



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:	23
Number of patients who gave consent:	904
Number of patients completing Sheet 3a:	877
Number of patients completing Sheet 3b:	874
Number of cancer patients:	234
Number of patients completing Sheet 2_onco:	177
Number of patients completing Sheet 3_onco:	177
Number of patients with 30-day outcome assessment:	564

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	2000 [1287-3156]	317 [188-615]
2. Total number of admissions in the hospital last year	100866 [68143-135279]	17520 [8982-34767]
3. Total number of staff in the hospital		
Total medical doctors	536 [419-768]	170 [78-396]
Medical specialists	406 [340-471]	117 [54-244]
Medical non-specialists	26	35 [11-82]
Nurses	927 [840-1131]	418 [195-800]
Dieticians	3 [2-3]	5 [2-9]
Nutritionists	2 [1-3]	1 [0-4]
Pharmacists	80 [75-86]	7 [4-22]
Kitchen staff	18 [14-21]	30 [14-55]
Full time equivalent		
Total medical doctors	294	139 [60-368]
Medical specialists	268	98 [48-245]
Medical non-specialists	26	34 [11-87]
Nurses	835	350 [187-778]
Dieticians	1	4 [2-8]
Nutritionists	-	1 [0-3]
Pharmacists	56	6 [3-18]
Kitchen staff	1	27 [14-50]
4. Does the hospital have a nutrition care strategy?	4 (100%) Yes	351 (78.7%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	4 (80.0%) Yes	298 (66.8%) Yes
Nutrition steering committee is available	3 (60.0%) Yes	280 (62.8%) Yes
Quality indicators are recorded and reported to national or regional level	2 (40.0%) Yes	193 (43.3%) Yes
Quality indicators are used for internal benchmarking	3 (60.0%) Yes	235 (52.7%) Yes
Patient feedback about food and food service is collected using a questionnaire	3 (60.0%) Yes	337 (75.6%) Yes
None	1 (20.0%) Yes	19 (4.3%) Yes
No answer given	1 (20.0%)	-
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	3 (60.0%) Yes	216 (48.4%) Yes
Oral nutrition supplements	2 (40.0%) Yes	165 (37.0%) Yes

Parenteral nutrition	3 (60.0%) Yes	255 (57.2%) Yes
Enteral nutrition	4 (80.0%) Yes	224 (50.2%) Yes
Dietary counseling	2 (40.0%) Yes	166 (37.2%) Yes
Specific dietary interventions	4 (80.0%) Yes	119 (26.7%) Yes
Screening for malnutrition	2 (40.0%) Yes	119 (26.7%) Yes
Risk of malnutrition	2 (40.0%) 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	3 (60.0%) Yes	188 (42.2%) Yes
Oral nutrition supplements	2 (40.0%) Yes	143 (32.1%) Yes
Parenteral nutrition	3 (60.0%) Yes	233 (52.2%) Yes
Enteral nutrition	4 (80.0%) Yes	205 (46.0%) Yes
Dietary counseling	2 (40.0%) Yes	140 (31.4%) Yes
Specific dietary interventions	3 (60.0%) Yes	105 (23.5%) Yes
Screening for malnutrition	2 (40.0%) Yes	95 (21.3%) Yes
Risk of malnutrition	2 (40.0%) 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	-	19.3%
Internal Medicine / Cardiology	-	4.5%
Internal Medicine / Gastroenterology & hepatology	3 (13.0%)	6.3%
Internal Medicine / Geriatrics	-	7.9%
Internal Medicine / Infectious diseases	-	0.5%
Internal Medicine / Nephrology	-	1.3%
Internal Medicine / Oncology (incl. radiotherapy)	2 (8.7%)	7.2%
Interdisciplinary	-	3.3%
Long term care	-	2.0%
Neurology	1 (4.3%)	3.6%
Surgery / General	8 (34.8%)	13.5%
Surgery/ Cardiac/Vascular/Thoracic	1 (4.3%)	2.1%
Surgery / Neurosurgery	2 (8.7%)	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	6 (26.1%)	16.1%
2. Number of registered inpatients at noon	39 [20-94]	24 [18-31]
3. Total bed capacity of the unit	61 [23-99]	30 [24-38]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	10 [5-21]	3 [2-7]
Nurses	11 [7-20]	5 [3-8]
Nursing aides	0 [0-0]	2 [1-3]
Dieticians	0 [0-0]	1 [0-1]
Nutritionists	0 [0-0]	0 [0-1]
Administrative staff	1 [1-1]	1 [0-1]
Other staff involved in patient care	0 [0-0]	1 [0-2]
In training		
Medical doctors	3 [1-6]	1 [0-3]
Medical students	0 [0-2]	0 [0-2]
Nurses	1 [1-2]	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? 13 (100%) Yes 705 (76.4%) Yes

6. Does the unit have a nutrition care strategy? 7 (53.8%) Yes 678 (73.5%) Yes

7. Is there a person in your unit responsible for nutrition care? 2 (15.4%) Yes 644 (69.8%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 4 (22.2%) Yes 831 (90.0%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 3 (23.1%) 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	3 (13.0%) Yes	77 (7.9%) Yes
Weighing / BMI only	2 (8.7%) Yes	141 (14.5%) Yes
Nutritional Risk Screening (NRS) 2002	13 (56.5%) 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	5 (21.7%)	47 (4.8%)

During hospital stay

No routine monitoring	3 (13.0%) Yes	88 (9.1%) Yes
No fixed criteria	-	77 (7.9%) Yes
Experience / visual assessment only	6 (26.1%) Yes	174 (17.9%) Yes
Weighing / BMI only	7 (30.4%) Yes	313 (32.3%) Yes
Other formal tool	2 (8.7%) Yes	251 (25.9%) Yes
I do not know	-	20 (2.1%) Yes
Missing	5 (21.7%)	47 (4.8%)

11a. Do you routinely use guidelines or standards for nutrition care? 12 (92.3%) Yes 724 (80.0%) Yes

