



Dear participant,

Thank you for your participation in nutritionDay worldwide in 2017 and for your effort. We are now able to present you your country report of the following sample size:

Number of participated center:	11
Number of participated units:	55
Number of patients:	704
Number of patients who gave consent:	619
Number of patients completing Sheet 3a:	608
Number of patients completing Sheet 3b:	593
Number of cancer patients:	106
Number of patients completing Sheet 2_onco:	41
Number of patients completing Sheet 3_onco:	40
Number of patients with 30-day outcome assessment:	538

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

The report consists of 5 parts:

Part I reflects capacity and staffing of your 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 2018. 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
1. Total number of beds in hospital	1063 [797-1552]	290 [162-548]
2. Total number of admissions in the hospital last year	34884 [26809-55746]	16544 [7529-35485]
3. Total number of staff in the hospital		
Total medical doctors	444 [336-776]	161 [64-352]
Medical specialists	293 [185-529]	108 [42-202]
Medical non-specialists	151 [117-259]	33 [11-78]
Nurses	866 [585-1826]	347 [123-753]
Dietitians	1 [0-5]	4 [2-8]
Nutritionists	10 [7-15]	1 [0-4]
Pharmacists	24 [24-45]	6 [3-17]
Kitchen staff	40 [39-50]	29 [13-53]
Full time equivalent		
Total medical doctors	334 [279-367]	119 [53-333]
Medical specialists	223 [131-407]	88 [43-204]
Medical non-specialists	144 [114-256]	31 [10-79]
Nurses	648 [439-790]	309 [119-725]
Dietitians	3 [1-8]	4 [2-7]
Nutritionists	9 [5-17]	1 [0-3]
Pharmacists	24 [19-29]	5 [3-15]
Kitchen staff	41 [34-43]	22 [13-46]
4. Does the hospital have a nutrition care strategy?	6 (85.7%) Yes	203 (77.5%) Yes
5. Which nutrition-related standards or routine activities exist in your hospital?		
Nutrition training is available	5 (71.4%) Yes	170 (64.9%) Yes
Nutrition steering committee is available	5 (71.4%) Yes	151 (57.6%) Yes
Quality indicators are recorded and reported to national or regional level	4 (57.1%) Yes	105 (40.1%) Yes
Quality indicators are used for internal benchmarking	6 (85.7%) Yes	134 (51.1%) Yes
Patient feedback about food and food service is collected using a questionnaire	5 (71.4%) Yes	184 (70.2%) Yes
None	1 (14.3%) Yes	17 (6.5%) Yes
No answer given	-	-
6. Which codes are available /routinely used in your hospital for billing and reimbursement purposes?		
Codes available		
Nutrition Support	6 (85.7%) Yes	121 (46.2%) Yes
Oral nutrition supplements	6 (85.7%) Yes	99 (37.8%) Yes

Parenteral nutrition	6 (85.7%) Yes	139 (53.1%) Yes
Enteral nutrition	6 (85.7%) Yes	119 (45.4%) Yes
Dietary counseling	5 (71.4%) Yes	86 (32.8%) Yes
Specific dietary interventions	4 (57.1%) Yes	70 (26.7%) Yes
Screening for malnutrition	3 (42.9%) Yes	61 (23.3%) Yes
Risk of malnutrition	3 (42.9%) Yes	63 (24.0%) Yes
Malnutrition (in general)	4 (57.1%) Yes	118 (45.0%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (28.6%) Yes	114 (43.5%) Yes
No information available from billing/finance/controlling	-	39 (14.9%) Yes
No answer given	-	21 (8.0%)

Codes routinely used

Nutrition Support	5 (71.4%) Yes	100 (38.2%) Yes
Oral nutrition supplements	5 (71.4%) Yes	82 (31.3%) Yes
Parenteral nutrition	7 (100%) Yes	123 (46.9%) Yes
Enteral nutrition	7 (100%) Yes	103 (39.3%) Yes
Dietary counseling	6 (85.7%) Yes	68 (26.0%) Yes
Specific dietary interventions	5 (71.4%) Yes	59 (22.5%) Yes
Screening for malnutrition	4 (57.1%) Yes	48 (18.3%) Yes
Risk of malnutrition	4 (57.1%) Yes	44 (16.8%) Yes
Malnutrition (in general)	4 (57.1%) Yes	98 (37.4%) Yes
Severity of malnutrition (i.e. mild, moderate, severe)	2 (28.6%) Yes	98 (37.4%) Yes
No information available from billing/finance/controlling	-	46 (17.6%) Yes
No answer given	-	31 (1.5%)

