



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:	9
Number of participated units:	24
Number of patients who gave consent:	721
Number of patients completing Sheet 3a:	685
Number of patients completing Sheet 3b:	684
Number of cancer patients:	156
Number of patients completing Sheet 2_onco:	138
Number of patients completing Sheet 3_onco:	137
Number of patients with 30-day outcome assessment:	516

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>	451 [423-614]	317 [188-615]
<b>2. Total number of admissions in the hospital last year</b>	19308 [114471-143734]	17520 [8982-34767]
<b>3. Total number of staff in the hospital</b>		
Total medical doctors	90 [68-174]	170 [78-396]
Medical specialists	140 [103-177]	117 [54-244]
Medical non-specialists	26 [21-49]	35 [11-82]
Nurses	407 [357-547]	418 [195-800]
Dieticians	11 [5-13]	5 [2-9]
Nutritionists	0 [0-2]	1 [0-4]
Pharmacists	35 [26-46]	7 [4-22]
Kitchen staff	1 [1-8]	30 [14-55]
<b>Full time equivalent</b>		
Total medical doctors	-	139 [60-368]
Medical specialists	-	98 [48-245]
Medical non-specialists	-	34 [11-87]
Nurses	-	350 [187-778]
Dieticians	-	4 [2-8]
Nutritionists	-	1 [0-3]
Pharmacists	-	6 [3-18]
Kitchen staff	-	27 [14-50]
<b>4. Does the hospital have a nutrition care strategy?</b>	3 (60.0%) Yes	351 (78.7%) Yes
<b>5. Which nutrition-related standards or routine activities exist in your hospital?</b>		
Nutrition training is available	1 (20.0%) Yes	298 (66.8%) Yes
Nutrition steering committee is available	5 (100%) 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	2 (40.0%) Yes	235 (52.7%) Yes
Patient feedback about food and food service is collected using a questionnaire	5 (100%) Yes	337 (75.6%) Yes
None	-	19 (4.3%) 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	5 (100%) Yes	216 (48.4%) Yes
Oral nutrition supplements	1 (20.0%) Yes	165 (37.0%) Yes

Parenteral nutrition	3 (60.0%) Yes	255 (57.2%) Yes
Enteral nutrition	2 (40.0%) Yes	224 (50.2%) Yes
Dietary counseling	2 (40.0%) Yes	166 (37.2%) Yes
Specific dietary interventions	1 (20.0%) Yes	119 (26.7%) Yes
Screening for malnutrition	1 (20.0%) Yes	119 (26.7%) Yes
Risk of malnutrition	1 (20.0%) Yes	103 (23.1%) Yes
Malnutrition (in general)	1 (20.0%) Yes	203 (45.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	1 (20.0%) Yes	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	5 (100%) Yes	188 (42.2%) Yes
Oral nutrition supplements	1 (20.0%) Yes	143 (32.1%) Yes
Parenteral nutrition	3 (60.0%) Yes	233 (52.2%) Yes
Enteral nutrition	2 (40.0%) Yes	205 (46.0%) Yes
Dietary counseling	2 (40.0%) Yes	140 (31.4%) Yes
Specific dietary interventions	1 (20.0%) Yes	105 (23.5%) Yes
Screening for malnutrition	1 (20.0%) Yes	95 (21.3%) Yes
Risk of malnutrition	1 (20.0%) Yes	80 (17.9%) Yes
Malnutrition (in general)	1 (20.0%) Yes	176 (39.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	1 (20.0%) Yes	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	5 (20.8%)	19.3%
Internal Medicine / Cardiology	1 (4.2%)	4.5%
Internal Medicine / Gastroenterology & hepatology	3 (12.5%)	6.3%
Internal Medicine / Geriatrics	-	7.9%
Internal Medicine / Infectious diseases	-	0.5%
Internal Medicine / Nephrology	-	1.3%
Internal Medicine / Oncology (incl. radiotherapy)	-	7.2%
Interdisciplinary	-	3.3%
Long term care	-	2.0%
Neurology	-	3.6%
Surgery / General	3 (12.5%)	13.5%
Surgery/ Cardiac/Vascular/Thoracic	-	2.1%
Surgery / Neurosurgery	-	1.0%
Surgery / Orthopedic	2 (8.3%)	4.2%
Trauma	-	1.4%
Ear Nose Throat (ENT)	-	1.8%
Gynecology / Obstetrics	-	1.6%
Pediatrics	-	1.3%
Psychiatry	-	0.9%
Others	10 (41.7%)	16.1%
<b>2. Number of registered inpatients at noon</b>	29 [20-45]	24 [18-31]
<b>3. Total bed capacity of the unit</b>	45 [25-48]	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	10 [6-20]	3 [2-7]
Nurses	13 [11-20]	5 [3-8]
Nursing aides	3 [2-3]	2 [1-3]
Dieticians	1 [1-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [1-1]	1 [0-1]
Other staff involved in patient care	1 [0-1]	1 [0-2]
<b>In training</b>		
Medical doctors	2 [0-2]	1 [0-3]
Medical students	0 [0-0]	0 [0-2]
Nurses	0 [0-0]	1 [0-3]

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

**5. Is there a nutrition support team in your hospital available?** 14 (100%) Yes 705 (76.4%) Yes

**6. Does the unit have a nutrition care strategy?** 13 (92.9%) Yes 678 (73.5%) Yes

**7. Is there a person in your unit responsible for nutrition care?** 13 (92.9%) Yes 644 (69.8%) Yes

**8. Is there a dietician, nutritionist or dietetic assistant available for your unit?** 14 (100%) Yes 831 (90.0%) Yes

**9. Is specific staff responsible for providing feeding assistance to patients during meal times?** 14 (100%) Yes 575 (62.3%) Yes

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

**At admission**

No routine screening	2 (8.3%) Yes	85 (8.8%) Yes
No fixed criteria	-	14 (1.4%) Yes
Experience / visual assessment only	-	77 (7.9%) Yes
Weighing / BMI only	-	141 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	-	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	12 (50.0%) Yes	148 (15.3%) Yes
I do not know	-	9 (0.93%) Yes
Missing	10 (41.7%)	47 (4.8%)