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

International guidelines	2 (16.7%) Yes	186 (25.7%) Yes
National guidelines	6 (50.0%) 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	4 (33.3%) 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	9 (39.1%) Yes	281 (29.0%) Yes
Discuss nutrition care activities during ward rounds	1 (4.3%) Yes	430 (44.3%) Yes
Develop an individual nutrition care plan	2 (8.7%) Yes	509 (52.5%) Yes
Initiate treatment / nutrition intervention	4 (17.4%) Yes	582 (60.0%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	3 (13.0%) Yes	592 (61.0%) Yes
Consult a medical professional	3 (13.0%) Yes	383 (39.5%) Yes
Calculate energy requirements	2 (8.7%) Yes	479 (49.4%) Yes
Calculate protein requirements	2 (8.7%) Yes	466 (48.0%) Yes

Malnourished

Watchful waiting	-	196 (20.2%) Yes
Discuss nutrition care activities during ward rounds	10 (43.5%) Yes	462 (47.6%) Yes
Develop an individual nutrition care plan	12 (52.2%) Yes	541 (55.8%) Yes
Initiate treatment / nutrition intervention	10 (43.5%) Yes	624 (64.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	11 (47.8%) Yes	581 (59.9%) Yes
Consult a medical professional	9 (39.1%) Yes	411 (42.4%) Yes
Calculate energy requirements	9 (39.1%) Yes	537 (55.4%) Yes
Calculate protein requirements	9 (39.1%) Yes	522 (53.8%) Yes

Every patient

Watchful waiting	3 (13.0%) Yes	483 (49.8%) Yes
Discuss nutrition care activities during ward rounds	2 (8.7%) Yes	258 (26.6%) Yes
Develop an individual nutrition care plan	-	184 (19.0%) Yes
Initiate treatment / nutrition intervention	-	135 (13.9%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	-	185 (19.1%) Yes
Consult a medical professional	-	209 (21.5%) Yes
Calculate energy requirements	2 (8.7%) Yes	123 (12.7%) Yes
Calculate protein requirements	2 (8.7%) Yes	113 (11.6%) Yes

Never

Watchful waiting	1 (4.3%) 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 (8.7%) 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	-	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	18 (78.3%) Yes	625 (64.4%) Yes
Within 24 hours	-	142 (14.6%) Yes
Within 48 hours	-	54 (5.6%) Yes
Within 72 hours	-	27 (2.8%) Yes
Every week	17 (73.9%) Yes	393 (40.5%) Yes
Occasionally	1 (4.3%) Yes	109 (11.2%) Yes
When requested	5 (21.7%) Yes	483 (49.8%) Yes
At discharge	4 (17.4%) 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	11 (47.8%) Yes	730 (75.3%) Yes
Offer meal choices	15 (65.2%) Yes	711 (73.3%) Yes
Offer different portion sizes	2 (8.7%) Yes	635 (65.5%) Yes
Consider food presentation	2 (8.7%) Yes	356 (36.7%) Yes
Change food texture/consistency as needed	8 (34.8%) Yes	797 (82.2%) Yes
Consider patient problems with eating and drinking	9 (39.1%) Yes	793 (81.8%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	8 (34.8%) Yes	218 (22.5%) Yes
Promote positive eating environment	3 (13.0%) Yes	281 (29.0%) Yes
Consider cultural/religious preferences	3 (13.0%) Yes	559 (57.6%) Yes
Consider patient allergies / intolerances	7 (30.4%) Yes	650 (67.0%) Yes
Other	-	74 (7.6%) Yes
I do not know	1 (4.3%) Yes	19 (2.0%) Yes
No answer given	5 (21.7%)	48 (4.9%)

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

Nutrition training is available	10 (43.5%) Yes	558 (57.5%) Yes
Reporting of nutrition related information to hospital managers	3 (13.0%) Yes	408 (42.1%) Yes
Quality indicators are recorded and reported to national or regional level	1 (4.3%) Yes	302 (31.1%) Yes
Quality indicators are used for internal benchmarking	9 (39.1%) Yes	358 (36.9%) Yes
Patient feedback about food and food service is collected using a questionnaire	4 (17.4%) Yes	625 (64.4%) Yes
None	1 (4.3%) Yes	32 (3.3%) Yes
I do not know	-	38 (3.9%) Yes
No answer given	10 (43.5%)	68 (7.0%)

16. At admission what is asked and documented?

Change in weight	11 (47.8%) Yes	775 (79.9%) Yes
Eating habits/difficulties	12 (52.2%) Yes	746 (76.9%) Yes
Nutrition before admission	11 (47.8%) Yes	592 (61.0%) Yes
None	-	15 (1.5%) Yes
I do not know	-	20 (2.1%) Yes
No answer given	10 (43.5%)	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	13 (56.5%) Yes	708 (73.0%) Yes
nutrition treatment	7 (30.4%) Yes	582 (60.0%) Yes
None	1 (4.3%) Yes	54 (5.6%) Yes
I do not know	1 (4.3%) Yes	26 (2.7%) Yes

b. Discharge Letter ...

summarizes nutrition treatment received during stay	3 (13.0%) Yes	407 (42.0%) Yes
makes future nutrition-related recommendations	11 (47.8%) Yes	572 (59.0%) Yes
None	-	110 (11.3%) Yes
I do not know	1 (4.3%) Yes	69 (7.1%) Yes

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	7 (53.8%) Yes	356 (44.8%) Yes
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19. Who filled in this sheet?

