



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2018 and for your effort. We are now able to present you your country report of the following sample size:

Number of participated center:	4
Number of participated units:	6
Number of patients who gave consent:	154
Number of patients completing Sheet 3a:	154
Number of patients completing Sheet 3b:	154
Number of cancer patients:	30
Number of patients completing Sheet 2_onco:	21
Number of patients completing Sheet 3_onco:	21
Number of patients with 30-day outcome assessment:	154

This report compares your country to international reference database based on data from nutritionDay 2016 and 2017.

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 2019. 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>	682 [479-804]	317 [188-615]
<b>2. Total number of admissions in the hospital last year</b>	30035 [25899-34170]	17520 [8982-34767]
<b>3. Total number of staff in the hospital</b>		
Total medical doctors	980 [686-1274]	170 [78-396]
Medical specialists	581 [446-716]	117 [54-244]
Medical non-specialists	399 [240-558]	35 [11-82]
Nurses	1495 [1276-1713]	418 [195-800]
Dieticians	4 [3-6]	5 [2-9]
Nutritionists	15 [10-19]	1 [0-4]
Pharmacists	25 [22-27]	7 [4-22]
Kitchen staff	101 [100-101]	30 [14-55]
<b>Full time equivalent</b>		
Total medical doctors	806 [594-1017]	139 [60-368]
Medical specialists	546 [424-667]	98 [48-245]
Medical non-specialists	399 [240-557]	34 [11-87]
Nurses	1491 [1272-1709]	350 [187-778]
Dieticians	4 [3-6]	4 [2-8]
Nutritionists	15 [10-19]	1 [0-3]
Pharmacists	25 [22-27]	6 [3-18]
Kitchen staff	101 [100-101]	27 [14-50]
<b>4. Does the hospital have a nutrition care strategy?</b>	2 (100%) Yes	351 (78.7%) Yes
<b>5. Which nutrition-related standards or routine activities exist in your hospital?</b>		
Nutrition training is available	2 (66.7%) Yes	298 (66.8%) Yes
Nutrition steering committee is available	2 (66.7%) Yes	280 (62.8%) Yes
Quality indicators are recorded and reported to national or regional level	-	193 (43.3%) Yes
Quality indicators are used for internal benchmarking	1 (33.3%) Yes	235 (52.7%) Yes
Patient feedback about food and food service is collected using a questionnaire	1 (33.3%) Yes	337 (75.6%) Yes
None	-	19 (4.3%) Yes
No answer given	1 (33.3%)	-
<b>6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?</b>		
<b>Codes available</b>		
Nutrition Support	-	216 (48.4%) Yes
Oral nutrition supplements	-	165 (37.0%) Yes

Parenteral nutrition	1 (33.3%) Yes	255 (57.2%) Yes
Enteral nutrition	1 (33.3%) Yes	224 (50.2%) Yes
Dietary counseling	-	166 (37.2%) Yes
Specific dietary interventions	-	119 (26.7%) Yes
Screening for malnutrition	-	119 (26.7%) Yes
Risk of malnutrition	-	103 (23.1%) Yes
Malnutrition (in general)	2 (66.7%) Yes	203 (45.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	-	195 (43.7%) Yes
No information available from billing/finance/controlling	-	75 (16.8%) Yes
No answer given	-	18 (4.0%)

### Codes routinely used

Nutrition Support	-	188 (42.2%) Yes
Oral nutrition supplements	-	143 (32.1%) Yes
Parenteral nutrition	1 (33.3%) Yes	233 (52.2%) Yes
Enteral nutrition	1 (33.3%) Yes	205 (46.0%) Yes
Dietary counseling	-	140 (31.4%) Yes
Specific dietary interventions	-	105 (23.5%) Yes
Screening for malnutrition	-	95 (21.3%) Yes
Risk of malnutrition	-	80 (17.9%) Yes
Malnutrition (in general)	2 (66.7%) Yes	176 (39.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	-	169 (37.9%) Yes
No information available from billing/finance/controlling	-	81 (18.2%) Yes
No answer given	-	29 (6.5%)

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	2 (33.3%)	19.3%
Internal Medicine / Cardiology	-	4.5%
Internal Medicine / Gastroenterology & hepatology	-	6.3%
Internal Medicine / Geriatrics	-	7.9%
Internal Medicine / Infectious diseases	-	0.5%
Internal Medicine / Nephrology	-	1.3%
Internal Medicine / Oncology (incl. radiotherapy)	1 (16.7%)	7.2%
Interdisciplinary	-	3.3%
Long term care	-	2.0%
Neurology	-	3.6%
Surgery / General	-	13.5%
Surgery/ Cardiac/Vascular/Thoracic	-	2.1%
Surgery / Neurosurgery	-	1.0%
Surgery / Orthopedic	-	4.2%
Trauma	-	1.4%
Ear Nose Throat (ENT)	-	1.8%
Gynecology / Obstetrics	-	1.6%
Pediatrics	-	1.3%
Psychiatry	-	0.9%
Others	3 (50.0%)	16.1%
<b>2. Number of registered inpatients at noon</b>	17 [13-23]	24 [18-31]
<b>3. Total bed capacity of the unit</b>	22 [20-24]	30 [24-38]
<b>4. Number of each type of staff in the unit for TODAY's morning shift</b>		
<b>Fully trained</b>		
Medical doctors	7 [5-15]	3 [2-7]
Nurses	5 [5-6]	5 [3-8]
Nursing aides	4 [4-10]	2 [1-3]
Dieticians	1 [1-3]	1 [0-1]
Nutritionists	1 [1-1]	0 [0-1]
Administrative staff	1 [1-2]	1 [0-1]
Other staff involved in patient care	2 [1-3]	1 [0-2]
<b>In training</b>		
Medical doctors	3 [1-5]	1 [0-3]
Medical students	-	0 [0-2]
Nurses	2 [1-2]	1 [0-3]

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

**5. Is there a nutrition support team in your hospital available?** 4 (100%) Yes 705 (76.4%) Yes

**6. Does the unit have a nutrition care strategy?** 4 (100%) Yes 678 (73.5%) Yes

**7. Is there a person in your unit responsible for nutrition care?** 4 (100%) Yes 644 (69.8%) Yes

**8. Is there a dietician, nutritionist or dietetic assistant available for your unit?** 5 (100%) Yes 831 (90.0%) Yes

**9. Is specific staff responsible for providing feeding assistance to patients during meal times?** 2 (50.0%) Yes 575 (62.3%) Yes

