



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:	16
Number of participated units:	25
Number of patients who gave consent:	327
Number of patients completing Sheet 3a:	315
Number of patients completing Sheet 3b:	315
Number of cancer patients:	62
Number of patients completing Sheet 2_onco:	20
Number of patients completing Sheet 3_onco:	20
Number of patients with 30-day outcome assessment:	276

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

1. Hospital capacity and staffing ("Hospital sheet")

	YOUR RESULTS	REFERENCE RESULTS
1. Total number of beds in hospital	328 [186-595]	317 [188-615]
2. Total number of admissions in the hospital last year	12308 [7507-31911]	17520 [8982-34767]
3. Total number of staff in the hospital		
Total medical doctors	130 [21-417]	170 [78-396]
Medical specialists	13 [7-230]	117 [54-244]
Medical non-specialists	21 [10-57]	35 [11-82]
Nurses	383 [69-935]	418 [195-800]
Dieticians	6 [2-10]	5 [2-9]
Nutritionists	0 [0-0]	1 [0-4]
Pharmacists	19 [7-21]	7 [4-22]
Kitchen staff	44 [25-83]	30 [14-55]
Full time equivalent		
Total medical doctors	22 [20-60]	139 [60-368]
Medical specialists	14 [10-48]	98 [48-245]
Medical non-specialists	11 [9-14]	34 [11-87]
Nurses	164 [144-240]	350 [187-778]
Dieticians	4 [2-10]	4 [2-8]
Nutritionists	0 [0-1]	1 [0-3]
Pharmacists	20 [8-25]	6 [3-18]
Kitchen staff	30 [29-95]	27 [14-50]
4. Does the hospital have a nutrition care strategy?	8 (61.5%) Yes	351 (78.7%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	8 (57.1%) Yes	298 (66.8%) Yes
Nutrition steering committee is available	4 (28.6%) Yes	280 (62.8%) Yes
Quality indicators are recorded and reported to national or regional level	6 (42.9%) Yes	193 (43.3%) Yes
Quality indicators are used for internal benchmarking	10 (71.4%) Yes	235 (52.7%) Yes
Patient feedback about food and food service is collected using a questionnaire	12 (85.7%) Yes	337 (75.6%) Yes
None	-	19 (4.3%) Yes
No answer given	1 (7.1%)	-
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	7 (50.0%) Yes	216 (48.4%) Yes
Oral nutrition supplements	1 (7.1%) Yes	165 (37.0%) Yes

Parenteral nutrition	7 (50.0%) Yes	255 (57.2%) Yes
Enteral nutrition	7 (50.0%) Yes	224 (50.2%) Yes
Dietary counseling	4 (28.6%) Yes	166 (37.2%) Yes
Specific dietary interventions	-	119 (26.7%) Yes
Screening for malnutrition	6 (42.9%) Yes	119 (26.7%) Yes
Risk of malnutrition	4 (28.6%) Yes	103 (23.1%) Yes
Malnutrition (in general)	12 (85.7%) Yes	203 (45.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	13 (92.9%) 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 (35.7%) Yes	188 (42.2%) Yes
Oral nutrition supplements	1 (7.1%) Yes	143 (32.1%) Yes
Parenteral nutrition	5 (35.7%) Yes	233 (52.2%) Yes
Enteral nutrition	5 (35.7%) Yes	205 (46.0%) Yes
Dietary counseling	3 (21.4%) Yes	140 (31.4%) Yes
Specific dietary interventions	-	105 (23.5%) Yes
Screening for malnutrition	5 (35.7%) Yes	95 (21.3%) Yes
Risk of malnutrition	3 (21.4%) Yes	80 (17.9%) Yes
Malnutrition (in general)	10 (71.4%) Yes	176 (39.5%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	11 (78.6%) Yes	169 (37.9%) Yes
No information available from billing/finance/controlling	1 (7.1%) Yes	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	13 (52.0%)	19.3%
Internal Medicine / Cardiology	1 (4.0%)	4.5%
Internal Medicine / Gastroenterology & hepatology	1 (4.0%)	6.3%
Internal Medicine / Geriatrics	-	7.9%
Internal Medicine / Infectious diseases	-	0.5%
Internal Medicine / Nephrology	-	1.3%
Internal Medicine / Oncology (incl. radiotherapy)	2 (8.0%)	7.2%
Interdisciplinary	-	3.3%
Long term care	-	2.0%
Neurology	-	3.6%
Surgery / General	3 (12.0%)	13.5%
Surgery/ Cardiac/Vascular/Thoracic	-	2.1%
Surgery / Neurosurgery	-	1.0%
Surgery / Orthopedic	-	4.2%
Trauma	1 (4.0%)	1.4%
Ear Nose Throat (ENT)	-	1.8%
Gynecology / Obstetrics	-	1.6%
Pediatrics	-	1.3%
Psychiatry	-	0.9%
Others	4 (16.0%)	16.1%
2. Number of registered inpatients at noon	23 [21-27]	24 [18-31]
3. Total bed capacity of the unit	28 [24-39]	30 [24-38]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	8 [4-10]	3 [2-7]
Nurses	7 [5-8]	5 [3-8]
Nursing aides	3 [2-4]	2 [1-3]
Dieticians	1 [1-1]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	2 [1-2]	1 [0-1]
Other staff involved in patient care	5 [3-7]	1 [0-2]
In training		
Medical doctors	1 [0-3]	1 [0-3]
Medical students	1 [0-4]	0 [0-2]
Nurses	0 [0-2]	1 [0-3]

Nursing aides	0 [0-0]	0 [0-0]
Dieticians	0 [0-1]	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? 15 (62.5%) Yes 705 (76.4%) Yes