Head staff	-	281 (29.0%) Yes
Dietician	-	517 (53.3%) Yes
Nurse	5 (21.7%) Yes	279 (28.8%) Yes
Physician	9 (39.1%) Yes	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	904	17827
Age	59 [48-68]	67 [53-78]
Female	359 (39.7%)	8951 (50.2%)
Weight	63.1±12.2	70.1±19.2
Height	166±8	165±10
BMI	22.9±3.7	25.5±6.0

1. This hospital admission was...

planned	725 (80.2%)	6798 (38.1%)
an emergency	129 (14.3%)	9562 (53.6%)
I do not know	50 (5.5%)	1467 (8.2%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	9 (1.00%)	1555 (8.7%)
0200 Neoplasms	303 (33.5%)	3133 (17.6%)
0300 Blood and bloodforming organs and the immune mechanism	11 (1.2%)	1159 (6.5%)
0400 Endocrine, nutritional and metabolic diseases	57 (6.3%)	2190 (12.3%)
0500 Mental health	6 (0.66%)	851 (4.8%)
0600 Nervous system	79 (8.7%)	1636 (9.2%)
0700 Eye and adnexa	-	236 (1.3%)
0800 Ear and mastoid process	-	127 (0.71%)
0900 Circulatory system	119 (13.2%)	3801 (21.3%)
1000 Respiratory system	80 (8.8%)	2810 (15.8%)
1100 Digestive system	482 (53.3%)	4343 (24.4%)
1200 Skin and subcutaneous tissue	15 (1.7%)	786 (4.4%)
1300 Musculoskeletal system and connective tissue	38 (4.2%)	2703 (15.2%)
1400 Genitourinary system	42 (4.6%)	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	-	31 (0.17%)
1800 Symptoms, signs, abnormal clinical/lab findings	23 (2.5%)	816 (4.6%)
1900 Injury, poisoning	15 (1.7%)	512 (2.9%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	8 (0.88%)	379 (2.1%)
2100 Factors influencing health status and contact with health services	-	619 (3.5%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	46 (5.1%)	3518 (22.5%)
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Myocardial infarction	10 (1.1%)	823 (5.4%)
Chronic lung disease	40 (4.5%)	2299 (14.8%)
Cerebral vascular disease	83 (9.2%)	1523 (9.9%)
Peripheral vascular disease	22 (2.5%)	1931 (12.6%)
Chronic liver disease	47 (5.3%)	992 (6.5%)
Chronic kidney disease	17 (1.9%)	1734 (11.3%)
Diabetes	77 (8.6%)	3888 (24.9%)
Cancer	234 (26.1%)	3763 (24.2%)
Infection	84 (9.3%)	2245 (14.5%)
Dementia	2 (0.22%)	798 (5.2%)
Major depressive disorder	1 (0.11%)	853 (5.6%)
Other chronic mental disorder	3 (0.33%)	815 (5.4%)
Other chronic disease	83 (9.3%)	4031 (25.9%)
None	358 (39.6%)	3008 (16.9%)

4a. Previous operation during this hospital stay

Yes, planned	306 (33.8%)	3584 (20.1%)
Yes, acute	26 (2.9%)	1077 (6.0%)
No	465 (51.4%)	12545 (70.4%)
I do not know	2 (0.22%)	230 (1.3%)
Missing	105 (11.6%)	391 (2.2%)

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

Yes, today or tomorrow	102 (11.3%)	1266 (7.1%)
Yes, later	105 (11.6%)	953 (5.3%)
No	482 (53.3%)	13798 (77.4%)
I do not know	15 (1.7%)	833 (4.7%)
Missing	200 (22.1%)	977 (5.5%)

5. Previous ICU admission during this hospital stay? (Yes)	90 (11.0%)	1781 (10.0%)
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6. Is this patient terminally ill?	52 (5.8%)	1122 (6.3%)
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7. Fluid status

Normal	811 (89.7%)	13668 (76.7%)
Overloaded	7 (0.77%)	1008 (5.7%)
Dehydrated	30 (3.3%)	878 (4.9%)
I do not know	56 (6.2%)	2273 (12.8%)
Missing	-	-

8. Number of different medications planned

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

Malnourished	91 (10.1%)	2050 (11.5%)
At risk	193 (21.3%)	3162 (17.7%)
No	587 (64.9%)	11117 (62.4%)
I do not know	33 (3.7%)	1498 (8.4%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	502 (55.5%)	6470 (36.3%)
5% Glucose solution	289 (32.0%)	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	577 (63.8%)	10454 (58.6%)
Fortified/enriched hospital food	125 (13.8%)	1962 (11.0%)
Protein/energy supplement (e.g. ONS drinks)	103 (11.4%)	2469 (13.8%)
Enteral nutrition	126 (13.9%)	882 (4.9%)
Parenteral nutrition	118 (13.1%)	929 (5.2%)
Special diet	25 (2.8%)	5732 (32.2%)
None	138 (15.3%)	895 (5.0%)

13a. All lines and Tubes

Central Venous	180 (22.1%)	1535 (8.6%)
Peripheral venous access	394 (48.3%)	8238 (46.2%)
Nasogastric	58 (7.1%)	462 (2.6%)
Nasojejunal	28 (3.4%)	79 (0.44%)
Nasoduodenal	6 (0.74%)	67 (0.38%)
Enterostoma	9 (1.1%)	82 (0.46%)
Percutaneous endoscopy/surgical gastrostomy	1 (0.12%)	137 (0.77%)
Percutaneous endoscopy/surgical jejunostomy	6 (0.74%)	63 (0.35%)
None	303 (33.5%)	8032 (45.1%)

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

Yes, previously	11 (1.2%)	247 (1.4%)
Yes, ongoing	28 (3.1%)	173 (0.97%)
No	716 (79.2%)	14548 (81.6%)
I do not know	16 (1.8%)	1646 (9.2%)
Missing	133 (14.7%)	1213 (6.8%)

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

Energy requirements were determined	477 (58.5%)	6273 (35.2%)
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Protein requirements were determined	435 (53.4%)	5516 (30.9%)
Food/Nutrition intake was recorded in the patient record	284 (34.8%)	7653 (42.9%)
Nutrition treatment plan was developed	254 (31.2%)	6036 (33.9%)
Nutrition expert was consulted	210 (25.8%)	6237 (35.0%)
Malnutrition status is recorded in the patient record	221 (27.1%)	5297 (29.7%)
None	-	-