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

**At admission**

No routine screening	-	85 (8.8%) Yes
No fixed criteria	-	14 (1.4%) Yes
Experience / visual assessment only	1 (16.7%) Yes	77 (7.9%) Yes
Weighing / BMI only	-	141 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	4 (66.7%) Yes	309 (31.9%) Yes
Malnutrition Universal Screening Tool (MUST)	-	59 (6.1%) Yes
Malnutrition Screening tool (MST)	-	70 (7.2%) Yes
SNAQ	-	11 (1.1%) Yes
Other formal tool	-	148 (15.3%) Yes
I do not know	-	9 (0.93%) Yes
Missing	1 (16.7%)	47 (4.8%)

**During hospital stay**

No routine monitoring	-	88 (9.1%) Yes
No fixed criteria	1 (16.7%) Yes	77 (7.9%) Yes
Experience / visual assessment only	-	174 (17.9%) Yes
Weighing / BMI only	3 (50.0%) Yes	313 (32.3%) Yes
Other formal tool	1 (16.7%) Yes	251 (25.9%) Yes
I do not know	-	20 (2.1%) Yes
Missing	1 (16.7%)	47 (4.8%)

**11a. Do you routinely use guidelines or standards for nutrition care?** 4 (100%) Yes 724 (80.0%) Yes

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

International guidelines	3 (75.0%) Yes	186 (25.7%) Yes
National guidelines	1 (25.0%) Yes	105 (14.5%) Yes
Standards on hospital level	-	249 (34.4%) Yes
Standards on unit level	-	51 (7.0%) Yes
Individual patient nutrition care plans	-	116 (16.0%) Yes
Other	-	7 (0.97%) Yes
Missing	-	10 (1.4%)

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

Watchful waiting	-	281 (29.0%) Yes
Discuss nutrition care activities during ward rounds	1 (16.7%) Yes	430 (44.3%) Yes
Develop an individual nutrition care plan	3 (50.0%) Yes	509 (52.5%) Yes
Initiate treatment / nutrition intervention	2 (33.3%) Yes	582 (60.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (16.7%) Yes	592 (61.0%) Yes
Consult a medical professional	1 (16.7%) Yes	383 (39.5%) Yes
Calculate energy requirements	3 (50.0%) Yes	479 (49.4%) Yes
Calculate protein requirements	3 (50.0%) Yes	466 (48.0%) Yes

**Malnourished**

Watchful waiting	-	196 (20.2%) Yes
Discuss nutrition care activities during ward rounds	-	462 (47.6%) Yes
Develop an individual nutrition care plan	3 (50.0%) Yes	541 (55.8%) Yes
Initiate treatment / nutrition intervention	2 (33.3%) Yes	624 (64.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (16.7%) Yes	581 (59.9%) Yes
Consult a medical professional	-	411 (42.4%) Yes
Calculate energy requirements	3 (50.0%) Yes	537 (55.4%) Yes
Calculate protein requirements	3 (50.0%) Yes	522 (53.8%) Yes

**Every patient**

Watchful waiting	3 (50.0%) Yes	483 (49.8%) Yes
Discuss nutrition care activities during ward rounds	2 (33.3%) Yes	258 (26.6%) Yes
Develop an individual nutrition care plan	1 (16.7%) Yes	184 (19.0%) Yes
Initiate treatment / nutrition intervention	2 (33.3%) Yes	135 (13.9%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	3 (50.0%) Yes	185 (19.1%) Yes
Consult a medical professional	-	209 (21.5%) Yes
Calculate energy requirements	1 (16.7%) Yes	123 (12.7%) Yes
Calculate protein requirements	1 (16.7%) Yes	113 (11.6%) Yes

**Never**

Watchful waiting	1 (16.7%) Yes	76 (7.8%) Yes
Discuss nutrition care activities during ward rounds	-	62 (6.4%) Yes

Develop an individual nutrition care plan	-	50 (5.2%) Yes
Initiate treatment / nutrition intervention	-	13 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	16 (1.6%) Yes
Consult a medical professional	2 (33.3%) Yes	106 (10.9%) Yes
Calculate energy requirements	-	103 (10.6%) Yes
Calculate protein requirements	-	124 (12.8%) Yes

#### I do not know

Watchful waiting	-	51 (5.3%) Yes
Discuss nutrition care activities during ward rounds	1 (16.7%) Yes	40 (4.1%) Yes
Develop an individual nutrition care plan	-	22 (2.3%) Yes
Initiate treatment / nutrition intervention	-	22 (2.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	18 (1.9%) Yes
Consult a medical professional	1 (16.7%) Yes	51 (5.3%) Yes
Calculate energy requirements	-	40 (4.1%) Yes
Calculate protein requirements	-	42 (4.3%) Yes

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

at admission	2 (33.3%) Yes	625 (64.4%) Yes
Within 24 hours	1 (16.7%) Yes	142 (14.6%) Yes
Within 48 hours	1 (16.7%) Yes	54 (5.6%) Yes
Within 72 hours	3 (50.0%) Yes	27 (2.8%) Yes
Every week	2 (33.3%) Yes	393 (40.5%) Yes
Occasionally	1 (16.7%) Yes	109 (11.2%) Yes
When requested	2 (33.3%) Yes	483 (49.8%) Yes
At discharge	-	52 (5.4%) Yes
Never	1 (16.7%) Yes	13 (1.3%) Yes
I do not know	-	4 (0.41%) Yes
No answer given	10 (41.7%)	50 (5.2%)

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

Offer additional meals or in between snacks	4 (66.7%) Yes	730 (75.3%) Yes
Offer meal choices	3 (50.0%) Yes	711 (73.3%) Yes
Offer different portion sizes	3 (50.0%) Yes	635 (65.5%) Yes
Consider food presentation	2 (33.3%) Yes	356 (36.7%) Yes
Change food texture/consistency as needed	5 (83.3%) Yes	797 (82.2%) Yes
Consider patient problems with eating and drinking	5 (83.3%) Yes	793 (81.8%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	1 (16.7%) Yes	218 (22.5%) Yes
Promote positive eating environment	-	281 (29.0%) Yes
Consider cultural/religious preferences	4 (66.7%) Yes	559 (57.6%) Yes
Consider patient allergies / intolerances	5 (83.3%) Yes	650 (67.0%) Yes
Other	1 (16.7%) Yes	74 (7.6%) Yes
I do not know	-	19 (2.0%) Yes
No answer given	1 (16.7%)	48 (4.9%)