**During hospital stay**

No routine monitoring	-	88 (9.1%) Yes
No fixed criteria	2 (8.3%) Yes	77 (7.9%) Yes
Experience / visual assessment only	-	174 (17.9%) Yes
Weighing / BMI only	-	313 (32.3%) Yes
Other formal tool	12 (50.0%) Yes	251 (25.9%) Yes
I do not know	-	20 (2.1%) Yes
Missing	10 (41.7%)	47 (4.8%)

**11a. Do you routinely use guidelines or standards for nutrition care?** 11 (78.6%) Yes 724 (80.0%) Yes

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

International guidelines	-	186 (25.7%) Yes
National guidelines	4 (36.4%) Yes	105 (14.5%) Yes
Standards on hospital level	4 (36.4%) Yes	249 (34.4%) Yes
Standards on unit level	2 (18.2%) Yes	51 (7.0%) Yes
Individual patient nutrition care plans	1 (9.1%) Yes	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	8 (33.3%) Yes	281 (29.0%) Yes
Discuss nutrition care activities during ward rounds	9 (37.5%) Yes	430 (44.3%) Yes
Develop an individual nutrition care plan	5 (20.8%) Yes	509 (52.5%) Yes
Initiate treatment / nutrition intervention	9 (37.5%) Yes	582 (60.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	9 (37.5%) Yes	592 (61.0%) Yes
Consult a medical professional	7 (29.2%) Yes	383 (39.5%) Yes
Calculate energy requirements	7 (29.2%) Yes	479 (49.4%) Yes
Calculate protein requirements	7 (29.2%) Yes	466 (48.0%) Yes

**Malnourished**

Watchful waiting	5 (20.8%) Yes	196 (20.2%) Yes
Discuss nutrition care activities during ward rounds	14 (58.3%) Yes	462 (47.6%) Yes
Develop an individual nutrition care plan	10 (41.7%) Yes	541 (55.8%) Yes
Initiate treatment / nutrition intervention	9 (37.5%) Yes	624 (64.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	9 (37.5%) Yes	581 (59.9%) Yes
Consult a medical professional	12 (50.0%) Yes	411 (42.4%) Yes
Calculate energy requirements	8 (33.3%) Yes	537 (55.4%) Yes
Calculate protein requirements	8 (33.3%) Yes	522 (53.8%) Yes

**Every patient**

Watchful waiting	6 (25.0%) Yes	483 (49.8%) Yes
Discuss nutrition care activities during ward rounds	-	258 (26.6%) Yes
Develop an individual nutrition care plan	3 (12.5%) Yes	184 (19.0%) Yes
Initiate treatment / nutrition intervention	2 (8.3%) Yes	135 (13.9%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	3 (12.5%) Yes	185 (19.1%) Yes
Consult a medical professional	-	209 (21.5%) Yes
Calculate energy requirements	6 (25.0%) Yes	123 (12.7%) Yes
Calculate protein requirements	5 (20.8%) Yes	113 (11.6%) Yes

**Never**

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

Develop an individual nutrition care plan	1 (4.2%) Yes	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	-	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	-	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	-	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	13 (54.2%) Yes	625 (64.4%) Yes
Within 24 hours	1 (4.2%) Yes	142 (14.6%) Yes
Within 48 hours	-	54 (5.6%) Yes
Within 72 hours	-	27 (2.8%) Yes
Every week	8 (33.3%) Yes	393 (40.5%) Yes
Occasionally	3 (12.5%) Yes	109 (11.2%) Yes
When requested	8 (33.3%) Yes	483 (49.8%) Yes
At discharge	1 (4.2%) Yes	52 (5.4%) Yes
Never	-	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	14 (58.3%) Yes	730 (75.3%) Yes
Offer meal choices	12 (50.0%) Yes	711 (73.3%) Yes
Offer different portion sizes	12 (50.0%) Yes	635 (65.5%) Yes
Consider food presentation	5 (20.8%) Yes	356 (36.7%) Yes
Change food texture/consistency as needed	13 (54.2%) Yes	797 (82.2%) Yes
Consider patient problems with eating and drinking	9 (37.5%) Yes	793 (81.8%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	6 (25.0%) Yes	218 (22.5%) Yes
Promote positive eating environment	9 (37.5%) Yes	281 (29.0%) Yes
Consider cultural/religious preferences	11 (45.8%) Yes	559 (57.6%) Yes
Consider patient allergies / intolerances	11 (45.8%) Yes	650 (67.0%) Yes
Other	1 (4.2%) Yes	74 (7.6%) Yes
I do not know	-	19 (2.0%) Yes
No answer given	10 (41.7%)	48 (4.9%)

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

Nutrition training is available	7 (29.2%) Yes	558 (57.5%) Yes
Reporting of nutrition related information to hospital managers	4 (16.7%) Yes	408 (42.1%) Yes
Quality indicators are recorded and reported to national or regional level	2 (8.3%) Yes	302 (31.1%) Yes
Quality indicators are used for internal benchmarking	8 (33.3%) Yes	358 (36.9%) Yes
Patient feedback about food and food service is collected using a questionnaire	11 (45.8%) Yes	625 (64.4%) Yes
None	-	32 (3.3%) Yes
I do not know	-	38 (3.9%) Yes
No answer given	10 (41.7%)	68 (7.0%)

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

Change in weight	12 (50.0%) Yes	775 (79.9%) Yes
Eating habits/difficulties	13 (54.2%) Yes	746 (76.9%) Yes
Nutrition before admission	11 (45.8%) Yes	592 (61.0%) Yes
None	-	15 (1.5%) Yes
I do not know	-	20 (2.1%) Yes
No answer given	10 (41.7%)	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	11 (45.8%) Yes	708 (73.0%) Yes
nutrition treatment	10 (41.7%) Yes	582 (60.0%) Yes
None	-	54 (5.6%) Yes
I do not know	2 (8.3%) Yes	26 (2.7%) Yes

#### b. Discharge Letter ...

summarizes nutrition treatment received during stay	11 (45.8%) Yes	407 (42.0%) Yes
makes future nutrition-related recommendations	8 (33.3%) Yes	572 (59.0%) Yes
None	-	110 (11.3%) Yes
I do not know	3 (12.5%) Yes	69 (7.1%) Yes

<b>18. Do you provide brochures about malnutrition to at risk/malnourished patients?</b>	10 (71.4%) Yes	356 (44.8%) Yes
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### 19. Who filled in this sheet?