6. Does the unit have a nutrition care strategy? 18 (75.0%) Yes 678 (73.5%) Yes

7. Is there a person in your unit responsible for nutrition care? 22 (91.7%) Yes 644 (69.8%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 24 (100%) Yes 831 (90.0%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 21 (87.5%) 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	-	77 (7.9%) Yes
Weighing / BMI only	-	141 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	2 (8.0%) Yes	309 (31.9%) Yes
Malnutrition Universal Screening Tool (MUST)	-	59 (6.1%) Yes
Malnutrition Screening tool (MST)	17 (68.0%) Yes	70 (7.2%) Yes
SNAQ	-	11 (1.1%) Yes
Other formal tool	5 (20.0%) Yes	148 (15.3%) Yes
I do not know	-	9 (0.93%) Yes
Missing	1 (4.0%)	47 (4.8%)

During hospital stay

No routine monitoring	4 (16.0%) Yes	88 (9.1%) Yes
No fixed criteria	8 (32.0%) Yes	77 (7.9%) Yes
Experience / visual assessment only	3 (12.0%) Yes	174 (17.9%) Yes
Weighing / BMI only	1 (4.0%) Yes	313 (32.3%) Yes
Other formal tool	8 (32.0%) Yes	251 (25.9%) Yes
I do not know	-	20 (2.1%) Yes
Missing	1 (4.0%)	47 (4.8%)

11a. Do you routinely use guidelines or standards for nutrition care? 22 (95.7%) Yes 724 (80.0%) Yes

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

International guidelines	-	186 (25.7%) Yes
National guidelines	13 (59.1%) Yes	105 (14.5%) Yes
Standards on hospital level	3 (13.6%) Yes	249 (34.4%) Yes
Standards on unit level	-	51 (7.0%) Yes
Individual patient nutrition care plans	5 (22.7%) Yes	116 (16.0%) Yes
Other	1 (4.5%) Yes	7 (0.97%) Yes
Missing	-	10 (1.4%)

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

Watchful waiting	5 (20.0%) Yes	281 (29.0%) Yes
Discuss nutrition care activities during ward rounds	15 (60.0%) Yes	430 (44.3%) Yes
Develop an individual nutrition care plan	20 (80.0%) Yes	509 (52.5%) Yes
Initiate treatment / nutrition intervention	18 (72.0%) Yes	582 (60.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	21 (84.0%) Yes	592 (61.0%) Yes
Consult a medical professional	9 (36.0%) Yes	383 (39.5%) Yes
Calculate energy requirements	18 (72.0%) Yes	479 (49.4%) Yes
Calculate protein requirements	17 (68.0%) Yes	466 (48.0%) Yes

Malnourished

Watchful waiting	2 (8.0%) Yes	196 (20.2%) Yes
Discuss nutrition care activities during ward rounds	16 (64.0%) Yes	462 (47.6%) Yes
Develop an individual nutrition care plan	20 (80.0%) Yes	541 (55.8%) Yes
Initiate treatment / nutrition intervention	20 (80.0%) Yes	624 (64.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	21 (84.0%) Yes	581 (59.9%) Yes
Consult a medical professional	12 (48.0%) Yes	411 (42.4%) Yes
Calculate energy requirements	18 (72.0%) Yes	537 (55.4%) Yes
Calculate protein requirements	17 (68.0%) Yes	522 (53.8%) Yes

Every patient

Watchful waiting	15 (60.0%) Yes	483 (49.8%) Yes
Discuss nutrition care activities during ward rounds	6 (24.0%) Yes	258 (26.6%) Yes
Develop an individual nutrition care plan	5 (20.0%) Yes	184 (19.0%) Yes
Initiate treatment / nutrition intervention	3 (12.0%) Yes	135 (13.9%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (4.0%) Yes	185 (19.1%) Yes
Consult a medical professional	5 (20.0%) Yes	209 (21.5%) Yes
Calculate energy requirements	4 (16.0%) Yes	123 (12.7%) Yes
Calculate protein requirements	4 (16.0%) Yes	113 (11.6%) Yes

Never

Watchful waiting	5 (20.0%) Yes	76 (7.8%) Yes
Discuss nutrition care activities during ward rounds	1 (4.0%) Yes	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	1 (4.0%) 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	4 (16.0%) Yes	51 (5.3%) Yes
Discuss nutrition care activities during ward rounds	2 (8.0%) Yes	40 (4.1%) Yes
Develop an individual nutrition care plan	2 (8.0%) Yes	22 (2.3%) Yes
Initiate treatment / nutrition intervention	2 (8.0%) Yes	22 (2.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	2 (8.0%) Yes	18 (1.9%) Yes
Consult a medical professional	5 (20.0%) Yes	51 (5.3%) Yes
Calculate energy requirements	2 (8.0%) Yes	40 (4.1%) Yes
Calculate protein requirements	2 (8.0%) Yes	42 (4.3%) Yes

13. When do you routinely weigh your patients?

at admission	20 (80.0%) Yes	625 (64.4%) Yes
Within 24 hours	11 (44.0%) Yes	142 (14.6%) Yes
Within 48 hours	-	54 (5.6%) Yes
Within 72 hours	-	27 (2.8%) Yes
Every week	10 (40.0%) Yes	393 (40.5%) Yes
Occasionally	4 (16.0%) Yes	109 (11.2%) Yes
When requested	14 (56.0%) Yes	483 (49.8%) Yes
At discharge	-	52 (5.4%) Yes
Never	-	13 (1.3%) Yes
I do not know	1 (4.0%) Yes	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	21 (84.0%) Yes	730 (75.3%) Yes
Offer meal choices	20 (80.0%) Yes	711 (73.3%) Yes
Offer different portion sizes	17 (68.0%) Yes	635 (65.5%) Yes
Consider food presentation	11 (44.0%) Yes	356 (36.7%) Yes
Change food texture/consistency as needed	22 (88.0%) Yes	797 (82.2%) Yes
Consider patient problems with eating and drinking	20 (80.0%) Yes	793 (81.8%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	4 (16.0%) Yes	218 (22.5%) Yes
Promote positive eating environment	13 (52.0%) Yes	281 (29.0%) Yes
Consider cultural/religious preferences	20 (80.0%) Yes	559 (57.6%) Yes
Consider patient allergies / intolerances	22 (88.0%) Yes	650 (67.0%) Yes
Other	-	74 (7.6%) Yes
I do not know	1 (4.0%) Yes	19 (2.0%) Yes
No answer given	1 (4.0%)	48 (4.9%)