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

	YOUR RESULTS	REFERENCE RESULTS
Internal Medicine / General	9 (16.4%)	20.2%
Internal Medicine / Cardiology	3 (5.5%)	5.5%
Internal Medicine / Gastroenterology & hepatology	6 (10.9%)	6.5%
Internal Medicine / Geriatrics	1 (1.8%)	8.2%
Internal Medicine / Infectious diseases	-	1.1%
Internal Medicine / Nephrology	1 (1.8%)	1.1%
Internal Medicine / Oncology (incl. radiotherapy)	3 (5.5%)	7.6%
Interdisciplinary	-	4.4%
Long term care	-	2.1%
Neurology	5 (9.1%)	2.9%
Surgery / General	6 (10.9%)	17.3%
Surgery/ Cardiac/Vascular/Thoracic	1 (1.8%)	1.5%
Surgery / Neurosurgery	1 (1.8%)	1.1%
Surgery / Orthopedic	1 (1.8%)	4.2%
Trauma	-	1.5%
Ear Nose Throat (ENT)	2 (3.6%)	1.5%
Gynecology / Obstetrics	2 (3.6%)	2.1%
Pediatrics	-	0.0%
Psychiatry	-	0.6%
Others	14 (25.5%)	10.7%
2. Number of registered inpatients at noon	15 [11-22]	25 [18-34]
3. Total bed capacity of the unit	19 [15-28]	31 [25-44]
4. Number of each type of staff in the unit for TODAY's morning shift		
Fully trained		
Medical doctors	3 [3-5]	4 [2-8]
Nurses	3 [3-4]	5 [4-8]
Nursing aides	2 [1-2]	2 [1-4]
Dieticians	0 [0-1]	1 [0-1]
Nutritionists	1 [1-1]	0 [0-1]
Administrative staff	0 [0-1]	1 [0-2]
Other staff involved in patient care	0 [0-1]	1 [0-3]
In training		
Medical doctors	1 [0-2]	1 [0-3]
Medical students	1 [0-8]	0 [0-2]
Nurses	0 [0-1]	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? 45 (97.8%) Yes 337 (74.2%) Yes

6. Does the unit have a nutrition care strategy? 42 (91.3%) Yes 330 (72.7%) Yes

7. Is there a person in your unit responsible for nutrition care? 37 (80.4%) Yes 331 (72.9%) Yes

8. Is there a dietician, nutritionist or dietetic assistant available for your unit? 46 (100%) Yes 410 (90.3%) Yes

9. Is specific staff responsible for providing feeding assistance to patients during meal times? 39 (84.8%) Yes 282 (62.1%) Yes

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

At admission

No routine screening	1 (1.8%) Yes	46 (9.7%) Yes
No fixed criteria	-	10 (2.1%) Yes
Experience / visual assessment only	1 (1.8%) Yes	43 (9.1%) Yes
Weighing / BMI only	5 (9.1%) Yes	66 (13.9%) Yes
Nutritional Risk Screening (NRS) 2002	19 (34.5%) Yes	136 (28.6%) Yes
Malnutrition Universal Screening Tool (MUST)	18 (32.7%) Yes	29 (6.1%) Yes
Malnutrition Screening tool (MST)	-	42 (8.8%) Yes
SNAQ	-	2 (0.42%) Yes
Other formal tool	2 (3.6%) Yes	77 (16.2%) Yes
I do not know	-	3 (0.63%) Yes
Missing	9 (16.4%)	21 (4.4%)

During hospital stay

No routine monitoring	1 (1.8%) Yes	44 (9.3%) Yes
No fixed criteria	2 (3.6%) Yes	44 (9.3%) Yes
Experience / visual assessment only	8 (14.5%) Yes	90 (18.9%) Yes
Weighing / BMI only	16 (29.1%) Yes	136 (28.6%) Yes
Other formal tool	19 (34.5%) Yes	130 (27.4%) Yes
I do not know	-	10 (2.1%) Yes
Missing	9 (16.4%)	21 (4.4%)