15a. Energy goal

< 500 kcal	49 (5.4%)	749 (4.2%)
500-999 kcal	40 (4.4%)	194 (1.1%)
1000-1499 kcal	275 (30.4%)	1695 (9.5%)
1500-1999 kcal	251 (27.8%)	5578 (31.3%)
>=2000 kcal	20 (2.2%)	1992 (11.2%)
Not determined	107 (11.8%)	6066 (34.0%)
I do not know	73 (8.1%)	1515 (8.5%)
Missing	89 (9.8%)	38 (0.21%)

15b. Energy intake

< 500 kcal	81 (9.0%)	1264 (7.1%)
500-999 kcal	71 (7.9%)	900 (5.0%)
1000-1499 kcal	283 (31.3%)	2387 (13.4%)
1500-1999 kcal	193 (21.3%)	3954 (22.2%)
>=2000 kcal	9 (1.00%)	1047 (5.9%)
Not determined	112 (12.4%)	6021 (33.8%)
I do not know	66 (7.3%)	2199 (12.3%)
Missing	89 (9.8%)	55 (0.31%)

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

Improved	505 (55.9%)	8831 (49.5%)
Deteriorated	14 (1.5%)	1039 (5.8%)
Remained the same	223 (24.7%)	4935 (27.7%)
This patient has just been admitted	52 (5.8%)	1248 (7.0%)
I do not know	21 (2.3%)	1774 (10.0%)
Missing	89 (9.8%)	-

Length of hospital stay (days)	12 [7-21]	12 [6-24]
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Outcome Code

1= Still in the hospital	30 (3.3%)	1702 (9.5%)
2= Transferred to another hospital	7 (0.77%)	419 (2.4%)
3= Transferred to long term care	-	780 (4.4%)
4= Rehabilitation	200 (22.1%)	785 (4.4%)
5= Discharged home	324 (35.8%)	13163 (73.8%)
6= Death	1 (0.11%)	535 (3.0%)

7= Others	2 (0.22%)	310 (1.7%)
Missing	340 (37.6%)	133 (0.75%)
Readmitted since ND		
1= No	393 (73.9%)	11846 (75.5%)
2= Yes, same hospital planned	86 (16.2%)	1043 (6.7%)
3= Yes, same hospital unplanned	7 (1.3%)	889 (5.7%)
4= Yes, different hospital planned	2 (0.38%)	68 (0.43%)
5= Yes, different hospital unplanned	2 (0.38%)	68 (0.43%)
6= Unknown	2 (0.38%)	646 (4.1%)
Missing	40 (7.5%)	1059 (6.8%)

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

	YOUR RESULTS	REFERENCE RESULTS
1. What are your typical dietary habits?		
No special dietary habits	675 (77.0%)	12235 (71.0%)
I am vegetarian	21 (2.4%)	370 (2.1%)
I adhere to a vegan diet	15 (1.7%)	132 (0.77%)
I eat gluten-free diet	3 (0.34%)	156 (0.91%)
I avoid added sugars	32 (3.6%)	2604 (15.1%)
I avoid carbohydrates	4 (0.46%)	1038 (6.0%)
I eat a low fat-diet	22 (2.5%)	1930 (11.2%)
I am lactose intolerant	2 (0.23%)	572 (3.3%)
Other special diet due to intolerances/allergies	4 (0.46%)	323 (1.9%)
Other	50 (5.7%)	1219 (7.1%)
No answer given	88 (10.0%)	337 (2.0%)
2. Where did you live before your current hospital admission?		
At home	734 (83.7%)	15276 (88.7%)
In a nursing home or other live-in facility	1 (0.11%)	609 (3.5%)
I was transferred from another hospital	48 (5.5%)	883 (5.1%)
Other	6 (0.68%)	268 (1.6%)
Missing	88 (10.0%)	185 (1.1%)
3. In general, are you able to walk?		
Yes	691 (78.8%)	11104 (64.5%)
Yes, with someone's help	48 (5.5%)	1762 (10.2%)
Yes, independently using a cane, walker, or crutches	16 (1.8%)	2412 (14.0%)
No, I have a wheelchair	5 (0.57%)	712 (4.1%)
No, I am bedridden	23 (2.6%)	988 (5.7%)
Missing	94 (10.7%)	243 (1.4%)
4. In general, how would you say your health is?		
Very good	32 (3.6%)	1252 (7.3%)
Good	232 (26.5%)	6191 (36.0%)
Fair	406 (46.3%)	6489 (37.7%)
Poor	103 (11.7%)	2490 (14.5%)
Very poor	13 (1.5%)	558 (3.2%)
Missing	91 (10.4%)	241 (1.4%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	1 [0-3]	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 [0-15]	5 [0-15]

6. How many different medications do you take routinely each day (prior to hospitalisation)?		
1-2	269 (30.7%)	3323 (19.3%)
3-5	133 (15.2%)	4698 (27.3%)
More than 5	31 (3.5%)	5507 (32.0%)
None	289 (33.0%)	2633 (15.3%)
I do not know	59 (6.7%)	778 (4.5%)
Missing	96 (10.9%)	282 (1.6%)

7. Do you have health insurance?		
Yes, private insurance only	46 (5.2%)	2738 (15.9%)
Yes, public insurance only	543 (61.9%)	8466 (49.2%)
Yes, both	97 (11.1%)	2117 (12.3%)
None	72 (8.2%)	2268 (13.2%)
I prefer not to answer	20 (2.3%)	1018 (5.9%)
Missing	99 (11.3%)	614 (3.6%)

8. What was your weight 5 years ago?		
	65 [56-70]	72 [60-85]
I do not know	293 (33.4%)	4280 (24.9%)

9a. Have you lost weight within the last 3 months?		
Yes, intentionally	184 (21.0%)	1639 (9.5%)
Yes, unintentionally	136 (15.5%)	6488 (37.7%)
No, my weight stayed the same	411 (46.9%)	5108 (29.7%)
No, I gained weight	34 (3.9%)	1894 (11.0%)
I do not know	101 (11.5%)	1680 (9.8%)
Missing	11 (1.3%)	412 (2.4%)