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

Nutrition training is available	14 (56.0%) Yes	558 (57.5%) Yes
Reporting of nutrition related information to hospital managers	14 (56.0%) Yes	408 (42.1%) Yes
Quality indicators are recorded and reported to national or regional level	8 (32.0%) Yes	302 (31.1%) Yes
Quality indicators are used for internal benchmarking	16 (64.0%) Yes	358 (36.9%) Yes
Patient feedback about food and food service is collected using a questionnaire	21 (84.0%) Yes	625 (64.4%) Yes
None	-	32 (3.3%) Yes
I do not know	3 (12.0%) Yes	38 (3.9%) Yes
No answer given	1 (4.0%)	68 (7.0%)

16. At admission what is asked and documented?

Change in weight	21 (84.0%) Yes	775 (79.9%) Yes
Eating habits/difficulties	19 (76.0%) Yes	746 (76.9%) Yes
Nutrition before admission	15 (60.0%) Yes	592 (61.0%) Yes
None	-	15 (1.5%) Yes
I do not know	2 (8.0%) Yes	20 (2.1%) Yes
No answer given	1 (4.0%)	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	20 (80.0%) Yes	708 (73.0%) Yes
nutrition treatment	18 (72.0%) Yes	582 (60.0%) Yes
None	1 (4.0%) Yes	54 (5.6%) Yes
I do not know	2 (8.0%) Yes	26 (2.7%) Yes

b. Discharge Letter ...

summarizes nutrition treatment received during stay	10 (40.0%) Yes	407 (42.0%) Yes
makes future nutrition-related recommendations	15 (60.0%) Yes	572 (59.0%) Yes
None	1 (4.0%) Yes	110 (11.3%) Yes
I do not know	5 (20.0%) Yes	69 (7.1%) Yes

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	5 (21.7%) Yes	356 (44.8%) Yes
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19. Who filled in this sheet?

Head staff	4 (16.0%) Yes	281 (29.0%) Yes
Dietician	22 (88.0%) Yes	517 (53.3%) Yes
Nurse	1 (4.0%) Yes	279 (28.8%) Yes
Physician	-	128 (13.2%) Yes
Administrative staff	1 (4.0%) Yes	8 (0.82%) Yes

Other	-	39 (4.0%) Yes
None	-	-
I do not know	1 (4.0%) Yes	7 (0.72%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	327	17827
Age	63 [51-73]	67 [53-78]
Female	158 (48.3%)	8951 (50.2%)
Weight	87.5±29.5	70.1±19.2
Height	169±12	165±10
BMI	30.4±9.6	25.5±6.0

1. This hospital admission was...

planned	45 (13.8%)	6798 (38.1%)
an emergency	270 (82.6%)	9562 (53.6%)
I do not know	12 (3.7%)	1467 (8.2%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	45 (13.8%)	1555 (8.7%)
0200 Neoplasms	23 (7.0%)	3133 (17.6%)
0300 Blood and bloodforming organs and the immune mechanism	15 (4.6%)	1159 (6.5%)
0400 Endocrine, nutritional and metabolic diseases	70 (21.4%)	2190 (12.3%)
0500 Mental health	22 (6.7%)	851 (4.8%)
0600 Nervous system	40 (12.2%)	1636 (9.2%)
0700 Eye and adnexa	3 (0.92%)	236 (1.3%)
0800 Ear and mastoid process	2 (0.61%)	127 (0.71%)
0900 Circulatory system	108 (33.0%)	3801 (21.3%)
1000 Respiratory system	78 (23.9%)	2810 (15.8%)
1100 Digestive system	87 (26.6%)	4343 (24.4%)
1200 Skin and subcutaneous tissue	29 (8.9%)	786 (4.4%)
1300 Musculoskeletal system and connective tissue	35 (10.7%)	2703 (15.2%)
1400 Genitourinary system	28 (8.6%)	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	3 (0.92%)	31 (0.17%)
1800 Symptoms, signs, abnormal clinical/lab findings	81 (24.8%)	816 (4.6%)
1900 Injury, poisoning	10 (3.1%)	512 (2.9%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	2 (0.61%)	379 (2.1%)
2100 Factors influencing health status and contact with health services	4 (1.2%)	619 (3.5%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	133 (42.4%)	3518 (22.5%)
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Myocardial infarction	31 (10.0%)	823 (5.4%)
Chronic lung disease	67 (21.2%)	2299 (14.8%)
Cerebral vascular disease	35 (11.2%)	1523 (9.9%)
Peripheral vascular disease	43 (13.8%)	1931 (12.6%)
Chronic liver disease	17 (5.5%)	992 (6.5%)
Chronic kidney disease	54 (17.3%)	1734 (11.3%)
Diabetes	111 (35.6%)	3888 (24.9%)
Cancer	62 (19.7%)	3763 (24.2%)
Infection	57 (18.3%)	2245 (14.5%)
Dementia	12 (3.9%)	798 (5.2%)
Major depressive disorder	32 (10.4%)	853 (5.6%)
Other chronic mental disorder	41 (13.3%)	815 (5.4%)
Other chronic disease	119 (38.8%)	4031 (25.9%)
None	22 (6.7%)	3008 (16.9%)