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

Nutrition training is available	3 (50.0%) Yes	558 (57.5%) Yes
Reporting of nutrition related information to hospital managers	2 (33.3%) Yes	408 (42.1%) Yes
Quality indicators are recorded and reported to national or regional level	1 (16.7%) Yes	302 (31.1%) Yes
Quality indicators are used for internal benchmarking	1 (16.7%) Yes	358 (36.9%) Yes
Patient feedback about food and food service is collected using a questionnaire	4 (66.7%) Yes	625 (64.4%) Yes
None	-	32 (3.3%) Yes
I do not know	-	38 (3.9%) Yes
No answer given	2 (33.3%)	68 (7.0%)

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

Change in weight	4 (66.7%) Yes	775 (79.9%) Yes
Eating habits/difficulties	4 (66.7%) Yes	746 (76.9%) Yes
Nutrition before admission	3 (50.0%) Yes	592 (61.0%) Yes
None	-	15 (1.5%) Yes
I do not know	-	20 (2.1%) Yes
No answer given	2 (33.3%)	70 (7.2%)

### 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	2 (33.3%) Yes	708 (73.0%) Yes
nutrition treatment	2 (33.3%) Yes	582 (60.0%) Yes
None	1 (16.7%) Yes	54 (5.6%) Yes
I do not know	-	26 (2.7%) Yes

#### b. Discharge Letter ...

summarizes nutrition treatment received during stay	1 (16.7%) Yes	407 (42.0%) Yes
makes future nutrition-related recommendations	3 (50.0%) Yes	572 (59.0%) Yes
None	1 (16.7%) Yes	110 (11.3%) Yes
I do not know	-	69 (7.1%) Yes

<b>18. Do you provide brochures about malnutrition to at risk/malnourished patients?</b>	-	356 (44.8%) Yes
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### 19. Who filled in this sheet?

Head staff	1 (16.7%) Yes	281 (29.0%) Yes
Dietician	4 (66.7%) Yes	517 (53.3%) Yes
Nurse	-	279 (28.8%) Yes
Physician	-	128 (13.2%) Yes
Administrative staff	-	8 (0.82%) Yes

Other	-	39 (4.0%) Yes
None	-	-
I do not know	-	7 (0.72%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	154	17827
Age	73 [63-81]	67 [53-78]
Female	73 (47.4%)	8951 (50.2%)
Weight	71.0±17.4	70.1±19.2
Height	163±9	165±10
BMI	26.6±6.2	25.5±6.0

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

planned	17 (11.0%)	6798 (38.1%)
an emergency	131 (85.1%)	9562 (53.6%)
I do not know	6 (3.9%)	1467 (8.2%)
No answer given	-	-

#### 2a. Diagnosis at admission

0100 Infectious and parasitic diseases	15 (9.7%)	1555 (8.7%)
0200 Neoplasms	35 (22.7%)	3133 (17.6%)
0300 Blood and bloodforming organs and the immune mechanism	16 (10.4%)	1159 (6.5%)
0400 Endocrine, nutritional and metabolic diseases	8 (5.2%)	2190 (12.3%)
0500 Mental health	1 (0.65%)	851 (4.8%)
0600 Nervous system	7 (4.5%)	1636 (9.2%)
0700 Eye and adnexa	1 (0.65%)	236 (1.3%)
0800 Ear and mastoid process	1 (0.65%)	127 (0.71%)
0900 Circulatory system	34 (22.1%)	3801 (21.3%)
1000 Respiratory system	63 (40.9%)	2810 (15.8%)
1100 Digestive system	9 (5.8%)	4343 (24.4%)
1200 Skin and subcutaneous tissue	1 (0.65%)	786 (4.4%)
1300 Musculoskeletal system and connective tissue	16 (10.4%)	2703 (15.2%)
1400 Genitourinary system	20 (13.0%)	1776 (10.0%)
1500 Pregnancy, childbirth and the puerperium	-	198 (1.1%)
1600 Conditions originating in the perinatal period	-	25 (0.14%)
1700 Congenital/chromosomal abnormalities	-	31 (0.17%)
1800 Symptoms, signs, abnormal clinical/lab findings	9 (5.8%)	816 (4.6%)
1900 Injury, poisoning	2 (1.3%)	512 (2.9%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	-	379 (2.1%)
2100 Factors influencing health status and contact with health services	4 (2.6%)	619 (3.5%)
No answer given	-	-

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

Cardiac insufficiency	43 (30.5%)	3518 (22.5%)
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Myocardial infarction	2 (1.4%)	823 (5.4%)
Chronic lung disease	34 (23.4%)	2299 (14.8%)
Cerebral vascular disease	20 (14.6%)	1523 (9.9%)
Peripheral vascular disease	21 (15.3%)	1931 (12.6%)
Chronic liver disease	6 (4.4%)	992 (6.5%)
Chronic kidney disease	18 (13.2%)	1734 (11.3%)
Diabetes	49 (35.0%)	3888 (24.9%)
Cancer	30 (21.6%)	3763 (24.2%)
Infection	24 (17.4%)	2245 (14.5%)
Dementia	13 (9.5%)	798 (5.2%)
Major depressive disorder	15 (10.9%)	853 (5.6%)
Other chronic mental disorder	5 (3.6%)	815 (5.4%)
Other chronic disease	78 (54.5%)	4031 (25.9%)
None	10 (6.5%)	3008 (16.9%)

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

Yes, planned	1 (0.65%)	3584 (20.1%)
Yes, acute	-	1077 (6.0%)
No	106 (68.8%)	12545 (70.4%)
I do not know	1 (0.65%)	230 (1.3%)
Missing	46 (29.9%)	391 (2.2%)

Days since operation	-	3 [1-11]
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#### 4b. Planned operation during this hospital stay

Yes, today or tomorrow	1 (0.65%)	1266 (7.1%)
Yes, later	1 (0.65%)	953 (5.3%)
No	106 (68.8%)	13798 (77.4%)
I do not know	-	833 (4.7%)
Missing	46 (29.9%)	977 (5.5%)

<b>5. Previous ICU admission during this hospital stay? (Yes)</b>	-	1781 (10.0%)
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<b>6. Is this patient terminally ill?</b>	7 (4.5%)	1122 (6.3%)
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#### 7. Fluid status

Normal	121 (78.6%)	13668 (76.7%)
Overloaded	7 (4.5%)	1008 (5.7%)
Dehydrated	12 (7.8%)	878 (4.9%)
I do not know	14 (9.1%)	2273 (12.8%)
Missing	-	-