9b. If yes, how many kg did you lose?		
	5 [3-10]	6 [4-10]
I do not know	68 (21.3%)	1267 (15.6%)

10. Did you know about your hospitalisation two days before admission? (Yes)		
	500 (66.7%)	6721 (41.1%)

11. Please indicate if you ...		
... were weighed at admission	744 (94.3%)	9728 (57.2%)
... were informed about your nutrition status	461 (58.6%)	5774 (34.3%)
... were informed about nutrition care options	294 (37.5%)	5459 (32.5%)
... received special nutrition care	225 (28.7%)	5054 (30.1%)

12. How well have you eaten in the week before you were admitted to the hospital?		
More than normal	17 (1.9%)	762 (4.5%)
Normal	529 (60.5%)	10449 (61.1%)
About 3/4 of normal	121 (13.8%)	1762 (10.3%)
About half of normal	129 (14.8%)	2122 (12.4%)

About a quarter to nearly nothing	62 (7.1%)	1571 (9.2%)
I do not know	4 (0.46%)	153 (0.89%)
Missing	12 (1.4%)	286 (1.7%)

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

Very satisfied	44 (5.0%)	4212 (24.6%)
Somewhat satisfied	317 (36.3%)	5626 (32.9%)
Neutral	190 (21.7%)	3361 (19.6%)
Dissatisfied	37 (4.2%)	1441 (8.4%)
Very dissatisfied	6 (0.69%)	491 (2.9%)
I do not know	164 (18.8%)	1415 (8.3%)
Missing	116 (13.3%)	559 (3.3%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	134 (15.3%)	1651 (9.7%)
Yes, from hospital staff	16 (1.8%)	1185 (6.9%)
No	596 (68.2%)	13278 (77.6%)
I do not know	16 (1.8%)	218 (1.3%)
Missing	112 (12.8%)	773 (4.5%)

15. Were you able to eat without interruption TODAY? (Yes)	479 (64.0%)	11891 (74.2%)
-------------------------------------------------------------------	-------------	---------------

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

About all	292 (33.4%)	7871 (46.0%)
1/2	223 (25.5%)	4261 (24.9%)
1/4	112 (12.8%)	2226 (13.0%)
Nothing	204 (23.3%)	1992 (11.6%)
Missing	43 (4.9%)	755 (4.4%)

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

Standard	378 (43.2%)	11000 (64.3%)
Smaller	205 (23.5%)	1600 (9.4%)
Larger	21 (2.4%)	763 (4.5%)
I do not know	136 (15.6%)	1701 (9.9%)
Missing	134 (15.3%)	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	72 (13.4%)	1293 (15.2%)
I did not like the smell/taste of the food	19 (3.5%)	996 (11.7%)
The food did not fit my cultural/religious preferences	1 (0.19%)	90 (1.1%)
The food was too hot	6 (1.1%)	38 (0.45%)
The food was too cold	4 (0.74%)	207 (2.4%)
Due to food allergy/intolerance	5 (0.93%)	53 (0.63%)
I was not hungry at that time	82 (15.2%)	1520 (17.9%)

I do not have my usual appetite	229 (42.5%)	2475 (29.2%)
I have problems chewing/swallowing	9 (1.7%)	478 (5.6%)
I normally eat less than what was served	21 (3.9%)	969 (11.4%)
I had nausea/vomiting	36 (6.7%)	637 (7.5%)
I was too tired	12 (2.2%)	506 (6.0%)
I cannot eat without help	-	141 (1.7%)
I was not allowed to eat	113 (21.0%)	869 (10.2%)
I had an exam, surgery, or test and missed my meal	40 (7.4%)	469 (5.5%)
I did not get requested food	8 (1.5%)	93 (1.1%)
No answer given	49 (9.1%)	1161 (13.7%)

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

Water	3 [2-4]	3 [2-5]
Tea	0 [0-0]	1 [1-3]
Coffee	0 [0-0]	1 [1-2]
Milk	0 [0-1]	1 [0-1]
Fruit juice	0 [0-0]	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? 365 (50.9%) 4518 (28.8%)

19b. If yes, what did you eat?

Sweet snacks	38 (10.4%)	1302 (28.8%)
Salty snacks	21 (5.8%)	512 (11.3%)
Homemade food	87 (23.8%)	703 (15.6%)
Fruits	198 (54.2%)	1730 (38.3%)
Dairy products	73 (20.0%)	471 (10.4%)
Food delivered/restaurant	29 (7.9%)	191 (4.2%)
Sandwich	2 (0.55%)	282 (6.2%)
Other	46 (12.6%)	724 (16.0%)

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

Increased	53 (6.1%)	2508 (14.7%)
Decreased	316 (36.2%)	5344 (31.2%)
Stayed the same	340 (38.9%)	7154 (41.8%)
I do not know	47 (5.4%)	1188 (6.9%)
Missing	118 (13.5%)	911 (5.3%)

21. TODAY I feel...

Stronger than at admission	280 (32.0%)	7275 (42.5%)
Weaker than at admission	175 (20.0%)	3158 (18.5%)
Same as at admission	344 (39.4%)	4825 (28.2%)

I was admitted today	44 (5.0%)	465 (2.7%)
I do not know	23 (2.6%)	926 (5.4%)
Missing	8 (0.92%)	456 (2.7%)

22. Can you walk without assistance TODAY?

Yes	689 (78.8%)	10229 (59.8%)
No, only with assistance	122 (14.0%)	4164 (24.3%)
No, I stay in bed	33 (3.8%)	1821 (10.6%)
Missing	30 (3.4%)	891 (5.2%)