4a. Previous operation during this hospital stay

Yes, planned	41 (12.5%)	3584 (20.1%)
Yes, acute	34 (10.4%)	1077 (6.0%)
No	229 (70.0%)	12545 (70.4%)
I do not know	16 (4.9%)	230 (1.3%)
Missing	7 (2.1%)	391 (2.2%)

Days since operation	2 [1-7]	3 [1-11]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	8 (2.4%)	1266 (7.1%)
Yes, later	11 (3.4%)	953 (5.3%)
No	276 (84.4%)	13798 (77.4%)
I do not know	24 (7.3%)	833 (4.7%)
Missing	8 (2.4%)	977 (5.5%)

5. Previous ICU admission during this hospital stay? (Yes)	32 (9.8%)	1781 (10.0%)
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6. Is this patient terminally ill?	20 (6.1%)	1122 (6.3%)
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7. Fluid status

Normal	169 (51.7%)	13668 (76.7%)
Overloaded	45 (13.8%)	1008 (5.7%)
Dehydrated	14 (4.3%)	878 (4.9%)
I do not know	99 (30.3%)	2273 (12.8%)
Missing	-	-

8. Number of different medications planned

Oral	6 [3-10]	5 [2-8]
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Other	3 [2-5]	2 [1-4]
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9. Was this patient identified as malnourished or at risk of malnutrition?

Malnourished	43 (13.1%)	2050 (11.5%)
At risk	61 (18.7%)	3162 (17.7%)
No	203 (62.1%)	11117 (62.4%)
I do not know	20 (6.1%)	1498 (8.4%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	126 (38.5%)	6470 (36.3%)
5% Glucose solution	21 (6.4%)	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	198 (60.6%)	10454 (58.6%)
Fortified/enriched hospital food	2 (0.61%)	1962 (11.0%)
Protein/energy supplement (e.g. ONS drinks)	62 (19.0%)	2469 (13.8%)
Enteral nutrition	3 (0.92%)	882 (4.9%)
Parenteral nutrition	6 (1.8%)	929 (5.2%)
Special diet	189 (57.8%)	5732 (32.2%)
None	38 (11.6%)	895 (5.0%)

13a. All lines and Tubes

Central Venous	22 (6.7%)	1535 (8.6%)
Peripheral venous access	206 (63.0%)	8238 (46.2%)
Nasogastric	3 (0.92%)	462 (2.6%)
Nasojejunal	-	79 (0.44%)
Nasoduodenal	-	67 (0.38%)
Enterostoma	3 (0.92%)	82 (0.46%)
Percutaneous endoscopy/surgical gastrostomy	2 (0.61%)	137 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	1 (0.31%)	63 (0.35%)
None	107 (32.7%)	8032 (45.1%)

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

Yes, previously	2 (0.61%)	247 (1.4%)
Yes, ongoing	-	173 (0.97%)
No	260 (79.5%)	14548 (81.6%)
I do not know	40 (12.2%)	1646 (9.2%)
Missing	25 (7.6%)	1213 (6.8%)

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

Energy requirements were determined	135 (41.3%)	6273 (35.2%)
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Protein requirements were determined	133 (40.7%)	5516 (30.9%)
Food/Nutrition intake was recorded in the patient record	249 (76.1%)	7653 (42.9%)
Nutrition treatment plan was developed	150 (45.9%)	6036 (33.9%)
Nutrition expert was consulted	136 (41.6%)	6237 (35.0%)
Malnutrition status is recorded in the patient record	118 (36.1%)	5297 (29.7%)
None	-	-

15a. Energy goal

< 500 kcal	7 (2.1%)	749 (4.2%)
500-999 kcal	1 (0.31%)	194 (1.1%)
1000-1499 kcal	21 (6.4%)	1695 (9.5%)
1500-1999 kcal	74 (22.6%)	5578 (31.3%)
>=2000 kcal	33 (10.1%)	1992 (11.2%)
Not determined	163 (49.8%)	6066 (34.0%)
I do not know	28 (8.6%)	1515 (8.5%)
Missing	-	38 (0.21%)

15b. Energy intake

< 500 kcal	27 (8.3%)	1264 (7.1%)
500-999 kcal	21 (6.4%)	900 (5.0%)
1000-1499 kcal	18 (5.5%)	2387 (13.4%)
1500-1999 kcal	60 (18.3%)	3954 (22.2%)
>=2000 kcal	14 (4.3%)	1047 (5.9%)
Not determined	124 (37.9%)	6021 (33.8%)
I do not know	63 (19.3%)	2199 (12.3%)
Missing	-	55 (0.31%)

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

Improved	162 (49.5%)	8831 (49.5%)
Deteriorated	3 (0.92%)	1039 (5.8%)
Remained the same	83 (25.4%)	4935 (27.7%)
This patient has just been admitted	24 (7.3%)	1248 (7.0%)
I do not know	55 (16.8%)	1774 (10.0%)
Missing	-	-

Length of hospital stay (days)	7 [4-14]	12 [6-24]
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Outcome Code

1= Still in the hospital	10 (3.1%)	1702 (9.5%)
2= Transferred to another hospital	3 (0.92%)	419 (2.4%)
3= Transferred to long term care	17 (5.2%)	780 (4.4%)
4= Rehabilitation	27 (8.3%)	785 (4.4%)
5= Discharged home	211 (64.5%)	13163 (73.8%)
6= Death	5 (1.5%)	535 (3.0%)

7= Others	3 (0.92%)	310 (1.7%)
Missing	51 (15.6%)	133 (0.75%)
Readmitted since ND		
1= No	173 (65.8%)	11846 (75.5%)
2= Yes, same hospital planned	7 (2.7%)	1043 (6.7%)
3= Yes, same hospital unplanned	45 (17.1%)	889 (5.7%)
4= Yes, different hospital planned	11 (4.2%)	68 (0.43%)
5= Yes, different hospital unplanned	11 (4.2%)	68 (0.43%)
6= Unknown	25 (9.5%)	646 (4.1%)
Missing	-	1059 (6.8%)