Head staff	-	281 (29.0%) Yes
Dietician	7 (29.2%) Yes	517 (53.3%) Yes
Nurse	9 (37.5%) Yes	279 (28.8%) Yes
Physician	-	128 (13.2%) Yes
Administrative staff	-	8 (0.82%) Yes



Other	1 (4.2%) Yes	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	721	17827
Age	71 [59-81]	67 [53-78]
Female	326 (45.2%)	8951 (50.2%)
Weight	57.8±15.0	70.1±19.2
Height	159±10	165±10
BMI	22.6±4.8	25.5±6.0

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

planned	386 (53.5%)	6798 (38.1%)
an emergency	318 (44.1%)	9562 (53.6%)
I do not know	17 (2.4%)	1467 (8.2%)
No answer given	-	-

#### 2a. Diagnosis at admission

0100 Infectious and parasitic diseases	41 (5.7%)	1555 (8.7%)
0200 Neoplasms	187 (25.9%)	3133 (17.6%)
0300 Blood and bloodforming organs and the immune mechanism	24 (3.3%)	1159 (6.5%)
0400 Endocrine, nutritional and metabolic diseases	62 (8.6%)	2190 (12.3%)
0500 Mental health	8 (1.1%)	851 (4.8%)
0600 Nervous system	57 (7.9%)	1636 (9.2%)
0700 Eye and adnexa	32 (4.4%)	236 (1.3%)
0800 Ear and mastoid process	6 (0.83%)	127 (0.71%)
0900 Circulatory system	75 (10.4%)	3801 (21.3%)
1000 Respiratory system	70 (9.7%)	2810 (15.8%)
1100 Digestive system	213 (29.5%)	4343 (24.4%)
1200 Skin and subcutaneous tissue	31 (4.3%)	786 (4.4%)
1300 Musculoskeletal system and connective tissue	113 (15.7%)	2703 (15.2%)
1400 Genitourinary system	47 (6.5%)	1776 (10.0%)
1500 Pregnancy, childbirth and the puerperium	10 (1.4%)	198 (1.1%)
1600 Conditions originating in the perinatal period	1 (0.14%)	25 (0.14%)
1700 Congenital/chromosomal abnormalities	-	31 (0.17%)
1800 Symptoms, signs, abnormal clinical/lab findings	3 (0.42%)	816 (4.6%)
1900 Injury, poisoning	13 (1.8%)	512 (2.9%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	1 (0.14%)	379 (2.1%)
2100 Factors influencing health status and contact with health services	2 (0.28%)	619 (3.5%)
No answer given	-	-

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

Cardiac insufficiency	68 (9.4%)	3518 (22.5%)
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Myocardial infarction	20 (2.8%)	823 (5.4%)
Chronic lung disease	43 (6.0%)	2299 (14.8%)
Cerebral vascular disease	69 (9.6%)	1523 (9.9%)
Peripheral vascular disease	39 (5.5%)	1931 (12.6%)
Chronic liver disease	33 (4.6%)	992 (6.5%)
Chronic kidney disease	50 (7.0%)	1734 (11.3%)
Diabetes	155 (21.6%)	3888 (24.9%)
Cancer	156 (21.7%)	3763 (24.2%)
Infection	35 (4.9%)	2245 (14.5%)
Dementia	29 (4.1%)	798 (5.2%)
Major depressive disorder	13 (1.8%)	853 (5.6%)
Other chronic mental disorder	25 (3.5%)	815 (5.4%)
Other chronic disease	143 (20.0%)	4031 (25.9%)
None	220 (30.5%)	3008 (16.9%)

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

Yes, planned	189 (26.2%)	3584 (20.1%)
Yes, acute	26 (3.6%)	1077 (6.0%)
No	428 (59.4%)	12545 (70.4%)
I do not know	1 (0.14%)	230 (1.3%)
Missing	77 (10.7%)	391 (2.2%)

Days since operation	6 [2-12]	3 [1-11]
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#### 4b. Planned operation during this hospital stay

Yes, today or tomorrow	57 (7.9%)	1266 (7.1%)
Yes, later	32 (4.4%)	953 (5.3%)
No	536 (74.3%)	13798 (77.4%)
I do not know	5 (0.69%)	833 (4.7%)
Missing	91 (12.6%)	977 (5.5%)

#### 5. Previous ICU admission during this hospital stay? (Yes)

39 (6.0%)	1781 (10.0%)
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#### 6. Is this patient terminally ill?

22 (3.1%)	1122 (6.3%)
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#### 7. Fluid status

Normal	486 (67.4%)	13668 (76.7%)
Overloaded	20 (2.8%)	1008 (5.7%)
Dehydrated	17 (2.4%)	878 (4.9%)
I do not know	198 (27.5%)	2273 (12.8%)
Missing	-	-

#### 8. Number of different medications planned

Oral	5 [2-8]	5 [2-8]
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Other	0 [0-1]	2 [1-4]
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### 9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	72 (10.0%)	2050 (11.5%)
At risk	199 (27.6%)	3162 (17.7%)
No	433 (60.1%)	11117 (62.4%)
I do not know	17 (2.4%)	1498 (8.4%)
Missing	-	-

### 10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	177 (24.5%)	6470 (36.3%)
5% Glucose solution	6 (0.83%)	1853 (10.4%)

### 11. Number of ONS drinks planned

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

Regular hospital food	449 (62.3%)	10454 (58.6%)
Fortified/enriched hospital food	8 (1.1%)	1962 (11.0%)
Protein/energy supplement (e.g. ONS drinks)	38 (5.3%)	2469 (13.8%)
Enteral nutrition	5 (0.69%)	882 (4.9%)
Parenteral nutrition	83 (11.5%)	929 (5.2%)
Special diet	237 (32.9%)	5732 (32.2%)
None	14 (1.9%)	895 (5.0%)

### 13a. All lines and Tubes

Central Venous	15 (2.3%)	1535 (8.6%)
Peripheral venous access	221 (34.1%)	8238 (46.2%)
Nasogastric	1 (0.15%)	462 (2.6%)
Nasojejunal	1 (0.15%)	79 (0.44%)
Nasoduodenal	-	67 (0.38%)
Enterostoma	3 (0.46%)	82 (0.46%)
Percutaneous endoscopy/surgical gastrostomy	3 (0.46%)	137 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	1 (0.15%)	63 (0.35%)
None	483 (67.0%)	8032 (45.1%)