23. Did anyone help you complete this questionnaire?	300 (38.3%)	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:	7	255
Computerized system in hospital:	7 units (100%) YES	243 units (95%) YES
Nutritional treatment of cancer patients is part of overall care plan	7 units (100%) YES	225 units (88%) YES
Nutritional treatment is considered...		
Routinely	5 (71,4%)	153 (60,0%)
When patient asks	1 (14,3%)	62 (24,3%)
When body weight loss > 10%	4 (57,1%)	72 (28,2%)
During palliative phase	2 (28,6%)	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	2 (28,6%)	9 (3,53%)
Nutritional therapy used for cancer patients		
Nutrition according to nutrition plan	3 (42,9%)	166 (65,1%)
Calculation of energy needs	5 (71,4%)	181 (71,0%)
Monitoring patients intake and use of oral supplements	1 (14,3%)	219 (85,9%)
None	-	7 (2,75%)
Other	-	12 (4,71%)
Missing	1 (14,3%)	5 (1,96%)
Nutritional therapy is not used due to		
Lack of evidence	-	3 (1,18%)
Lack of experience	1 (14,3%)	7 (2,75%)
No reimbursement	2 (28,6%)	3 (1,18%)
Lack of dietitians	1 (14,3%)	12 (4,71%)
Lack of other experts	-	3 (1,18%)
Other	1 (14,3%)	5 (1,96%)
Missing	-	1 (0,39%)
Assessment of parameters in cancer patients & methods used:		
Anthropometry/Body composition:		

Body weight

Regularly	3 (42,9%)	175 (68,6%)
At chemotherapy	4 (57,1%)	34 (13,3%)
When necessary	-	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	5 (71,4%)	95 (37,3%)
Never	1 (14,3%)	106 (41,6%)
Unknown	-	5 (1,96%)
Missing	1 (14,3%)	10 (3,92%)

BIA

Regularly	-	8 (3,14%)
At chemotherapy	-	3 (1,18%)
When necessary	4 (57,1%)	68 (26,7%)
Never	2 (28,6%)	156 (61,2%)
Unknown	-	9 (3,53%)
Missing	1 (14,3%)	11 (4,31%)

CT SCAN

Regularly	-	12 (4,71%)
At chemotherapy	1 (14,3%)	2 (0,78%)
When necessary	4 (57,1%)	71 (27,8%)
Never	1 (14,3%)	149 (58,4%)
Unknown	-	11 (4,31%)
Missing	1 (14,3%)	10 (3,92%)

DEXA

Regularly	-	3 (1,18%)
At chemotherapy	-	2 (0,78%)
When necessary	3 (42,9%)	44 (17,3%)
Never	3 (42,9%)	175 (68,6%)
Unknown	-	17 (6,67%)
Missing	1 (14,3%)	14 (5,49%)

Other (body composition)

Regularly	-	5 (1,96%)
At chemotherapy	-	1 (0,39%)
When necessary	3 (42,9%)	34 (13,3%)

Never	2 (28,6%)	84 (32,9%)
Unknown	-	39 (15,3%)
Missing	2 (28,6%)	92 (36,1%)

Body function:

Handgrip

Regularly	1 (14,3%)	12 (4,71%)
At chemotherapy	3 (42,9%)	6 (2,35%)
When necessary	-	77 (30,2%)
Never	3 (42,9%)	136 (53,3%)
Unknown	-	10 (3,92%)
Missing	-	14 (5,49%)

6-minutes walking test

Regularly	-	7 (2,75%)
At chemotherapy	3 (42,9%)	4 (1,57%)
When necessary	-	65 (25,5%)
Never	3 (42,9%)	149 (58,4%)
Unknown	-	12 (4,71%)
Missing	1 (14,3%)	18 (7,06%)

Other (body function)

Regularly	-	11 (4,31%)
At chemotherapy	-	1 (0,39%)
When necessary	3 (42,9%)	44 (17,3%)
Never	2 (28,6%)	99 (38,8%)
Unknown	-	36 (14,1%)
Missing	2 (28,6%)	64 (25,1%)

Nutritional requirements, calculated

Regularly	1 (14,3%)	78 (30,6%)
At chemotherapy	-	1 (0,39%)
When necessary	4 (57,1%)	127 (49,8%)
Never	-	14 (5,49%)
Unknown	-	3 (1,18%)
Missing	2 (28,6%)	32 (12,5%)

Nutritional intake:

Every meal

Regularly	1 (14,3%)	73 (28,6%)
At chemotherapy	-	2 (0,78%)
When necessary	5 (71,4%)	107 (42,0%)
Never	-	26 (10,2%)
Unknown	-	13 (5,10%)