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

	<i>YOUR RESULTS</i>	<i>REFERENCE RESULTS</i>
1. What are your typical dietary habits?		
No special dietary habits	185 (58.7%)	12235 (71.0%)
I am vegetarian	6 (1.9%)	370 (2.1%)
I adhere to a vegan diet	1 (0.32%)	132 (0.77%)
I eat gluten-free diet	4 (1.3%)	156 (0.91%)
I avoid added sugars	56 (17.8%)	2604 (15.1%)
I avoid carbohydrates	38 (12.1%)	1038 (6.0%)
I eat a low fat-diet	27 (8.6%)	1930 (11.2%)
I am lactose intolerant	15 (4.8%)	572 (3.3%)
Other special diet due to intolerances/allergies	12 (3.8%)	323 (1.9%)
Other	42 (13.3%)	1219 (7.1%)
No answer given	-	337 (2.0%)
2. Where did you live before your current hospital admission?		
At home	283 (89.8%)	15276 (88.7%)
In a nursing home or other live-in facility	20 (6.3%)	609 (3.5%)
I was transferred from another hospital	5 (1.6%)	883 (5.1%)
Other	6 (1.9%)	268 (1.6%)
Missing	1 (0.32%)	185 (1.1%)
3. In general, are you able to walk?		
Yes	182 (57.8%)	11104 (64.5%)
Yes, with someone's help	30 (9.5%)	1762 (10.2%)
Yes, independently using a cane, walker, or crutches	63 (20.0%)	2412 (14.0%)
No, I have a wheelchair	25 (7.9%)	712 (4.1%)
No, I am bedridden	11 (3.5%)	988 (5.7%)
Missing	4 (1.3%)	243 (1.4%)
4. In general, how would you say your health is?		
Very good	33 (10.5%)	1252 (7.3%)
Good	90 (28.6%)	6191 (36.0%)
Fair	126 (40.0%)	6489 (37.7%)
Poor	54 (17.1%)	2490 (14.5%)
Very poor	10 (3.2%)	558 (3.2%)
Missing	2 (0.63%)	241 (1.4%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	5 [2-10]	5 [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?	4 [1-10]	5 [0-15]

6. How many different medications do you take routinely each day (prior to hospitalisation)?		
1-2	34 (10.8%)	3323 (19.3%)
3-5	78 (24.8%)	4698 (27.3%)
More than 5	165 (52.4%)	5507 (32.0%)
None	31 (9.8%)	2633 (15.3%)
I do not know	6 (1.9%)	778 (4.5%)
Missing	1 (0.32%)	282 (1.6%)

7. Do you have health insurance?		
Yes, private insurance only	62 (19.7%)	2738 (15.9%)
Yes, public insurance only	124 (39.4%)	8466 (49.2%)
Yes, both	61 (19.4%)	2117 (12.3%)
None	24 (7.6%)	2268 (13.2%)
I prefer not to answer	13 (4.1%)	1018 (5.9%)
Missing	31 (9.8%)	614 (3.6%)

8. What was your weight 5 years ago?	86 [68-108]	72 [60-85]
I do not know	82 (26.0%)	4280 (24.9%)

9a. Have you lost weight within the last 3 months?		
Yes, intentionally	44 (14.0%)	1639 (9.5%)
Yes, unintentionally	134 (42.5%)	6488 (37.7%)
No, my weight stayed the same	75 (23.8%)	5108 (29.7%)
No, I gained weight	37 (11.7%)	1894 (11.0%)
I do not know	18 (5.7%)	1680 (9.8%)
Missing	7 (2.2%)	412 (2.4%)

9b. If yes, how many kg did you lose?	7 [5-14]	6 [4-10]
I do not know	28 (15.7%)	1267 (15.6%)

10. Did you know about your hospitalisation two days before admission? (Yes)	64 (20.8%)	6721 (41.1%)
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11. Please indicate if you ...		
... were weighed at admission	215 (68.5%)	9728 (57.2%)
... were informed about your nutrition status	87 (27.6%)	5774 (34.3%)
... were informed about nutrition care options	95 (30.2%)	5459 (32.5%)
... received special nutrition care	101 (32.3%)	5054 (30.1%)

12. How well have you eaten in the week before you were admitted to the hospital?		
More than normal	12 (3.8%)	762 (4.5%)
Normal	149 (47.3%)	10449 (61.1%)
About 3/4 of normal	35 (11.1%)	1762 (10.3%)
About half of normal	54 (17.1%)	2122 (12.4%)

About a quarter to nearly nothing	64 (20.3%)	1571 (9.2%)
I do not know	1 (0.32%)	153 (0.89%)
Missing	-	286 (1.7%)

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

Very satisfied	93 (29.5%)	4212 (24.6%)
Somewhat satisfied	87 (27.6%)	5626 (32.9%)
Neutral	68 (21.6%)	3361 (19.6%)
Dissatisfied	26 (8.3%)	1441 (8.4%)
Very dissatisfied	11 (3.5%)	491 (2.9%)
I do not know	30 (9.5%)	1415 (8.3%)
Missing	-	559 (3.3%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	13 (4.1%)	1651 (9.7%)
Yes, from hospital staff	20 (6.3%)	1185 (6.9%)
No	275 (87.3%)	13278 (77.6%)
I do not know	2 (0.63%)	218 (1.3%)
Missing	5 (1.6%)	773 (4.5%)

15. Were you able to eat without interruption TODAY? (Yes)	208 (68.4%)	11891 (74.2%)
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16a. Please indicate how much hospital food you ate for lunch or dinner TODAY:

About all	113 (35.9%)	7871 (46.0%)
1/2	82 (26.0%)	4261 (24.9%)
1/4	63 (20.0%)	2226 (13.0%)
Nothing	51 (16.2%)	1992 (11.6%)
Missing	6 (1.9%)	755 (4.4%)