#### 8. Number of different medications planned

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

Malnourished	18 (11.7%)	2050 (11.5%)
At risk	23 (14.9%)	3162 (17.7%)
No	110 (71.4%)	11117 (62.4%)
I do not know	3 (1.9%)	1498 (8.4%)
Missing	-	-

### 10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	51 (33.1%)	6470 (36.3%)
5% Glucose solution	11 (7.1%)	1853 (10.4%)

<b>11. Number of ONS drinks planned</b>	0 [0-0]	0 [0-0]
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### 12. Nutrition intake

Regular hospital food	100 (64.9%)	10454 (58.6%)
Fortified/enriched hospital food	16 (10.4%)	1962 (11.0%)
Protein/energy supplement (e.g. ONS drinks)	22 (14.3%)	2469 (13.8%)
Enteral nutrition	6 (3.9%)	882 (4.9%)
Parenteral nutrition	-	929 (5.2%)
Special diet	76 (49.4%)	5732 (32.2%)
None	-	895 (5.0%)

### 13a. All lines and Tubes

Central Venous	13 (12.0%)	1535 (8.6%)
Peripheral venous access	56 (51.9%)	8238 (46.2%)
Nasogastric	4 (3.7%)	462 (2.6%)
Nasojejunal	-	79 (0.44%)
Nasoduodenal	-	67 (0.38%)
Enterostoma	-	82 (0.46%)
Percutaneous endoscopy/surgical gastrostomy	1 (0.93%)	137 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	-	63 (0.35%)
None	86 (55.8%)	8032 (45.1%)

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

Yes, previously	1 (0.65%)	247 (1.4%)
Yes, ongoing	1 (0.65%)	173 (0.97%)
No	94 (61.0%)	14548 (81.6%)
I do not know	10 (6.5%)	1646 (9.2%)
Missing	48 (31.2%)	1213 (6.8%)

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

Energy requirements were determined	68 (63.0%)	6273 (35.2%)
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Protein requirements were determined	68 (63.0%)	5516 (30.9%)
Food/Nutrition intake was recorded in the patient record	52 (48.1%)	7653 (42.9%)
Nutrition treatment plan was developed	73 (67.6%)	6036 (33.9%)
Nutrition expert was consulted	61 (56.5%)	6237 (35.0%)
Malnutrition status is recorded in the patient record	44 (40.7%)	5297 (29.7%)
None	-	-

### 15a. Energy goal

< 500 kcal	1 (0.65%)	749 (4.2%)
500-999 kcal	-	194 (1.1%)
1000-1499 kcal	1 (0.65%)	1695 (9.5%)
1500-1999 kcal	54 (35.1%)	5578 (31.3%)
>=2000 kcal	31 (20.1%)	1992 (11.2%)
Not determined	21 (13.6%)	6066 (34.0%)
I do not know	-	1515 (8.5%)
Missing	46 (29.9%)	38 (0.21%)

### 15b. Energy intake

< 500 kcal	2 (1.3%)	1264 (7.1%)
500-999 kcal	4 (2.6%)	900 (5.0%)
1000-1499 kcal	16 (10.4%)	2387 (13.4%)
1500-1999 kcal	54 (35.1%)	3954 (22.2%)
>=2000 kcal	-	1047 (5.9%)
Not determined	32 (20.8%)	6021 (33.8%)
I do not know	-	2199 (12.3%)
Missing	46 (29.9%)	55 (0.31%)

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

Improved	55 (35.7%)	8831 (49.5%)
Deteriorated	7 (4.5%)	1039 (5.8%)
Remained the same	21 (13.6%)	4935 (27.7%)
This patient has just been admitted	4 (2.6%)	1248 (7.0%)
I do not know	21 (13.6%)	1774 (10.0%)
Missing	46 (29.9%)	-

Length of hospital stay (days)	14 [8-22]	12 [6-24]
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### Outcome Code

1= Still in the hospital	35 (22.7%)	1702 (9.5%)
2= Transferred to another hospital	1 (0.65%)	419 (2.4%)
3= Transferred to long term care	3 (1.9%)	780 (4.4%)
4= Rehabilitation	-	785 (4.4%)
5= Discharged home	97 (63.0%)	13163 (73.8%)
6= Death	6 (3.9%)	535 (3.0%)

7= Others	12 (7.8%)	310 (1.7%)
Missing	-	133 (0.75%)
Readmitted since ND		
1= No	70 (65.4%)	11846 (75.5%)
2= Yes, same hospital planned	-	1043 (6.7%)
3= Yes, same hospital unplanned	3 (2.8%)	889 (5.7%)
4= Yes, different hospital planned	1 (0.93%)	68 (0.43%)
5= Yes, different hospital unplanned	1 (0.93%)	68 (0.43%)
6= Unknown	-	646 (4.1%)
Missing	32 (29.9%)	1059 (6.8%)

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

	<i>YOUR RESULTS</i>	<i>REFERENCE RESULTS</i>
<b>1. What are your typical dietary habits?</b>		
No special dietary habits	72 (46.8%)	12235 (71.0%)
I am vegetarian	2 (1.3%)	370 (2.1%)
I adhere to a vegan diet	-	132 (0.77%)
I eat gluten-free diet	1 (0.65%)	156 (0.91%)
I avoid added sugars	23 (14.9%)	2604 (15.1%)
I avoid carbohydrates	3 (1.9%)	1038 (6.0%)
I eat a low fat-diet	17 (11.0%)	1930 (11.2%)
I am lactose intolerant	2 (1.3%)	572 (3.3%)
Other special diet due to intolerances/allergies	1 (0.65%)	323 (1.9%)
Other	9 (5.8%)	1219 (7.1%)
No answer given	46 (29.9%)	337 (2.0%)
<b>2. Where did you live before your current hospital admission?</b>		
At home	95 (61.7%)	15276 (88.7%)
In a nursing home or other live-in facility	6 (3.9%)	609 (3.5%)
I was transferred from another hospital	4 (2.6%)	883 (5.1%)
Other	3 (1.9%)	268 (1.6%)
Missing	46 (29.9%)	185 (1.1%)
<b>3. In general, are you able to walk?</b>		
Yes	53 (34.4%)	11104 (64.5%)
Yes, with someone's help	14 (9.1%)	1762 (10.2%)
Yes, independently using a cane, walker, or crutches	11 (7.1%)	2412 (14.0%)
No, I have a wheelchair	13 (8.4%)	712 (4.1%)
No, I am bedridden	17 (11.0%)	988 (5.7%)
Missing	46 (29.9%)	243 (1.4%)
<b>4. In general, how would you say your health is?</b>		
Very good	1 (0.65%)	1252 (7.3%)
Good	14 (9.1%)	6191 (36.0%)
Fair	32 (20.8%)	6489 (37.7%)
Poor	48 (31.2%)	2490 (14.5%)
Very poor	13 (8.4%)	558 (3.2%)
Missing	46 (29.9%)	241 (1.4%)
<b>5. Over the last 12 months prior to your current hospital admission approximately...</b>		
... how many times have you seen a doctor?	4 [2-10]	5 [2-10]
... how many times have you been admitted to the hospital (Emergency room, any ward)?	1 [1-3]	1 [0-2]
... how many nights in total have you spent in hospital?	13 [6-32]	5 [0-15]