Missing	1 (14,3%)	34 (13,3%)
1 meal per day		
Regularly	-	20 (7,84%)
At chemotherapy	-	2 (0,78%)
When necessary	5 (71,4%)	82 (32,2%)
Never	1 (14,3%)	49 (19,2%)
Unknown	-	17 (6,67%)
Missing	1 (14,3%)	85 (33,3%)
2 meals per day		
Regularly	-	20 (7,84%)
At chemotherapy	-	-
When necessary	5 (71,4%)	80 (31,4%)
Never	1 (14,3%)	51 (20,0%)
Unknown	-	16 (6,27%)
Missing	1 (14,3%)	88 (34,5%)
24h recall		
Regularly	1 (14,3%)	53 (20,8%)
At chemotherapy	-	6 (2,35%)
When necessary	4 (57,1%)	89 (34,9%)
Never	1 (14,3%)	34 (13,3%)
Unknown	-	14 (5,49%)
Missing	1 (14,3%)	59 (23,1%)
Other (nutritional intake)		
Regularly	-	6 (2,35%)
At chemotherapy	-	1 (0,39%)
When necessary	3 (42,9%)	38 (14,9%)
Never	1 (14,3%)	49 (19,2%)
Unknown	-	37 (14,5%)
Missing	3 (42,9%)	124 (48,6%)
Questionnaire completed by		
Dietitian	-	110 (43,1%)
Nurse	2 (28,6%)	66 (25,9%)
Physician	5 (71,4%)	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:	177	2506
Demographic data:		
Age (years)	62 [22-88]	65 [18-96]
Female gender	63 (35,6%)	1093 (43,6%)
Weight (kg)	63,1 ± 11,8	66,5 ± 17,5
Height (cm)	166,0 ± 8,0	166,0 ± 10,1
BMI (kg/m2)	22,8 ± 3,5	24,0 ± 5,0
Outpatient (o)/Ward (w)		
Outpatient(o)	-	142 (5,67%)
Ward (w)	177 (100%)	2340 (93,4%)
Missing	-	24 (0,96%)
Goal of Therapy		
Curative	136 (76,8%)	1449 (57,8%)
Palliative	37 (20,9%)	849 (33,9%)
Terminal	4 (2,26%)	122 (4,87%)
Missing	-	86 (3,43%)
Reason for admission		
Clinical diagnostics	35 (19,8%)	295 (11,8%)
Therapy	111 (62,7%)	1236 (49,3%)
Surgery related	58 (32,8%)	492 (19,6%)
Treatment complications	3 (1,69%)	267 (10,7%)
Poor health status	2 (1,13%)	334 (13,3%)
Independent care difficult	-	22 (0,88%)
Missing	-	-
Present cancer diagnosis		
Breast	6 (3,39%)	162 (6,46%)
Colon, rectum	28 (15,8%)	417 (16,6%)
Prostate	2 (1,13%)	65 (2,59%)
Lung	28 (15,8%)	237 (9,46%)
Skin	-	19 (0,76%)
Kidney/bladder	-	94 (3,75%)
Gastric/oesophageal	37 (20,9%)	291 (11,6%)
Pancreas	15 (8,47%)	123 (4,91%)
Lymphoma	8 (4,52%)	246 (9,82%)
Ears nose throat (ENT)	3 (1,69%)	109 (4,35%)
Leukaemia	-	205 (8,18%)
Genital tract	1 (0,56%)	107 (4,27%)

Liver	38 (21,5%)	189 (7,54%)
Sarcoma	1 (0,56%)	27 (1,08%)
Brain	-	37 (1,48%)
Testicular	-	9 (0,36%)
Other	17 (9,60%)	229 (9,14%)
Missing	1 (0,56%)	51 (2,04%)

Time since diagnosis

0-2 months	84 (47,5%)	811 (32,4%)
3-5 months	26 (14,7%)	426 (17,0%)
6-12 months	15 (8,47%)	398 (15,9%)
1-2 years	14 (7,91%)	333 (13,3%)
2-4 years	32 (18,1%)	214 (8,54%)
> 4 years	6 (3,39%)	208 (8,30%)
Missing	-	86 (3,43%)

Cancer staging

0=Carcinoma in situ	14 (7,91%)	103 (4,11%)
I=Localized	57 (32,2%)	503 (20,1%)
II=Early locally advanced	35 (19,8%)	487 (19,4%)
III=Late locally advanced	29 (16,4%)	370 (14,8%)
IV=Metastasised	41 (23,2%)	704 (28,1%)
Missing	1 (0,56%)	339 (13,5%)

Time since first therapy start

No therapy	16 (9,04%)	238 (9,50%)
Tumour staging/diagnosis	25 (14,1%)	221 (8,82%)
0-2 months	51 (28,8%)	747 (29,8%)
3-5 months	17 (9,60%)	342 (13,6%)
6-12 months	19 (10,7%)	360 (14,4%)
1-2 years	29 (16,4%)	265 (10,6%)
2-4 years	12 (6,78%)	166 (6,62%)
> 4 years	5 (2,82%)	191 (7,62%)
Missing	3 (1,69%)	69 (2,75%)

Therapy situation

Diagnosis	24 (13,6%)	248 (9,90%)
Chemotherapy 1st line	21 (11,9%)	541 (21,6%)
Chemotherapy > 1st line	61 (34,5%)	420 (16,8%)
Radiotherapy	16 (9,04%)	229 (9,14%)
Target therapy	4 (2,26%)	77 (3,07%)
Hormone therapy	-	22 (0,88%)
Palliative	1 (0,56%)	249 (9,94%)
Surgery	69 (39,0%)	681 (27,2%)

Cancer related complications	2 (1,13%)	187 (7,46%)
Therapy related complications	-	101 (4,03%)
Missing	2 (1,13%)	71 (2,83%)

Infections

None	158 (89,3%)	1857 (74,1%)
Local	15 (8,47%)	352 (14,0%)
General	1 (0,56%)	215 (8,58%)
Missing	3 (1,69%)	82 (3,27%)

Nutrition Treatment

No special diet	89 (50,3%)	1058 (42,2%)
Individualized diet plan	15 (8,47%)	709 (28,3%)
Energy rich/protein rich ONS	30 (16,9%)	443 (17,7%)
Enteral nutrition (via NGT/PEG)	10 (5,65%)	131 (5,23%)
Parenteral nutrition	20 (11,3%)	279 (11,1%)
ONS enriched with special nutrients	-	72 (2,87%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	2 (1,13%)	39 (1,56%)
Personal preferences	-	208 (8,30%)
Counselling	1 (0,56%)	237 (9,46%)
Other	21 (11,9%)	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:	177	2484
Body weight prior to becoming ill	65 [20-130]	70 [22-180]
Actual body weight	62 [41-118]	64 [21-175]
Change in weight was		
Intentional	13 (7,34%)	99 (3,95%)
Unintentional	88 (49,7%)	1609 (64,2%)
Weight is stable	54 (30,5%)	389 (15,5%)
Missing	5 (2,82%)	84 (3,35%)
During the last week		
Patients who have had pain:		
Not at all	100 (56,5%)	828 (33,0%)
A little	60 (33,9%)	711 (28,4%)
Quite a bit	9 (5,08%)	469 (18,7%)
Very much	4 (2,26%)	265 (10,6%)
Missing	3 (1,69%)	198 (7,90%)
Patients who needed a rest:		
Not at all	51 (28,8%)	560 (22,3%)
A little	76 (42,9%)	694 (27,7%)
Quite a bit	37 (20,9%)	606 (24,2%)
Very much	7 (3,95%)	394 (15,7%)
Missing	1 (0,56%)	212 (8,46%)
Patients who felt weak:		
Not at all	59 (33,3%)	543 (21,7%)
A little	78 (44,1%)	715 (28,5%)
Quite a bit	28 (15,8%)	605 (24,1%)
Very much	7 (3,95%)	407 (16,2%)
Missing	1 (0,56%)	203 (8,10%)
Patients who felt depressed:		
Not at all	81 (45,8%)	900 (35,9%)
A little	65 (36,7%)	776 (31,0%)
Quite a bit	20 (11,3%)	359 (14,3%)
Very much	6 (3,39%)	208 (8,30%)
Missing	1 (0,56%)	207 (8,26%)
Patients who were tired:		