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

Standard	180 (57.1%)	11000 (64.3%)
Smaller	37 (11.7%)	1600 (9.4%)
Larger	30 (9.5%)	763 (4.5%)
I do not know	43 (13.7%)	1701 (9.9%)
Missing	25 (7.9%)	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	35 (17.9%)	1293 (15.2%)
I did not like the smell/taste of the food	29 (14.8%)	996 (11.7%)
The food did not fit my cultural/religious preferences	-	90 (1.1%)
The food was too hot	-	38 (0.45%)
The food was too cold	13 (6.6%)	207 (2.4%)
Due to food allergy/intolerance	2 (1.0%)	53 (0.63%)
I was not hungry at that time	39 (19.9%)	1520 (17.9%)

I do not have my usual appetite	52 (26.5%)	2475 (29.2%)
I have problems chewing/swallowing	10 (5.1%)	478 (5.6%)
I normally eat less than what was served	21 (10.7%)	969 (11.4%)
I had nausea/vomiting	21 (10.7%)	637 (7.5%)
I was too tired	16 (8.2%)	506 (6.0%)
I cannot eat without help	1 (0.51%)	141 (1.7%)
I was not allowed to eat	21 (10.7%)	869 (10.2%)
I had an exam, surgery, or test and missed my meal	11 (5.6%)	469 (5.5%)
I did not get requested food	6 (3.1%)	93 (1.1%)
No answer given	15 (7.7%)	1161 (13.7%)

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

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

19a. Did you eat any food apart from hospital food TODAY?	47 (15.9%)	4518 (28.8%)
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19b. If yes, what did you eat?

Sweet snacks	21 (44.7%)	1302 (28.8%)
Salty snacks	13 (27.7%)	512 (11.3%)
Homemade food	3 (6.4%)	703 (15.6%)
Fruits	3 (6.4%)	1730 (38.3%)
Dairy products	4 (8.5%)	471 (10.4%)
Food delivered/restaurant	8 (17.0%)	191 (4.2%)
Sandwich	5 (10.6%)	282 (6.2%)
Other	4 (8.5%)	724 (16.0%)

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

Increased	68 (21.6%)	2508 (14.7%)
Decreased	107 (34.0%)	5344 (31.2%)
Stayed the same	118 (37.5%)	7154 (41.8%)
I do not know	16 (5.1%)	1188 (6.9%)
Missing	6 (1.9%)	911 (5.3%)

21. TODAY I feel...

Stronger than at admission	158 (50.2%)	7275 (42.5%)
Weaker than at admission	58 (18.4%)	3158 (18.5%)
Same as at admission	82 (26.0%)	4825 (28.2%)

I was admitted today	4 (1.3%)	465 (2.7%)
I do not know	13 (4.1%)	926 (5.4%)
Missing	-	456 (2.7%)

22. Can you walk without assistance TODAY?

Yes	166 (52.7%)	10229 (59.8%)
No, only with assistance	104 (33.0%)	4164 (24.3%)
No, I stay in bed	36 (11.4%)	1821 (10.6%)
Missing	9 (2.9%)	891 (5.2%)

23. Did anyone help you complete this questionnaire?	216 (70.1%)	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
Nutritional treatment is considered...		
Routinely	3 (100%)	153 (60,0%)
When patient asks	-	62 (24,3%)
When body weight loss > 10%	-	72 (28,2%)
During palliative phase	-	62 (24,3%)
Other	-	14 (5,49%)
Missing	-	26 (10,2%)
Nutritional treatment is not part of the comprehensive approach due to		
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%)
Nutritional therapy used for cancer patients		
Nutrition according to nutrition plan	2 (66,7%)	166 (65,1%)
Calculation of energy needs	3 (100%)	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%)
Nutritional therapy is not used due to		
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	2 (66,7%)	175 (68,6%)
At chemotherapy	-	34 (13,3%)
When necessary	1 (33,3%)	36 (14,1%)
Never	-	4 (1,57%)
Unknown	-	3 (1,18%)
Missing	-	3 (1,18%)

Anthropometrics (circumference)

Regularly	-	33 (12,9%)
At chemotherapy	-	6 (2,35%)
When necessary	-	95 (37,3%)
Never	-	106 (41,6%)
Unknown	1 (33,3%)	5 (1,96%)
Missing	2 (66,7%)	10 (3,92%)

BIA

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

CT SCAN

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

DEXA

Regularly	-	3 (1,18%)
At chemotherapy	-	2 (0,78%)
When necessary	-	44 (17,3%)
Never	2 (66,7%)	175 (68,6%)
Unknown	1 (33,3%)	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	-	84 (32,9%)
Unknown	1 (33,3%)	39 (15,3%)
Missing	2 (66,7%)	92 (36,1%)

Body function:

Handgrip

Regularly	-	12 (4,71%)
At chemotherapy	-	6 (2,35%)
When necessary	2 (66,7%)	77 (30,2%)
Never	-	136 (53,3%)
Unknown	1 (33,3%)	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	2 (66,7%)	149 (58,4%)
Unknown	1 (33,3%)	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	-	99 (38,8%)
Unknown	1 (33,3%)	36 (14,1%)
Missing	2 (66,7%)	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	2 (66,7%)	73 (28,6%)
At chemotherapy	-	2 (0,78%)
When necessary	1 (33,3%)	107 (42,0%)
Never	-	26 (10,2%)
Unknown	-	13 (5,10%)

