Not at all	28 (35,0%)	241 (25.1%)
A little	17 (21,3%)	283 (29.5%)
Quite a bit	24 (30,0%)	213 (22.2%)
Very much	11 (13,8%)	116 (12.1%)
Missing	-	89 (9.28%)

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

Not at all	33 (41,3%)	373 (38.9%)
A little	16 (20,0%)	220 (22.9%)
Quite a bit	19 (23,8%)	142 (14.8%)
Very much	11 (13,8%)	110 (11.5%)
Missing	1 (1,25%)	94 (9.80%)

#### Patients who lacked appetite:

Not at all	32 (40,0%)	347 (36.2%)
A little	18 (22,5%)	238 (24.8%)
Quite a bit	13 (16,3%)	149 (15.5%)
Very much	14 (17,5%)	113 (11.8%)
Missing	3 (3,75%)	95 (9.91%)

#### Just now

##### Patients who have pain:

Not at all	38 (47,5%)	375 (39.1%)
A little	19 (23,8%)	304 (31.7%)
Quite a bit	13 (16,3%)	122 (12.7%)
Very much	6 (7,50%)	45 (4.69%)
Missing	4 (5,00%)	98 (10.2%)

##### Patients who need a rest:

Not at all	26 (32,5%)	192 (20.0%)
A little	27 (33,8%)	322 (33.6%)
Quite a bit	16 (20,0%)	230 (24.0%)
Very much	5 (6,25%)	98 (10.2%)
Missing	4 (5,00%)	96 (10.0%)

##### Patients who feel weak:

Not at all	25 (31,3%)	209 (21.8%)
A little	28 (35,0%)	313 (32.6%)
Quite a bit	13 (16,3%)	219 (22.8%)
Very much	11 (13,8%)	99 (10.3%)
Missing	2 (2,50%)	98 (10.2%)

##### Patients who are depressed:

Not at all	40 (50,0%)	375 (39.1%)
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A little	21 (26,3%)	314 (32.7%)
Quite a bit	9 (11,3%)	116 (12.1%)
Very much	7 (8,75%)	39 (4.07%)
Missing	3 (3,75%)	96 (10.0%)

#### Patients who are tired:

Not at all	28 (35,0%)	222 (23.1%)
A little	25 (31,3%)	343 (35.8%)
Quite a bit	18 (22,5%)	197 (20.5%)
Very much	6 (7,50%)	82 (8.55%)
Missing	3 (3,75%)	94 (9.80%)

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

Not at all	33 (41,3%)	339 (35.3%)
A little	21 (26,3%)	259 (27.0%)
Quite a bit	11 (13,8%)	154 (16.1%)
Very much	11 (13,8%)	80 (8.34%)
Missing	3 (3,75%)	100 (10.4%)

#### Patients who lack appetite:

Not at all	36 (45,0%)	327 (34.1%)
A little	26 (32,5%)	264 (27.5%)
Quite a bit	9 (11,3%)	157 (16.4%)
Very much	6 (7,50%)	92 (9.59%)
Missing	3 (3,75%)	99 (10.3%)

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

Nausea/Vomiting	13 (16,3%)	154 (16.1%)
Inflammation in mouth	4 (5,00%)	55 (5.74%)
Pain	7 (8,75%)	116 (12.1%)
Constipation	8 (10,0%)	64 (6.67%)
Diarrhea	4 (5,00%)	42 (4.38%)
Change in taste/smell	7 (8,75%)	104 (10.8%)
Early satiation/Loss of appetite	16 (20,0%)	217 (22.6%)
Other	15 (18,8%)	165 (17.2%)
Missing	5 (6,25%)	45 (4.69%)

#### Maximum activity performed by patients

Able to do sports	3 (3,75%)	38 (3.96%)
Fully active	9 (11,3%)	125 (13.0%)
Able to carry out light activities	11 (13,8%)	184 (19.2%)
Able to carry out self care	20 (25,0%)	215 (22.4%)
Able to carry out limited self care	14 (17,5%)	146 (15.2%)
Confined to bed or chair	23 (28,8%)	142 (14.8%)

Missing	-	96 (10.0%)
<b>Patient takes additional (without prescription)</b>		
Nothing	59 (73,8%)	611 (63.7%)
Herbal tea	3 (3,75%)	75 (7.82%)
Nutritional supplements	5 (6,25%)	61 (6.36%)
Multivitamin	6 (7,50%)	37 (3.86%)
Other medication	5 (6,25%)	44 (4.59%)
Other	2 (2,50%)	49 (5.11%)
Missing	2 (2,50%)	116 (12.1%)
<b>Additional activities performed</b>		
Nothing	68 (85,0%)	710 (74.0%)
Psychotherapy	-	17 (1.77%)
Yoga	1 (1,25%)	9 (0.94%)
Meditation	2 (2,50%)	21 (2.19%)
Progressive muscle relaxation	2 (2,50%)	14 (1.46%)
Qigong	-	1 (0.10%)
Other	8 (10,0%)	68 (7.09%)
Missing	2 (2,50%)	129 (13.5%)
<b>Patients having difficulties in complying with treatment</b>	27 (33,8%)	181 (18.9%)
<b>Patients needing help to complete questionnaire</b>	66 (82,5%)	545 (56.8%)
<b>Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:</b>	70 (87,5%)	549 (57.2%)