<b>6. How many different medications do you take routinely each day (prior to hospitalisation)?</b>		
1-2	10 (6.5%)	3323 (19.3%)
3-5	26 (16.9%)	4698 (27.3%)
More than 5	50 (32.5%)	5507 (32.0%)
None	9 (5.8%)	2633 (15.3%)
I do not know	13 (8.4%)	778 (4.5%)
Missing	46 (29.9%)	282 (1.6%)

<b>7. Do you have health insurance?</b>		
Yes, private insurance only	7 (4.5%)	2738 (15.9%)
Yes, public insurance only	33 (21.4%)	8466 (49.2%)
Yes, both	1 (0.65%)	2117 (12.3%)
None	58 (37.7%)	2268 (13.2%)
I prefer not to answer	8 (5.2%)	1018 (5.9%)
Missing	47 (30.5%)	614 (3.6%)

<b>8. What was your weight 5 years ago?</b>		
	74 [65-82]	72 [60-85]
I do not know	44 (28.6%)	4280 (24.9%)

<b>9a. Have you lost weight within the last 3 months?</b>		
Yes, intentionally	7 (4.5%)	1639 (9.5%)
Yes, unintentionally	72 (46.8%)	6488 (37.7%)
No, my weight stayed the same	24 (15.6%)	5108 (29.7%)
No, I gained weight	19 (12.3%)	1894 (11.0%)
I do not know	31 (20.1%)	1680 (9.8%)
Missing	1 (0.65%)	412 (2.4%)

<b>9b. If yes, how many kg did you lose?</b>		
	7 [4-10]	6 [4-10]
I do not know	37 (46.8%)	1267 (15.6%)

<b>10. Did you know about your hospitalisation two days before admission? (Yes)</b>		
	9 (8.6%)	6721 (41.1%)

<b>11. Please indicate if you ...</b>		
... were weighed at admission	22 (20.4%)	9728 (57.2%)
... were informed about your nutrition status	15 (13.9%)	5774 (34.3%)
... were informed about nutrition care options	25 (23.4%)	5459 (32.5%)
... received special nutrition care	20 (18.7%)	5054 (30.1%)

<b>12. How well have you eaten in the week before you were admitted to the hospital?</b>		
More than normal	4 (2.6%)	762 (4.5%)
Normal	99 (64.3%)	10449 (61.1%)
About 3/4 of normal	14 (9.1%)	1762 (10.3%)
About half of normal	20 (13.0%)	2122 (12.4%)

About a quarter to nearly nothing	9 (5.8%)	1571 (9.2%)
I do not know	7 (4.5%)	153 (0.89%)
Missing	1 (0.65%)	286 (1.7%)

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

Very satisfied	15 (9.7%)	4212 (24.6%)
Somewhat satisfied	35 (22.7%)	5626 (32.9%)
Neutral	14 (9.1%)	3361 (19.6%)
Dissatisfied	21 (13.6%)	1441 (8.4%)
Very dissatisfied	12 (7.8%)	491 (2.9%)
I do not know	10 (6.5%)	1415 (8.3%)
Missing	47 (30.5%)	559 (3.3%)

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

Yes, from family or friends	15 (9.7%)	1651 (9.7%)
Yes, from hospital staff	24 (15.6%)	1185 (6.9%)
No	66 (42.9%)	13278 (77.6%)
I do not know	-	218 (1.3%)
Missing	49 (31.8%)	773 (4.5%)

<b>15. Were you able to eat without interruption TODAY? (Yes)</b>	87 (84.5%)	11891 (74.2%)
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### 16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	63 (40.9%)	7871 (46.0%)
1/2	42 (27.3%)	4261 (24.9%)
1/4	24 (15.6%)	2226 (13.0%)
Nothing	17 (11.0%)	1992 (11.6%)
Missing	8 (5.2%)	755 (4.4%)

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

Standard	70 (45.5%)	11000 (64.3%)
Smaller	6 (3.9%)	1600 (9.4%)
Larger	-	763 (4.5%)
I do not know	16 (10.4%)	1701 (9.9%)
Missing	62 (40.3%)	2041 (11.9%)

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

I did not like the type of food offered	33 (39.8%)	1293 (15.2%)
I did not like the smell/taste of the food	18 (21.7%)	996 (11.7%)
The food did not fit my cultural/religious preferences	7 (8.4%)	90 (1.1%)
The food was too hot	-	38 (0.45%)
The food was too cold	2 (2.4%)	207 (2.4%)
Due to food allergy/intolerance	-	53 (0.63%)
I was not hungry at that time	12 (14.5%)	1520 (17.9%)

I do not have my usual appetite	27 (32.5%)	2475 (29.2%)
I have problems chewing/swallowing	12 (14.5%)	478 (5.6%)
I normally eat less than what was served	8 (9.6%)	969 (11.4%)
I had nausea/vomiting	8 (9.6%)	637 (7.5%)
I was too tired	6 (7.2%)	506 (6.0%)
I cannot eat without help	5 (6.0%)	141 (1.7%)
I was not allowed to eat	3 (3.6%)	869 (10.2%)
I had an exam, surgery, or test and missed my meal	4 (4.8%)	469 (5.5%)
I did not get requested food	-	93 (1.1%)
No answer given	5 (6.0%)	1161 (13.7%)

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

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

<b>19a. Did you eat any food apart from hospital food TODAY?</b>	41 (39.4%)	4518 (28.8%)
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### 19b. If yes, what did you eat?