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

Yes, previously	4 (0.55%)	247 (1.4%)
Yes, ongoing	2 (0.28%)	173 (0.97%)
No	532 (73.8%)	14548 (81.6%)
I do not know	37 (5.1%)	1646 (9.2%)
Missing	146 (20.2%)	1213 (6.8%)

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

Energy requirements were determined	322 (49.7%)	6273 (35.2%)
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Protein requirements were determined	311 (48.0%)	5516 (30.9%)
Food/Nutrition intake was recorded in the patient record	240 (37.0%)	7653 (42.9%)
Nutrition treatment plan was developed	228 (35.2%)	6036 (33.9%)
Nutrition expert was consulted	100 (15.4%)	6237 (35.0%)
Malnutrition status is recorded in the patient record	110 (17.0%)	5297 (29.7%)
None	-	-

### 15a. Energy goal

< 500 kcal	67 (9.3%)	749 (4.2%)
500-999 kcal	16 (2.2%)	194 (1.1%)
1000-1499 kcal	168 (23.3%)	1695 (9.5%)
1500-1999 kcal	288 (39.9%)	5578 (31.3%)
>=2000 kcal	43 (6.0%)	1992 (11.2%)
Not determined	33 (4.6%)	6066 (34.0%)
I do not know	33 (4.6%)	1515 (8.5%)
Missing	73 (10.1%)	38 (0.21%)

### 15b. Energy intake

< 500 kcal	90 (12.5%)	1264 (7.1%)
500-999 kcal	75 (10.4%)	900 (5.0%)
1000-1499 kcal	173 (24.0%)	2387 (13.4%)
1500-1999 kcal	243 (33.7%)	3954 (22.2%)
>=2000 kcal	19 (2.6%)	1047 (5.9%)
Not determined	5 (0.69%)	6021 (33.8%)
I do not know	43 (6.0%)	2199 (12.3%)
Missing	73 (10.1%)	55 (0.31%)

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

Improved	232 (32.2%)	8831 (49.5%)
Deteriorated	19 (2.6%)	1039 (5.8%)
Remained the same	314 (43.6%)	4935 (27.7%)
This patient has just been admitted	55 (7.6%)	1248 (7.0%)
I do not know	28 (3.9%)	1774 (10.0%)
Missing	73 (10.1%)	-

Length of hospital stay (days)	18 [10-32]	12 [6-24]
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### Outcome Code

1= Still in the hospital	73 (10.1%)	1702 (9.5%)
2= Transferred to another hospital	15 (2.1%)	419 (2.4%)
3= Transferred to long term care	12 (1.7%)	780 (4.4%)
4= Rehabilitation	10 (1.4%)	785 (4.4%)
5= Discharged home	394 (54.6%)	13163 (73.8%)
6= Death	10 (1.4%)	535 (3.0%)

7= Others	2 (0.28%)	310 (1.7%)
Missing	205 (28.4%)	133 (0.75%)
Readmitted since ND		
1= No	376 (85.3%)	11846 (75.5%)
2= Yes, same hospital planned	38 (8.6%)	1043 (6.7%)
3= Yes, same hospital unplanned	13 (2.9%)	889 (5.7%)
4= Yes, different hospital planned	2 (0.45%)	68 (0.43%)
5= Yes, different hospital unplanned	2 (0.45%)	68 (0.43%)
6= Unknown	5 (1.1%)	646 (4.1%)
Missing	3 (0.68%)	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	454 (66.3%)	12235 (71.0%)
I am vegetarian	18 (2.6%)	370 (2.1%)
I adhere to a vegan diet	28 (4.1%)	132 (0.77%)
I eat gluten-free diet	5 (0.73%)	156 (0.91%)
I avoid added sugars	57 (8.3%)	2604 (15.1%)
I avoid carbohydrates	35 (5.1%)	1038 (6.0%)
I eat a low fat-diet	51 (7.4%)	1930 (11.2%)
I am lactose intolerant	10 (1.5%)	572 (3.3%)
Other special diet due to intolerances/allergies	18 (2.6%)	323 (1.9%)
Other	22 (3.2%)	1219 (7.1%)
No answer given	142 (20.7%)	337 (2.0%)
<b>2. Where did you live before your current hospital admission?</b>		
At home	530 (77.4%)	15276 (88.7%)
In a nursing home or other live-in facility	9 (1.3%)	609 (3.5%)
I was transferred from another hospital	11 (1.6%)	883 (5.1%)
Other	9 (1.3%)	268 (1.6%)
Missing	126 (18.4%)	185 (1.1%)
<b>3. In general, are you able to walk?</b>		
Yes	458 (66.9%)	11104 (64.5%)
Yes, with someone's help	27 (3.9%)	1762 (10.2%)
Yes, independently using a cane, walker, or crutches	65 (9.5%)	2412 (14.0%)
No, I have a wheelchair	44 (6.4%)	712 (4.1%)
No, I am bedridden	12 (1.8%)	988 (5.7%)
Missing	79 (11.5%)	243 (1.4%)
<b>4. In general, how would you say your health is?</b>		
Very good	37 (5.4%)	1252 (7.3%)
Good	147 (21.5%)	6191 (36.0%)
Fair	258 (37.7%)	6489 (37.7%)
Poor	131 (19.1%)	2490 (14.5%)
Very poor	31 (4.5%)	558 (3.2%)
Missing	81 (11.8%)	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?	7 [3-12]	5 [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?	4 [0-18]	5 [0-15]

<b>6. How many different medications do you take routinely each day (prior to hospitalisation)?</b>		
1-2	107 (15.6%)	3323 (19.3%)
3-5	142 (20.7%)	4698 (27.3%)
More than 5	181 (26.4%)	5507 (32.0%)
None	87 (12.7%)	2633 (15.3%)
I do not know	31 (4.5%)	778 (4.5%)
Missing	137 (20.0%)	282 (1.6%)