Not at all	62 (35,0%)	558 (22,3%)
A little	75 (42,4%)	769 (30,7%)
Quite a bit	28 (15,8%)	563 (22,5%)
Very much	6 (3,39%)	376 (15,0%)
Missing	2 (1,13%)	204 (8,14%)

Patients whose pain interfered with their daily activities:

Not at all	96 (54,2%)	953 (38,0%)
A little	50 (28,2%)	567 (22,6%)
Quite a bit	16 (9,04%)	418 (16,7%)
Very much	5 (2,82%)	300 (12,0%)
Missing	6 (3,39%)	221 (8,82%)

Patients who lacked appetite:

Not at all	89 (50,3%)	881 (35,2%)
A little	52 (29,4%)	617 (24,6%)
Quite a bit	22 (12,4%)	431 (17,2%)
Very much	8 (4,52%)	322 (12,8%)
Missing	3 (1,69%)	218 (8,70%)

Just now

Patients who have pain:

Not at all	90 (50,8%)	993 (39,6%)
A little	73 (41,2%)	814 (32,5%)
Quite a bit	7 (3,95%)	359 (14,3%)
Very much	1 (0,56%)	106 (4,23%)
Missing	2 (1,13%)	205 (8,18%)

Patients who need a rest:

Not at all	45 (25,4%)	513 (20,5%)
A little	80 (45,2%)	832 (33,2%)
Quite a bit	36 (20,3%)	605 (24,1%)
Very much	11 (6,21%)	307 (12,3%)
Missing	2 (1,13%)	210 (8,38%)

Patients who feel weak:

Not at all	54 (30,5%)	562 (22,4%)
A little	79 (44,6%)	807 (32,2%)
Quite a bit	32 (18,1%)	594 (23,7%)
Very much	5 (2,82%)	296 (11,8%)
Missing	1 (0,56%)	210 (8,38%)

Patients who are depressed:

Not at all	76 (42,9%)	1027 (41,0%)
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A little	75 (42,4%)	763 (30,4%)
Quite a bit	17 (9,60%)	321 (12,8%)
Very much	4 (2,26%)	140 (5,59%)
Missing	1 (0,56%)	209 (8,34%)

Patients who are tired:

Not at all	57 (32,2%)	606 (24,2%)
A little	79 (44,6%)	871 (34,8%)
Quite a bit	27 (15,3%)	496 (19,8%)
Very much	7 (3,95%)	280 (11,2%)
Missing	2 (1,13%)	215 (8,58%)

Patients whose pain interferes with their daily activities:

Not at all	86 (48,6%)	961 (38,3%)
A little	64 (36,2%)	631 (25,2%)
Quite a bit	13 (7,34%)	418 (16,7%)
Very much	4 (2,26%)	233 (9,30%)
Missing	7 (3,95%)	221 (8,82%)

Patients who lack appetite:

Not at all	77 (43,5%)	907 (36,2%)
A little	67 (37,9%)	637 (25,4%)
Quite a bit	18 (10,2%)	430 (17,2%)
Very much	6 (3,39%)	278 (11,1%)
Missing	5 (2,82%)	217 (8,66%)

Reasons for change in appetite/food intake

Nausea/Vomiting	30 (16,9%)	434 (17,3%)
Inflammation in mouth	-	145 (5,79%)
Pain	16 (9,04%)	332 (13,2%)
Constipation	4 (2,26%)	197 (7,86%)
Diarrhea	5 (2,82%)	129 (5,15%)
Change in taste/smell	3 (1,69%)	326 (13,0%)
Early satiation/Loss of appetite	50 (28,2%)	604 (24,1%)
Other	56 (31,6%)	427 (17,0%)
Missing	3 (1,69%)	93 (3,71%)

Maximum activity performed by patients

Able to do sports	22 (12,4%)	96 (3,83%)
Fully active	43 (24,3%)	356 (14,2%)
Able to carry out light activities	40 (22,6%)	508 (20,3%)
Able to carry out self care	29 (16,4%)	623 (24,9%)
Able to carry out limited self care	30 (16,9%)	371 (14,8%)
Confined to bed or chair	11 (6,21%)	333 (13,3%)

Missing	2 (1,13%)	196 (7,82%)
Patient takes additional (without prescription)		
Nothing	126 (71,2%)	1595 (63,6%)
Herbal tea	-	237 (9,46%)
Nutritional supplements	27 (15,3%)	214 (8,54%)
Multivitamin	12 (6,78%)	81 (3,23%)
Other medication	3 (1,69%)	92 (3,67%)
Other	6 (3,39%)	127 (5,07%)
Missing	7 (3,95%)	253 (10,1%)
Additional activities performed		
Nothing	152 (85,9%)	1750 (69,8%)
Psychotherapy	1 (0,56%)	53 (2,11%)
Yoga	-	25 (1,00%)
Meditation	8 (4,52%)	103 (4,11%)
Progressive muscle relaxation	1 (0,56%)	40 (1,60%)
Qigong	-	8 (0,32%)
Other	13 (7,34%)	261 (10,4%)
Missing	3 (1,69%)	300 (12,0%)
Patients having difficulties in complying with treatment	17 (9,60%)	542 (21,6%)
Patients needing help to complete questionnaire	86 (48,6%)	1313 (52,4%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	137 (77,4%)	1505 (60,1%)