Sweet snacks	10 (24.4%)	1302 (28.8%)
Salty snacks	3 (7.3%)	512 (11.3%)
Homemade food	6 (14.6%)	703 (15.6%)
Fruits	14 (34.1%)	1730 (38.3%)
Dairy products	4 (9.8%)	471 (10.4%)
Food delivered/restaurant	1 (2.4%)	191 (4.2%)
Sandwich	5 (12.2%)	282 (6.2%)
Other	15 (36.6%)	724 (16.0%)

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

Increased	15 (9.7%)	2508 (14.7%)
Decreased	31 (20.1%)	5344 (31.2%)
Stayed the same	49 (31.8%)	7154 (41.8%)
I do not know	11 (7.1%)	1188 (6.9%)
Missing	48 (31.2%)	911 (5.3%)

### 21. TODAY I feel...

Stronger than at admission	85 (55.2%)	7275 (42.5%)
Weaker than at admission	21 (13.6%)	3158 (18.5%)
Same as at admission	30 (19.5%)	4825 (28.2%)

I was admitted today	-	465 (2.7%)
I do not know	17 (11.0%)	926 (5.4%)
Missing	1 (0.65%)	456 (2.7%)

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

Yes	67 (43.5%)	10229 (59.8%)
No, only with assistance	38 (24.7%)	4164 (24.3%)
No, I stay in bed	46 (29.9%)	1821 (10.6%)
Missing	3 (1.9%)	891 (5.2%)

<b>23. Did anyone help you complete this questionnaire?</b>	95 (89.6%)	10837 (65.0%)
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## V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	3	255
Computerized system in hospital:	3 units (100%) YES	243 units (95%) YES
Nutritional treatment of cancer patients is part of overall care plan	3 units (100%) YES	225 units (88%) YES
<b>Nutritional treatment is considered...</b>		
Routinely	3 (100%)	153 (60,0%)
When patient asks	1 (33,3%)	62 (24,3%)
When body weight loss > 10%	1 (33,3%)	72 (28,2%)
During palliative phase	-	62 (24,3%)
Other	-	14 (5,49%)
Missing	-	26 (10,2%)
<b>Nutritional treatment is not part of the comprehensive approach due to</b>		
Lack of evidence	-	10 (3,92%)
No knowledge of the field	-	9 (3,53%)
No reimbursement	-	8 (3,14%)
It feeds the tumour	-	2 (0,78%)
Other	-	9 (3,53%)
<b>Nutritional therapy used for cancer patients</b>		
Nutrition according to nutrition plan	2 (66,7%)	166 (65,1%)
Calculation of energy needs	2 (66,7%)	181 (71,0%)
Monitoring patients intake and use of oral supplements	3 (100%)	219 (85,9%)
None	-	7 (2,75%)
Other	-	12 (4,71%)
Missing	-	5 (1,96%)
<b>Nutritional therapy is not used due to</b>		
Lack of evidence	-	3 (1,18%)
Lack of experience	-	7 (2,75%)
No reimbursement	-	3 (1,18%)
Lack of dietitians	-	12 (4,71%)
Lack of other experts	-	3 (1,18%)
Other	-	5 (1,96%)
Missing	-	1 (0,39%)

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

#### Anthropometry/Body composition:

**Body weight**

Regularly	3 (100%)	175 (68,6%)
At chemotherapy	-	34 (13,3%)
When necessary	-	36 (14,1%)
Never	-	4 (1,57%)
Unknown	-	3 (1,18%)
Missing	-	3 (1,18%)

**Anthropometrics (circumference)**

Regularly	1 (33,3%)	33 (12,9%)
At chemotherapy	-	6 (2,35%)
When necessary	1 (33,3%)	95 (37,3%)
Never	1 (33,3%)	106 (41,6%)
Unknown	-	5 (1,96%)
Missing	-	10 (3,92%)

**BIA**

Regularly	-	8 (3,14%)
At chemotherapy	-	3 (1,18%)
When necessary	1 (33,3%)	68 (26,7%)
Never	2 (66,7%)	156 (61,2%)
Unknown	-	9 (3,53%)
Missing	-	11 (4,31%)

**CT SCAN**

Regularly	-	12 (4,71%)
At chemotherapy	-	2 (0,78%)
When necessary	-	71 (27,8%)
Never	3 (100%)	149 (58,4%)
Unknown	-	11 (4,31%)
Missing	-	10 (3,92%)

**DEXA**

Regularly	-	3 (1,18%)
At chemotherapy	-	2 (0,78%)
When necessary	-	44 (17,3%)
Never	3 (100%)	175 (68,6%)
Unknown	-	17 (6,67%)
Missing	-	14 (5,49%)

**Other (body composition)**

Regularly	-	5 (1,96%)
At chemotherapy	-	1 (0,39%)
When necessary	-	34 (13,3%)

Never	2 (66,7%)	84 (32,9%)
Unknown	-	39 (15,3%)
Missing	1 (33,3%)	92 (36,1%)

### Body function:

#### Handgrip

Regularly	-	12 (4,71%)
At chemotherapy	-	6 (2,35%)
When necessary	1 (33,3%)	77 (30,2%)
Never	2 (66,7%)	136 (53,3%)
Unknown	-	10 (3,92%)
Missing	-	14 (5,49%)

#### 6-minutes walking test

Regularly	-	7 (2,75%)
At chemotherapy	-	4 (1,57%)
When necessary	-	65 (25,5%)
Never	3 (100%)	149 (58,4%)
Unknown	-	12 (4,71%)
Missing	-	18 (7,06%)

#### Other (body function)

Regularly	-	11 (4,31%)
At chemotherapy	-	1 (0,39%)
When necessary	-	44 (17,3%)
Never	2 (66,7%)	99 (38,8%)
Unknown	-	36 (14,1%)
Missing	1 (33,3%)	64 (25,1%)

#### Nutritional requirements, calculated

Regularly	2 (66,7%)	78 (30,6%)
At chemotherapy	-	1 (0,39%)
When necessary	1 (33,3%)	127 (49,8%)
Never	-	14 (5,49%)
Unknown	-	3 (1,18%)
Missing	-	32 (12,5%)

#### Nutritional intake:

##### Every meal

Regularly	-	73 (28,6%)
At chemotherapy	-	2 (0,78%)
When necessary	2 (66,7%)	107 (42,0%)
Never	-	26 (10,2%)
Unknown	-	13 (5,10%)