<b>7. Do you have health insurance?</b>		
Yes, private insurance only	27 (3.9%)	2738 (15.9%)
Yes, public insurance only	257 (37.5%)	8466 (49.2%)
Yes, both	233 (34.0%)	2117 (12.3%)
None	18 (2.6%)	2268 (13.2%)
I prefer not to answer	19 (2.8%)	1018 (5.9%)
Missing	131 (19.1%)	614 (3.6%)

<b>8. What was your weight 5 years ago?</b>		
	60 [52-70]	72 [60-85]
I do not know	144 (21.0%)	4280 (24.9%)

<b>9a. Have you lost weight within the last 3 months?</b>		
Yes, intentionally	95 (13.9%)	1639 (9.5%)
Yes, unintentionally	214 (31.2%)	6488 (37.7%)
No, my weight stayed the same	242 (35.3%)	5108 (29.7%)
No, I gained weight	77 (11.2%)	1894 (11.0%)
I do not know	49 (7.2%)	1680 (9.8%)
Missing	8 (1.2%)	412 (2.4%)

<b>9b. If yes, how many kg did you lose?</b>		
	4 [3-7]	6 [4-10]
I do not know	37 (12.0%)	1267 (15.6%)

<b>10. Did you know about your hospitalisation two days before admission? (Yes)</b>		
	306 (56.1%)	6721 (41.1%)

<b>11. Please indicate if you ...</b>		
... were weighed at admission	435 (78.2%)	9728 (57.2%)
... were informed about your nutrition status	206 (37.2%)	5774 (34.3%)
... were informed about nutrition care options	91 (16.4%)	5459 (32.5%)
... received special nutrition care	51 (9.2%)	5054 (30.1%)

<b>12. How well have you eaten in the week before you were admitted to the hospital?</b>		
More than normal	43 (6.3%)	762 (4.5%)
Normal	452 (66.1%)	10449 (61.1%)
About 3/4 of normal	66 (9.6%)	1762 (10.3%)
About half of normal	59 (8.6%)	2122 (12.4%)



About a quarter to nearly nothing	48 (7.0%)	1571 (9.2%)
I do not know	3 (0.44%)	153 (0.89%)
Missing	13 (1.9%)	286 (1.7%)

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

Very satisfied	86 (12.6%)	4212 (24.6%)
Somewhat satisfied	80 (11.7%)	5626 (32.9%)
Neutral	217 (31.7%)	3361 (19.6%)
Dissatisfied	74 (10.8%)	1441 (8.4%)
Very dissatisfied	16 (2.3%)	491 (2.9%)
I do not know	47 (6.9%)	1415 (8.3%)
Missing	164 (24.0%)	559 (3.3%)

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

Yes, from family or friends	20 (2.9%)	1651 (9.7%)
Yes, from hospital staff	21 (3.1%)	1185 (6.9%)
No	495 (72.4%)	13278 (77.6%)
I do not know	6 (0.88%)	218 (1.3%)
Missing	142 (20.8%)	773 (4.5%)

<b>15. Were you able to eat without interruption TODAY? (Yes)</b>	443 (84.2%)	11891 (74.2%)
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### 16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	453 (66.2%)	7871 (46.0%)
1/2	113 (16.5%)	4261 (24.9%)
1/4	52 (7.6%)	2226 (13.0%)
Nothing	45 (6.6%)	1992 (11.6%)
Missing	21 (3.1%)	755 (4.4%)

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

Standard	326 (47.7%)	11000 (64.3%)
Smaller	79 (11.5%)	1600 (9.4%)
Larger	42 (6.1%)	763 (4.5%)
I do not know	70 (10.2%)	1701 (9.9%)
Missing	167 (24.4%)	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	32 (15.2%)	1293 (15.2%)
I did not like the smell/taste of the food	37 (17.6%)	996 (11.7%)
The food did not fit my cultural/religious preferences	1 (0.48%)	90 (1.1%)
The food was too hot	2 (0.95%)	38 (0.45%)
The food was too cold	7 (3.3%)	207 (2.4%)
Due to food allergy/intolerance	1 (0.48%)	53 (0.63%)
I was not hungry at that time	31 (14.8%)	1520 (17.9%)

I do not have my usual appetite	63 (30.0%)	2475 (29.2%)
I have problems chewing/swallowing	11 (5.2%)	478 (5.6%)
I normally eat less than what was served	22 (10.5%)	969 (11.4%)
I had nausea/vomiting	17 (8.1%)	637 (7.5%)
I was too tired	9 (4.3%)	506 (6.0%)
I cannot eat without help	8 (3.8%)	141 (1.7%)
I was not allowed to eat	24 (11.4%)	869 (10.2%)
I had an exam, surgery, or test and missed my meal	16 (7.6%)	469 (5.5%)
I did not get requested food	-	93 (1.1%)
No answer given	22 (10.5%)	1161 (13.7%)

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

Water	2 [1-4]	3 [2-5]
Tea	2 [1-3]	1 [1-3]
Coffee	0 [0-1]	1 [1-2]
Milk	1 [0-1]	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]

**19a. Did you eat any food apart from hospital food TODAY?** 145 (24.7%) 4518 (28.8%)

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

Sweet snacks	62 (42.8%)	1302 (28.8%)
Salty snacks	12 (8.3%)	512 (11.3%)
Homemade food	9 (6.2%)	703 (15.6%)
Fruits	39 (26.9%)	1730 (38.3%)
Dairy products	31 (21.4%)	471 (10.4%)
Food delivered/restaurant	1 (0.69%)	191 (4.2%)
Sandwich	12 (8.3%)	282 (6.2%)
Other	29 (20.0%)	724 (16.0%)

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

Increased	48 (7.0%)	2508 (14.7%)
Decreased	137 (20.0%)	5344 (31.2%)
Stayed the same	305 (44.6%)	7154 (41.8%)
I do not know	82 (12.0%)	1188 (6.9%)
Missing	112 (16.4%)	911 (5.3%)

### 21. TODAY I feel...

Stronger than at admission	217 (31.7%)	7275 (42.5%)
Weaker than at admission	68 (9.9%)	3158 (18.5%)
Same as at admission	206 (30.1%)	4825 (28.2%)

I was admitted today	26 (3.8%)	465 (2.7%)
I do not know	99 (14.5%)	926 (5.4%)
Missing	68 (9.9%)	456 (2.7%)