Missing	-	34 (13,3%)
1 meal per day		
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%)
2 meals per day		
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%)
24h recall		
Regularly	-	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	2 (66,7%)	59 (23,1%)
Other (nutritional intake)		
Regularly	-	6 (2,35%)
At chemotherapy	-	1 (0,39%)
When necessary	-	38 (14,9%)
Never	-	49 (19,2%)
Unknown	1 (33,3%)	37 (14,5%)
Missing	2 (66,7%)	124 (48,6%)
Questionnaire completed by		
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:	20	2506
Demographic data:		
Age (years)	62 [36-88]	65 [18-96]
Female gender	11 (55,0%)	1093 (43,6%)
Weight (kg)	70,0 ± 20,3	66,5 ± 17,5
Height (cm)	162,3 ± 14,9	166,0 ± 10,1
BMI (kg/m2)	26,7 ± 6,3	24,0 ± 5,0
Outpatient (o)/Ward (w)		
Outpatient(o)	-	142 (5,67%)
Ward (w)	20 (100%)	2340 (93,4%)
Missing	-	24 (0,96%)
Goal of Therapy		
Curative	17 (85,0%)	1449 (57,8%)
Palliative	3 (15,0%)	849 (33,9%)
Terminal	-	122 (4,87%)
Missing	-	86 (3,43%)
Reason for admission		
Clinical diagnostics	5 (25,0%)	295 (11,8%)
Therapy	-	1236 (49,3%)
Surgery related	2 (10,0%)	492 (19,6%)
Treatment complications	9 (45,0%)	267 (10,7%)
Poor health status	4 (20,0%)	334 (13,3%)
Independent care difficult	-	22 (0,88%)
Missing	-	-
Present cancer diagnosis		
Breast	1 (5,00%)	162 (6,46%)
Colon, rectum	2 (10,0%)	417 (16,6%)
Prostate	-	65 (2,59%)
Lung	5 (25,0%)	237 (9,46%)
Skin	1 (5,00%)	19 (0,76%)
Kidney/bladder	1 (5,00%)	94 (3,75%)
Gastric/oesophageal	1 (5,00%)	291 (11,6%)
Pancreas	1 (5,00%)	123 (4,91%)
Lymphoma	-	246 (9,82%)
Ears nose throat (ENT)	1 (5,00%)	109 (4,35%)
Leukaemia	2 (10,0%)	205 (8,18%)
Genital tract	-	107 (4,27%)

Liver	-	189 (7,54%)
Sarcoma	-	27 (1,08%)
Brain	-	37 (1,48%)
Testicular	1 (5,00%)	9 (0,36%)
Other	4 (20,0%)	229 (9,14%)
Missing	-	51 (2,04%)

Time since diagnosis

0-2 months	4 (20,0%)	811 (32,4%)
3-5 months	1 (5,00%)	426 (17,0%)
6-12 months	2 (10,0%)	398 (15,9%)
1-2 years	4 (20,0%)	333 (13,3%)
2-4 years	4 (20,0%)	214 (8,54%)
> 4 years	5 (25,0%)	208 (8,30%)
Missing	-	86 (3,43%)

Cancer staging

0=Carcinoma in situ	3 (15,0%)	103 (4,11%)
I=Localized	2 (10,0%)	503 (20,1%)
II=Early locally advanced	3 (15,0%)	487 (19,4%)
III=Late locally advanced	3 (15,0%)	370 (14,8%)
IV=Metastasised	9 (45,0%)	704 (28,1%)
Missing	-	339 (13,5%)

Time since first therapy start

No therapy	1 (5,00%)	238 (9,50%)
Tumour staging/diagnosis	4 (20,0%)	221 (8,82%)
0-2 months	-	747 (29,8%)
3-5 months	1 (5,00%)	342 (13,6%)
6-12 months	3 (15,0%)	360 (14,4%)
1-2 years	2 (10,0%)	265 (10,6%)
2-4 years	4 (20,0%)	166 (6,62%)
> 4 years	5 (25,0%)	191 (7,62%)
Missing	-	69 (2,75%)

Therapy situation

Diagnosis	3 (15,0%)	248 (9,90%)
Chemotherapy 1st line	3 (15,0%)	541 (21,6%)
Chemotherapy > 1st line	2 (10,0%)	420 (16,8%)
Radiotherapy	-	229 (9,14%)
Target therapy	-	77 (3,07%)
Hormone therapy	-	22 (0,88%)
Palliative	-	249 (9,94%)
Surgery	5 (25,0%)	681 (27,2%)

Cancer related complications	5 (25,0%)	187 (7,46%)
Therapy related complications	1 (5,00%)	101 (4,03%)
Missing	1 (5,00%)	71 (2,83%)

Infections

None	17 (85,0%)	1857 (74,1%)
Local	3 (15,0%)	352 (14,0%)
General	-	215 (8,58%)
Missing	-	82 (3,27%)

Nutrition Treatment

No special diet	11 (55,0%)	1058 (42,2%)
Individualized diet plan	2 (10,0%)	709 (28,3%)
Energy rich/protein rich ONS	1 (5,00%)	443 (17,7%)
Enteral nutrition (via NGT/PEG)	1 (5,00%)	131 (5,23%)
Parenteral nutrition	2 (10,0%)	279 (11,1%)
ONS enriched with special nutrients	2 (10,0%)	72 (2,87%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	39 (1,56%)
Personal preferences	1 (5,00%)	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:	20	2484
Body weight prior to becoming ill	70 [58-143]	70 [22-180]
Actual body weight	67 [50-143]	64 [21-175]
Change in weight was		
Intentional	-	99 (3,95%)
Unintentional	10 (50,0%)	1609 (64,2%)
Weight is stable	10 (50,0%)	389 (15,5%)
Missing	-	84 (3,35%)
During the last week		
Patients who have had pain:		
Not at all	2 (10,0%)	828 (33,0%)
A little	8 (40,0%)	711 (28,4%)
Quite a bit	5 (25,0%)	469 (18,7%)
Very much	5 (25,0%)	265 (10,6%)
Missing	-	198 (7,90%)
Patients who needed a rest:		
Not at all	2 (10,0%)	560 (22,3%)
A little	5 (25,0%)	694 (27,7%)
Quite a bit	6 (30,0%)	606 (24,2%)
Very much	7 (35,0%)	394 (15,7%)
Missing	-	212 (8,46%)
Patients who felt weak:		
Not at all	2 (10,0%)	543 (21,7%)
A little	4 (20,0%)	715 (28,5%)
Quite a bit	5 (25,0%)	605 (24,1%)
Very much	8 (40,0%)	407 (16,2%)
Missing	1 (5,00%)	203 (8,10%)
Patients who felt depressed:		
Not at all	7 (35,0%)	900 (35,9%)
A little	10 (50,0%)	776 (31,0%)
Quite a bit	1 (5,00%)	359 (14,3%)
Very much	2 (10,0%)	208 (8,30%)
Missing	-	207 (8,26%)
Patients who were tired:		