Missing	1 (33,3%)	34 (13,3%)
<b>1 meal per day</b>		
Regularly	-	20 (7,84%)
At chemotherapy	-	2 (0,78%)
When necessary	1 (33,3%)	82 (32,2%)
Never	-	49 (19,2%)
Unknown	-	17 (6,67%)
Missing	2 (66,7%)	85 (33,3%)
<b>2 meals per day</b>		
Regularly	-	20 (7,84%)
At chemotherapy	-	-
When necessary	1 (33,3%)	80 (31,4%)
Never	-	51 (20,0%)
Unknown	-	16 (6,27%)
Missing	2 (66,7%)	88 (34,5%)
<b>24h recall</b>		
Regularly	1 (33,3%)	53 (20,8%)
At chemotherapy	-	6 (2,35%)
When necessary	1 (33,3%)	89 (34,9%)
Never	-	34 (13,3%)
Unknown	-	14 (5,49%)
Missing	1 (33,3%)	59 (23,1%)
<b>Other (nutritional intake)</b>		
Regularly	1 (33,3%)	6 (2,35%)
At chemotherapy	-	1 (0,39%)
When necessary	1 (33,3%)	38 (14,9%)
Never	-	49 (19,2%)
Unknown	-	37 (14,5%)
Missing	1 (33,3%)	124 (48,6%)
<b>Questionnaire completed by</b>		
Dietitian	3 (100%)	110 (43,1%)
Nurse	-	66 (25,9%)
Physician	-	59 (23,1%)
Nutritional scientist	-	14 (5,49%)
Other	-	1 (0,39%)
Missing	-	5 (1,96%)

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

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 2_onco:	21	2506
<b>Demographic data:</b>		
Age (years)	54 [19-81]	65 [18-96]
Female gender	8 (38,1%)	1093 (43,6%)
Weight (kg)	65,6 ± 17,0	66,5 ± 17,5
Height (cm)	165,8 ± 8,8	166,0 ± 10,1
BMI (kg/m <sup>2</sup> )	23,8 ± 5,6	24,0 ± 5,0
<b>Outpatient (o)/Ward (w)</b>		
Outpatient(o)	-	142 (5,67%)
Ward (w)	21 (100%)	2340 (93,4%)
Missing	-	24 (0,96%)
<b>Goal of Therapy</b>		
Curative	18 (85,7%)	1449 (57,8%)
Palliative	3 (14,3%)	849 (33,9%)
Terminal	-	122 (4,87%)
Missing	-	86 (3,43%)
<b>Reason for admission</b>		
Clinical diagnostics	5 (23,8%)	295 (11,8%)
Therapy	10 (47,6%)	1236 (49,3%)
Surgery related	-	492 (19,6%)
Treatment complications	5 (23,8%)	267 (10,7%)
Poor health status	1 (4,76%)	334 (13,3%)
Independent care difficult	-	22 (0,88%)
Missing	-	-
<b>Present cancer diagnosis</b>		
Breast	-	162 (6,46%)
Colon, rectum	1 (4,76%)	417 (16,6%)
Prostate	1 (4,76%)	65 (2,59%)
Lung	6 (28,6%)	237 (9,46%)
Skin	-	19 (0,76%)
Kidney/bladder	-	94 (3,75%)
Gastric/oesophageal	-	291 (11,6%)
Pancreas	-	123 (4,91%)
Lymphoma	5 (23,8%)	246 (9,82%)
Ears nose throat (ENT)	1 (4,76%)	109 (4,35%)
Leukaemia	2 (9,52%)	205 (8,18%)
Genital tract	-	107 (4,27%)

Liver	1 (4,76%)	189 (7,54%)
Sarcoma	-	27 (1,08%)
Brain	-	37 (1,48%)
Testicular	-	9 (0,36%)
Other	4 (19,0%)	229 (9,14%)
Missing	-	51 (2,04%)

#### Time since diagnosis

0-2 months	5 (23,8%)	811 (32,4%)
3-5 months	2 (9,52%)	426 (17,0%)
6-12 months	5 (23,8%)	398 (15,9%)
1-2 years	3 (14,3%)	333 (13,3%)
2-4 years	1 (4,76%)	214 (8,54%)
> 4 years	5 (23,8%)	208 (8,30%)
Missing	-	86 (3,43%)

#### Cancer staging

0=Carcinoma in situ	1 (4,76%)	103 (4,11%)
I=Localized	3 (14,3%)	503 (20,1%)
II=Early locally advanced	1 (4,76%)	487 (19,4%)
III=Late locally advanced	3 (14,3%)	370 (14,8%)
IV=Metastasised	6 (28,6%)	704 (28,1%)
Missing	7 (33,3%)	339 (13,5%)

#### Time since first therapy start

No therapy	1 (4,76%)	238 (9,50%)
Tumour staging/diagnosis	1 (4,76%)	221 (8,82%)
0-2 months	3 (14,3%)	747 (29,8%)
3-5 months	2 (9,52%)	342 (13,6%)
6-12 months	6 (28,6%)	360 (14,4%)
1-2 years	2 (9,52%)	265 (10,6%)
2-4 years	2 (9,52%)	166 (6,62%)
> 4 years	4 (19,0%)	191 (7,62%)
Missing	-	69 (2,75%)

#### Therapy situation

Diagnosis	2 (9,52%)	248 (9,90%)
Chemotherapy 1st line	3 (14,3%)	541 (21,6%)
Chemotherapy > 1st line	4 (19,0%)	420 (16,8%)
Radiotherapy	3 (14,3%)	229 (9,14%)
Target therapy	6 (28,6%)	77 (3,07%)
Hormone therapy	-	22 (0,88%)
Palliative	3 (14,3%)	249 (9,94%)
Surgery	-	681 (27,2%)

Cancer related complications	-	187 (7,46%)
Therapy related complications	-	101 (4,03%)
Missing	-	71 (2,83%)

### Infections

None	10 (47,6%)	1857 (74,1%)
Local	11 (52,4%)	352 (14,0%)
General	-	215 (8,58%)
Missing	-	82 (3,27%)