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

Yes	437 (63.9%)	10229 (59.8%)
No, only with assistance	137 (20.0%)	4164 (24.3%)
No, I stay in bed	41 (6.0%)	1821 (10.6%)
Missing	69 (10.1%)	891 (5.2%)

<b>23. Did anyone help you complete this questionnaire?</b>	190 (32.2%)	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:	12	255
Computerized system in hospital:	12 units (100%) YES	243 units (95%) YES
Nutritional treatment of cancer patients is part of overall care plan	11 units (92%) YES	225 units (88%) YES
<b>Nutritional treatment is considered...</b>		
Routinely	6 (50,0%)	153 (60,0%)
When patient asks	4 (33,3%)	62 (24,3%)
When body weight loss > 10%	2 (16,7%)	72 (28,2%)
During palliative phase	8 (66,7%)	62 (24,3%)
Other	-	14 (5,49%)
Missing	2 (16,7%)	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	9 (75,0%)	166 (65,1%)
Calculation of energy needs	9 (75,0%)	181 (71,0%)
Monitoring patients intake and use of oral supplements	11 (91,7%)	219 (85,9%)
None	-	7 (2,75%)
Other	-	12 (4,71%)
Missing	1 (8,33%)	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	8 (66,7%)	175 (68,6%)
At chemotherapy	-	34 (13,3%)
When necessary	3 (25,0%)	36 (14,1%)
Never	-	4 (1,57%)
Unknown	-	3 (1,18%)
Missing	1 (8,33%)	3 (1,18%)

**Anthropometrics (circumference)**

Regularly	1 (8,33%)	33 (12,9%)
At chemotherapy	-	6 (2,35%)
When necessary	9 (75,0%)	95 (37,3%)
Never	1 (8,33%)	106 (41,6%)
Unknown	-	5 (1,96%)
Missing	1 (8,33%)	10 (3,92%)

**BIA**

Regularly	-	8 (3,14%)
At chemotherapy	-	3 (1,18%)
When necessary	8 (66,7%)	68 (26,7%)
Never	3 (25,0%)	156 (61,2%)
Unknown	-	9 (3,53%)
Missing	1 (8,33%)	11 (4,31%)

**CT SCAN**

Regularly	-	12 (4,71%)
At chemotherapy	-	2 (0,78%)
When necessary	8 (66,7%)	71 (27,8%)
Never	3 (25,0%)	149 (58,4%)
Unknown	-	11 (4,31%)
Missing	1 (8,33%)	10 (3,92%)

**DEXA**

Regularly	-	3 (1,18%)
At chemotherapy	-	2 (0,78%)
When necessary	5 (41,7%)	44 (17,3%)
Never	4 (33,3%)	175 (68,6%)
Unknown	2 (16,7%)	17 (6,67%)
Missing	1 (8,33%)	14 (5,49%)

**Other (body composition)**

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

Never	3 (25,0%)	84 (32,9%)
Unknown	6 (50,0%)	39 (15,3%)
Missing	3 (25,0%)	92 (36,1%)

### Body function:

#### Handgrip

Regularly	-	12 (4,71%)
At chemotherapy	-	6 (2,35%)
When necessary	2 (16,7%)	77 (30,2%)
Never	9 (75,0%)	136 (53,3%)
Unknown	-	10 (3,92%)
Missing	1 (8,33%)	14 (5,49%)

#### 6-minutes walking test

Regularly	-	7 (2,75%)
At chemotherapy	-	4 (1,57%)
When necessary	1 (8,33%)	65 (25,5%)
Never	8 (66,7%)	149 (58,4%)
Unknown	2 (16,7%)	12 (4,71%)
Missing	1 (8,33%)	18 (7,06%)

#### Other (body function)

Regularly	-	11 (4,31%)
At chemotherapy	-	1 (0,39%)
When necessary	2 (16,7%)	44 (17,3%)
Never	4 (33,3%)	99 (38,8%)
Unknown	3 (25,0%)	36 (14,1%)
Missing	3 (25,0%)	64 (25,1%)

#### Nutritional requirements, calculated

Regularly	4 (33,3%)	78 (30,6%)
At chemotherapy	-	1 (0,39%)
When necessary	4 (33,3%)	127 (49,8%)
Never	-	14 (5,49%)
Unknown	-	3 (1,18%)
Missing	4 (33,3%)	32 (12,5%)

#### Nutritional intake:

##### Every meal

Regularly	6 (50,0%)	73 (28,6%)
At chemotherapy	-	2 (0,78%)
When necessary	3 (25,0%)	107 (42,0%)
Never	1 (8,33%)	26 (10,2%)
Unknown	1 (8,33%)	13 (5,10%)