Not at all	3 (15,0%)	558 (22,3%)
A little	5 (25,0%)	769 (30,7%)
Quite a bit	6 (30,0%)	563 (22,5%)
Very much	6 (30,0%)	376 (15,0%)
Missing	-	204 (8,14%)

Patients whose pain interfered with their daily activities:

Not at all	3 (15,0%)	953 (38,0%)
A little	7 (35,0%)	567 (22,6%)
Quite a bit	6 (30,0%)	418 (16,7%)
Very much	4 (20,0%)	300 (12,0%)
Missing	-	221 (8,82%)

Patients who lacked appetite:

Not at all	2 (10,0%)	881 (35,2%)
A little	6 (30,0%)	617 (24,6%)
Quite a bit	4 (20,0%)	431 (17,2%)
Very much	8 (40,0%)	322 (12,8%)
Missing	-	218 (8,70%)

Just now

Patients who have pain:

Not at all	7 (35,0%)	993 (39,6%)
A little	9 (45,0%)	814 (32,5%)
Quite a bit	3 (15,0%)	359 (14,3%)
Very much	1 (5,00%)	106 (4,23%)
Missing	-	205 (8,18%)

Patients who need a rest:

Not at all	2 (10,0%)	513 (20,5%)
A little	8 (40,0%)	832 (33,2%)
Quite a bit	2 (10,0%)	605 (24,1%)
Very much	8 (40,0%)	307 (12,3%)
Missing	-	210 (8,38%)

Patients who feel weak:

Not at all	2 (10,0%)	562 (22,4%)
A little	6 (30,0%)	807 (32,2%)
Quite a bit	2 (10,0%)	594 (23,7%)
Very much	10 (50,0%)	296 (11,8%)
Missing	-	210 (8,38%)

Patients who are depressed:

Not at all	8 (40,0%)	1027 (41,0%)
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A little	8 (40,0%)	763 (30,4%)
Quite a bit	1 (5,00%)	321 (12,8%)
Very much	2 (10,0%)	140 (5,59%)
Missing	-	209 (8,34%)

Patients who are tired:

Not at all	1 (5,00%)	606 (24,2%)
A little	8 (40,0%)	871 (34,8%)
Quite a bit	1 (5,00%)	496 (19,8%)
Very much	10 (50,0%)	280 (11,2%)
Missing	-	215 (8,58%)

Patients whose pain interferes with their daily activities:

Not at all	5 (25,0%)	961 (38,3%)
A little	7 (35,0%)	631 (25,2%)
Quite a bit	4 (20,0%)	418 (16,7%)
Very much	4 (20,0%)	233 (9,30%)
Missing	-	221 (8,82%)

Patients who lack appetite:

Not at all	3 (15,0%)	907 (36,2%)
A little	5 (25,0%)	637 (25,4%)
Quite a bit	3 (15,0%)	430 (17,2%)
Very much	8 (40,0%)	278 (11,1%)
Missing	1 (5,00%)	217 (8,66%)

Reasons for change in appetite/food intake

Nausea/Vomiting	6 (30,0%)	434 (17,3%)
Inflammation in mouth	-	145 (5,79%)
Pain	-	332 (13,2%)
Constipation	-	197 (7,86%)
Diarrhea	-	129 (5,15%)
Change in taste/smell	1 (5,00%)	326 (13,0%)
Early satiation/Loss of appetite	3 (15,0%)	604 (24,1%)
Other	3 (15,0%)	427 (17,0%)
Missing	6 (30,0%)	93 (3,71%)

Maximum activity performed by patients

Able to do sports	-	96 (3,83%)
Fully active	6 (30,0%)	356 (14,2%)
Able to carry out light activities	6 (30,0%)	508 (20,3%)
Able to carry out self care	2 (10,0%)	623 (24,9%)
Able to carry out limited self care	2 (10,0%)	371 (14,8%)
Confined to bed or chair	3 (15,0%)	333 (13,3%)

Missing	1 (5,00%)	196 (7,82%)
Patient takes additional (without prescription)		
Nothing	14 (70,0%)	1595 (63,6%)
Herbal tea	4 (20,0%)	237 (9,46%)
Nutritional supplements	2 (10,0%)	214 (8,54%)
Multivitamin	1 (5,00%)	81 (3,23%)
Other medication	-	92 (3,67%)
Other	1 (5,00%)	127 (5,07%)
Missing	-	253 (10,1%)
Additional activities performed		
Nothing	15 (75,0%)	1750 (69,8%)
Psychotherapy	-	53 (2,11%)
Yoga	-	25 (1,00%)
Meditation	2 (10,0%)	103 (4,11%)
Progressive muscle relaxation	-	40 (1,60%)
Qigong	-	8 (0,32%)
Other	1 (5,00%)	261 (10,4%)
Missing	2 (10,0%)	300 (12,0%)
Patients having difficulties in complying with treatment		
	4 (20,0%)	542 (21,6%)
Patients needing help to complete questionnaire		
	16 (80,0%)	1313 (52,4%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:		
	13 (65,0%)	1505 (60,1%)