### Nutrition Treatment

No special diet	7 (33,3%)	1058 (42,2%)
Individualized diet plan	8 (38,1%)	709 (28,3%)
Energy rich/protein rich ONS	6 (28,6%)	443 (17,7%)
Enteral nutrition (via NGT/PEG)	1 (4,76%)	131 (5,23%)
Parenteral nutrition	-	279 (11,1%)
ONS enriched with special nutrients	-	72 (2,87%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	39 (1,56%)
Personal preferences	13 (61,9%)	208 (8,30%)
Counselling	-	237 (9,46%)
Other	-	129 (5,15%)
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:	21	2484
Body weight prior to becoming ill	72 [50-97]	70 [22-180]
Actual body weight	65 [40-100]	64 [21-175]
<b>Change in weight was</b>		
Intentional	2 (9,52%)	99 (3,95%)
Unintentional	12 (57,1%)	1609 (64,2%)
Weight is stable	5 (23,8%)	389 (15,5%)
Missing	1 (4,76%)	84 (3,35%)
<b>During the last week</b>		
<b>Patients who have had pain:</b>		
Not at all	7 (33,3%)	828 (33,0%)
A little	11 (52,4%)	711 (28,4%)
Quite a bit	1 (4,76%)	469 (18,7%)
Very much	2 (9,52%)	265 (10,6%)
Missing	-	198 (7,90%)
<b>Patients who needed a rest:</b>		
Not at all	2 (9,52%)	560 (22,3%)
A little	10 (47,6%)	694 (27,7%)
Quite a bit	5 (23,8%)	606 (24,2%)
Very much	4 (19,0%)	394 (15,7%)
Missing	-	212 (8,46%)
<b>Patients who felt weak:</b>		
Not at all	5 (23,8%)	543 (21,7%)
A little	8 (38,1%)	715 (28,5%)
Quite a bit	5 (23,8%)	605 (24,1%)
Very much	3 (14,3%)	407 (16,2%)
Missing	-	203 (8,10%)
<b>Patients who felt depressed:</b>		
Not at all	9 (42,9%)	900 (35,9%)
A little	7 (33,3%)	776 (31,0%)
Quite a bit	3 (14,3%)	359 (14,3%)
Very much	2 (9,52%)	208 (8,30%)
Missing	-	207 (8,26%)
<b>Patients who were tired:</b>		

Not at all	3 (14,3%)	558 (22,3%)
A little	8 (38,1%)	769 (30,7%)
Quite a bit	6 (28,6%)	563 (22,5%)
Very much	4 (19,0%)	376 (15,0%)
Missing	-	204 (8,14%)

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

Not at all	10 (47,6%)	953 (38,0%)
A little	6 (28,6%)	567 (22,6%)
Quite a bit	3 (14,3%)	418 (16,7%)
Very much	2 (9,52%)	300 (12,0%)
Missing	-	221 (8,82%)

#### Patients who lacked appetite:

Not at all	7 (33,3%)	881 (35,2%)
A little	5 (23,8%)	617 (24,6%)
Quite a bit	4 (19,0%)	431 (17,2%)
Very much	5 (23,8%)	322 (12,8%)
Missing	-	218 (8,70%)

#### Just now

##### Patients who have pain:

Not at all	11 (52,4%)	993 (39,6%)
A little	8 (38,1%)	814 (32,5%)
Quite a bit	2 (9,52%)	359 (14,3%)
Very much	-	106 (4,23%)
Missing	-	205 (8,18%)

##### Patients who need a rest:

Not at all	4 (19,0%)	513 (20,5%)
A little	8 (38,1%)	832 (33,2%)
Quite a bit	6 (28,6%)	605 (24,1%)
Very much	3 (14,3%)	307 (12,3%)
Missing	-	210 (8,38%)

##### Patients who feel weak:

Not at all	5 (23,8%)	562 (22,4%)
A little	8 (38,1%)	807 (32,2%)
Quite a bit	5 (23,8%)	594 (23,7%)
Very much	3 (14,3%)	296 (11,8%)
Missing	-	210 (8,38%)

##### Patients who are depressed:

Not at all	10 (47,6%)	1027 (41,0%)
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A little	7 (33,3%)	763 (30,4%)
Quite a bit	3 (14,3%)	321 (12,8%)
Very much	1 (4,76%)	140 (5,59%)
Missing	-	209 (8,34%)

#### Patients who are tired:

Not at all	6 (28,6%)	606 (24,2%)
A little	7 (33,3%)	871 (34,8%)
Quite a bit	5 (23,8%)	496 (19,8%)
Very much	3 (14,3%)	280 (11,2%)
Missing	-	215 (8,58%)

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

Not at all	12 (57,1%)	961 (38,3%)
A little	5 (23,8%)	631 (25,2%)
Quite a bit	2 (9,52%)	418 (16,7%)
Very much	2 (9,52%)	233 (9,30%)
Missing	-	221 (8,82%)

#### Patients who lack appetite:

Not at all	12 (57,1%)	907 (36,2%)
A little	2 (9,52%)	637 (25,4%)
Quite a bit	4 (19,0%)	430 (17,2%)
Very much	3 (14,3%)	278 (11,1%)
Missing	-	217 (8,66%)

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

Nausea/Vomiting	4 (19,0%)	434 (17,3%)
Inflammation in mouth	-	145 (5,79%)
Pain	2 (9,52%)	332 (13,2%)
Constipation	-	197 (7,86%)
Diarrhea	4 (19,0%)	129 (5,15%)
Change in taste/smell	3 (14,3%)	326 (13,0%)
Early satiation/Loss of appetite	4 (19,0%)	604 (24,1%)
Other	1 (4,76%)	427 (17,0%)
Missing	2 (9,52%)	93 (3,71%)

#### Maximum activity performed by patients

Able to do sports	-	96 (3,83%)
Fully active	1 (4,76%)	356 (14,2%)
Able to carry out light activities	5 (23,8%)	508 (20,3%)
Able to carry out self care	1 (4,76%)	623 (24,9%)
Able to carry out limited self care	6 (28,6%)	371 (14,8%)
Confined to bed or chair	7 (33,3%)	333 (13,3%)

Missing	1 (4,76%)	196 (7,82%)
<b>Patient takes additional (without prescription)</b>		
Nothing	18 (85,7%)	1595 (63,6%)
Herbal tea	-	237 (9,46%)
Nutritional supplements	1 (4,76%)	214 (8,54%)
Multivitamin	1 (4,76%)	81 (3,23%)
Other medication	1 (4,76%)	92 (3,67%)
Other	-	127 (5,07%)
Missing	-	253 (10,1%)
<b>Additional activities performed</b>		
Nothing	19 (90,5%)	1750 (69,8%)
Psychotherapy	1 (4,76%)	53 (2,11%)
Yoga	-	25 (1,00%)
Meditation	-	103 (4,11%)
Progressive muscle relaxation	1 (4,76%)	40 (1,60%)
Qigong	1 (4,76%)	8 (0,32%)
Other	-	261 (10,4%)
Missing	-	300 (12,0%)
Patients having difficulties in complying with treatment	8 (38,1%)	542 (21,6%)
Patients needing help to complete questionnaire	19 (90,5%)	1313 (52,4%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	13 (61,9%)	1505 (60,1%)