Missing	1 (8,33%)	34 (13,3%)
<b>1 meal per day</b>		
Regularly	1 (8,33%)	20 (7,84%)
At chemotherapy	-	2 (0,78%)
When necessary	6 (50,0%)	82 (32,2%)
Never	2 (16,7%)	49 (19,2%)
Unknown	2 (16,7%)	17 (6,67%)
Missing	1 (8,33%)	85 (33,3%)
<b>2 meals per day</b>		
Regularly	-	20 (7,84%)
At chemotherapy	-	-
When necessary	6 (50,0%)	80 (31,4%)
Never	2 (16,7%)	51 (20,0%)
Unknown	2 (16,7%)	16 (6,27%)
Missing	2 (16,7%)	88 (34,5%)
<b>24h recall</b>		
Regularly	-	53 (20,8%)
At chemotherapy	-	6 (2,35%)
When necessary	8 (66,7%)	89 (34,9%)
Never	3 (25,0%)	34 (13,3%)
Unknown	-	14 (5,49%)
Missing	1 (8,33%)	59 (23,1%)
<b>Other (nutritional intake)</b>		
Regularly	-	6 (2,35%)
At chemotherapy	-	1 (0,39%)
When necessary	1 (8,33%)	38 (14,9%)
Never	2 (16,7%)	49 (19,2%)
Unknown	5 (41,7%)	37 (14,5%)
Missing	4 (33,3%)	124 (48,6%)
<b>Questionnaire completed by</b>		
Dietitian	8 (66,7%)	110 (43,1%)
Nurse	4 (33,3%)	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:	138	2506
<b>Demographic data:</b>		
Age (years)	71 [24-91]	65 [18-96]
Female gender	65 (47,1%)	1093 (43,6%)
Weight (kg)	53,8 ± 12,7	66,5 ± 17,5
Height (cm)	158,8 ± 10,1	166,0 ± 10,1
BMI (kg/m2)	21,2 ± 4,3	24,0 ± 5,0
<b>Outpatient (o)/Ward (w)</b>		
Outpatient(o)	-	142 (5,67%)
Ward (w)	138 (100%)	2340 (93,4%)
Missing	-	24 (0,96%)
<b>Goal of Therapy</b>		
Curative	71 (51,4%)	1449 (57,8%)
Palliative	48 (34,8%)	849 (33,9%)
Terminal	8 (5,80%)	122 (4,87%)
Missing	11 (7,97%)	86 (3,43%)
<b>Reason for admission</b>		
Clinical diagnostics	14 (10,1%)	295 (11,8%)
Therapy	85 (61,6%)	1236 (49,3%)
Surgery related	30 (21,7%)	492 (19,6%)
Treatment complications	6 (4,35%)	267 (10,7%)
Poor health status	14 (10,1%)	334 (13,3%)
Independent care difficult	3 (2,17%)	22 (0,88%)
Missing	-	-
<b>Present cancer diagnosis</b>		
Breast	13 (9,42%)	162 (6,46%)
Colon, rectum	31 (22,5%)	417 (16,6%)
Prostate	6 (4,35%)	65 (2,59%)
Lung	13 (9,42%)	237 (9,46%)
Skin	2 (1,45%)	19 (0,76%)
Kidney/bladder	6 (4,35%)	94 (3,75%)
Gastric/oesophageal	33 (23,9%)	291 (11,6%)
Pancreas	14 (10,1%)	123 (4,91%)
Lymphoma	8 (5,80%)	246 (9,82%)
Ears nose throat (ENT)	1 (0,72%)	109 (4,35%)
Leukaemia	1 (0,72%)	205 (8,18%)
Genital tract	4 (2,90%)	107 (4,27%)



Liver	15 (10,9%)	189 (7,54%)
Sarcoma	2 (1,45%)	27 (1,08%)
Brain	2 (1,45%)	37 (1,48%)
Testicular	1 (0,72%)	9 (0,36%)
Other	12 (8,70%)	229 (9,14%)
Missing	1 (0,72%)	51 (2,04%)

### Time since diagnosis

0-2 months	44 (31,9%)	811 (32,4%)
3-5 months	18 (13,0%)	426 (17,0%)
6-12 months	15 (10,9%)	398 (15,9%)
1-2 years	20 (14,5%)	333 (13,3%)
2-4 years	19 (13,8%)	214 (8,54%)
> 4 years	22 (15,9%)	208 (8,30%)
Missing	-	86 (3,43%)

### Cancer staging

0=Carcinoma in situ	7 (5,07%)	103 (4,11%)
I=Localized	29 (21,0%)	503 (20,1%)
II=Early locally advanced	12 (8,70%)	487 (19,4%)
III=Late locally advanced	33 (23,9%)	370 (14,8%)
IV=Metastasised	40 (29,0%)	704 (28,1%)
Missing	17 (12,3%)	339 (13,5%)

### Time since first therapy start

No therapy	13 (9,42%)	238 (9,50%)
Tumour staging/diagnosis	11 (7,97%)	221 (8,82%)
0-2 months	35 (25,4%)	747 (29,8%)
3-5 months	8 (5,80%)	342 (13,6%)
6-12 months	15 (10,9%)	360 (14,4%)
1-2 years	17 (12,3%)	265 (10,6%)
2-4 years	16 (11,6%)	166 (6,62%)
> 4 years	25 (18,1%)	191 (7,62%)
Missing	1 (0,72%)	69 (2,75%)

### Therapy situation

Diagnosis	15 (10,9%)	248 (9,90%)
Chemotherapy 1st line	28 (20,3%)	541 (21,6%)
Chemotherapy > 1st line	14 (10,1%)	420 (16,8%)
Radiotherapy	13 (9,42%)	229 (9,14%)
Target therapy	1 (0,72%)	77 (3,07%)
Hormone therapy	3 (2,17%)	22 (0,88%)
Palliative	12 (8,70%)	249 (9,94%)
Surgery	60 (43,5%)	681 (27,2%)

Cancer related complications	9 (6,52%)	187 (7,46%)
Therapy related complications	3 (2,17%)	101 (4,03%)
Missing	2 (1,45%)	71 (2,83%)

### Infections

None	119 (86,2%)	1857 (74,1%)
Local	13 (9,42%)	352 (14,0%)
General	4 (2,90%)	215 (8,58%)
Missing	2 (1,45%)	82 (3,27%)

### Nutrition Treatment

No special diet	82 (59,4%)	1058 (42,2%)
Individualized diet plan	12 (8,70%)	709 (28,3%)
Energy rich/protein rich ONS	10 (7,25%)	443 (17,7%)
Enteral nutrition (via NGT/PEG)	3 (2,17%)	131 (5,23%)
Parenteral nutrition	31 (22,5%)	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	10 (7,25%)	208 (8,30%)
Counselling	4 (2,90%)	237 (9,46%)
Other	2 (1,45%)	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:	137	2484
Body weight prior to becoming ill	58 [36-118]	70 [22-180]
Actual body weight	52 [32-95]	64 [21-175]
<b>Change in weight was</b>		
Intentional	4 (2,90%)	99 (3,95%)
Unintentional	107 (77,5%)	1609 (64,2%)
Weight is stable	10 (7,25%)	389 (15,5%)
Missing	1 (0,72%)	84 (3,35%)
<b>During the last week</b>		
<b>Patients who have had pain:</b>		
Not at all	49 (35,5%)	828 (33,0%)
A little	53 (38,4%)	711 (28,4%)
Quite a bit	22 (15,9%)	469 (18,7%)
Very much	5 (3,62%)	265 (10,6%)
Missing	9 (6,52%)	198 (7,90%)
<b>Patients who needed a rest:</b>		
Not at all	38 (27,5%)	560 (22,3%)
A little	55 (39,9%)	694 (27,7%)
Quite a bit	22 (15,9%)	606 (24,2%)
Very much	11 (7,97%)	394 (15,7%)
Missing	12 (8,70%)	212 (8,46%)
<b>Patients who felt weak:</b>		
Not at all	21 (15,2%)	543 (21,7%)
A little	57 (41,3%)	715 (28,5%)
Quite a bit	32 (23,2%)	605 (24,1%)
Very much	17 (12,3%)	407 (16,2%)
Missing	10 (7,25%)	203 (8,10%)
<b>Patients who felt depressed:</b>		
Not at all	38 (27,5%)	900 (35,9%)
A little	61 (44,2%)	776 (31,0%)
Quite a bit	26 (18,8%)	359 (14,3%)
Very much	4 (2,90%)	208 (8,30%)
Missing	9 (6,52%)	207 (8,26%)
<b>Patients who were tired:</b>		

Not at all	34 (24,6%)	558 (22,3%)
A little	58 (42,0%)	769 (30,7%)
Quite a bit	30 (21,7%)	563 (22,5%)
Very much	6 (4,35%)	376 (15,0%)
Missing	9 (6,52%)	204 (8,14%)

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

Not at all	58 (42,0%)	953 (38,0%)
A little	39 (28,3%)	567 (22,6%)
Quite a bit	24 (17,4%)	418 (16,7%)
Very much	7 (5,07%)	300 (12,0%)
Missing	9 (6,52%)	221 (8,82%)

#### Patients who lacked appetite:

Not at all	54 (39,1%)	881 (35,2%)
A little	45 (32,6%)	617 (24,6%)
Quite a bit	16 (11,6%)	431 (17,2%)
Very much	12 (8,70%)	322 (12,8%)
Missing	10 (7,25%)	218 (8,70%)

#### Just now

##### Patients who have pain:

Not at all	48 (34,8%)	993 (39,6%)
A little	64 (46,4%)	814 (32,5%)
Quite a bit	15 (10,9%)	359 (14,3%)
Very much	1 (0,72%)	106 (4,23%)
Missing	9 (6,52%)	205 (8,18%)

##### Patients who need a rest:

Not at all	40 (29,0%)	513 (20,5%)
A little	57 (41,3%)	832 (33,2%)
Quite a bit	23 (16,7%)	605 (24,1%)
Very much	9 (6,52%)	307 (12,3%)
Missing	9 (6,52%)	210 (8,38%)

##### Patients who feel weak:

Not at all	21 (15,2%)	562 (22,4%)
A little	56 (40,6%)	807 (32,2%)
Quite a bit	34 (24,6%)	594 (23,7%)
Very much	17 (12,3%)	296 (11,8%)
Missing	9 (6,52%)	210 (8,38%)

##### Patients who are depressed:

Not at all	45 (32,6%)	1027 (41,0%)
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A little	56 (40,6%)	763 (30,4%)
Quite a bit	23 (16,7%)	321 (12,8%)
Very much	5 (3,62%)	140 (5,59%)
Missing	9 (6,52%)	209 (8,34%)

#### Patients who are tired:

Not at all	36 (26,1%)	606 (24,2%)
A little	62 (44,9%)	871 (34,8%)
Quite a bit	24 (17,4%)	496 (19,8%)
Very much	6 (4,35%)	280 (11,2%)
Missing	10 (7,25%)	215 (8,58%)

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

Not at all	59 (42,8%)	961 (38,3%)
A little	44 (31,9%)	631 (25,2%)
Quite a bit	18 (13,0%)	418 (16,7%)
Very much	6 (4,35%)	233 (9,30%)
Missing	10 (7,25%)	221 (8,82%)

#### Patients who lack appetite:

Not at all	55 (39,9%)	907 (36,2%)
A little	50 (36,2%)	637 (25,4%)
Quite a bit	15 (10,9%)	430 (17,2%)
Very much	9 (6,52%)	278 (11,1%)
Missing	9 (6,52%)	217 (8,66%)

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

Nausea/Vomiting	10 (7,25%)	434 (17,3%)
Inflammation in mouth	5 (3,62%)	145 (5,79%)
Pain	16 (11,6%)	332 (13,2%)
Constipation	22 (15,9%)	197 (7,86%)
Diarrhea	10 (7,25%)	129 (5,15%)
Change in taste/smell	14 (10,1%)	326 (13,0%)
Early satiation/Loss of appetite	30 (21,7%)	604 (24,1%)
Other	12 (8,70%)	427 (17,0%)
Missing	7 (5,07%)	93 (3,71%)

#### Maximum activity performed by patients

Able to do sports	8 (5,80%)	96 (3,83%)
Fully active	20 (14,5%)	356 (14,2%)
Able to carry out light activities	11 (7,97%)	508 (20,3%)
Able to carry out self care	51 (37,0%)	623 (24,9%)
Able to carry out limited self care	32 (23,2%)	371 (14,8%)
Confined to bed or chair	5 (3,62%)	333 (13,3%)

Missing	11 (7,97%)	196 (7,82%)
<b>Patient takes additional (without prescription)</b>		
Nothing	107 (77,5%)	1595 (63,6%)
Herbal tea	-	237 (9,46%)
Nutritional supplements	6 (4,35%)	214 (8,54%)
Multivitamin	3 (2,17%)	81 (3,23%)
Other medication	2 (1,45%)	92 (3,67%)
Other	7 (5,07%)	127 (5,07%)
Missing	13 (9,42%)	253 (10,1%)
<b>Additional activities performed</b>		
Nothing	112 (81,2%)	1750 (69,8%)
Psychotherapy	-	53 (2,11%)
Yoga	3 (2,17%)	25 (1,00%)
Meditation	1 (0,72%)	103 (4,11%)
Progressive muscle relaxation	4 (2,90%)	40 (1,60%)
Qigong	1 (0,72%)	8 (0,32%)
Other	4 (2,90%)	261 (10,4%)
Missing	13 (9,42%)	300 (12,0%)
<b>Patients having difficulties in complying with treatment</b>		
Patients having difficulties in complying with treatment	20 (14,5%)	542 (21,6%)
<b>Patients needing help to complete questionnaire</b>		
Patients needing help to complete questionnaire	47 (34,1%)	1313 (52,4%)
<b>Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:</b>		
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	61 (44,2%)	1505 (60,1%)