11a. Do you routinely use guidelines or standards for nutrition care? 44 (97.8%) Yes 354 (78.8%) Yes

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

International guidelines	8 (18.2%) Yes	91 (25.7%) Yes
National guidelines	1 (2.3%) Yes	56 (15.8%) Yes
Standards on hospital level	30 (68.2%) Yes	119 (33.6%) Yes
Standards on unit level	1 (2.3%) Yes	24 (6.8%) Yes
Individual patient nutrition care plans	2 (4.5%) Yes	57 (16.1%) Yes
Other	-	4 (1.1%) Yes
Missing	2 (4.5%)	3 (0.85%)

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

Watchful waiting	7 (12.7%) Yes	142 (29.9%) Yes
Discuss nutrition care activities during ward rounds	18 (32.7%) Yes	199 (41.9%) Yes
Develop an individual nutrition care plan	39 (70.9%) Yes	251 (52.8%) Yes
Initiate treatment / nutrition intervention	37 (67.3%) Yes	286 (60.2%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	33 (60.0%) Yes	292 (61.5%) Yes
Consult a medical professional	24 (43.6%) Yes	178 (37.5%) Yes
Calculate energy requirements	33 (60.0%) Yes	240 (50.5%) Yes
Calculate protein requirements	36 (65.5%) Yes	234 (49.3%) Yes

Malnourished

Watchful waiting	1 (1.8%) Yes	101 (21.3%) Yes
Discuss nutrition care activities during ward rounds	15 (27.3%) Yes	218 (45.9%) Yes
Develop an individual nutrition care plan	20 (36.4%) Yes	267 (56.2%) Yes
Initiate treatment / nutrition intervention	22 (40.0%) Yes	316 (66.5%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	18 (32.7%) Yes	294 (61.9%) Yes
Consult a medical professional	25 (45.5%) Yes	192 (40.4%) Yes
Calculate energy requirements	22 (40.0%) Yes	270 (56.8%) Yes
Calculate protein requirements	22 (40.0%) Yes	266 (56.0%) Yes

Every patient

Watchful waiting	42 (76.4%) Yes	204 (42.9%) Yes
Discuss nutrition care activities during ward rounds	17 (30.9%) Yes	131 (27.6%) Yes
Develop an individual nutrition care plan	5 (9.1%) Yes	79 (16.6%) Yes
Initiate treatment / nutrition intervention	1 (1.8%) Yes	61 (12.8%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	7 (12.7%) Yes	77 (16.2%) Yes
Consult a medical professional	4 (7.3%) Yes	105 (22.1%) Yes
Calculate energy requirements	1 (1.8%) Yes	56 (11.8%) Yes
Calculate protein requirements	2 (3.6%) Yes	50 (10.5%) Yes

Never

Watchful waiting	-	35 (7.4%) Yes
Discuss nutrition care activities during ward rounds	2 (3.6%) Yes	38 (8.0%) Yes

Develop an individual nutrition care plan	1 (1.8%) Yes	32 (6.7%) Yes
Initiate treatment / nutrition intervention	1 (1.8%) Yes	6 (1.3%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (1.8%) Yes	8 (1.7%) Yes
Consult a medical professional	2 (3.6%) Yes	49 (10.3%) Yes
Calculate energy requirements	2 (3.6%) Yes	51 (10.7%) Yes
Calculate protein requirements	1 (1.8%) Yes	55 (11.6%) Yes

I do not know

Watchful waiting	-	22 (4.6%) Yes
Discuss nutrition care activities during ward rounds	-	11 (2.3%) Yes
Develop an individual nutrition care plan	-	5 (1.1%) Yes
Initiate treatment / nutrition intervention	-	5 (1.1%) Yes
Consult a nutrition expert (dietician, nutritionist, etc.)	1 (1.8%) Yes	4 (0.84%) Yes
Consult a medical professional	1 (1.8%) Yes	19 (4.0%) Yes
Calculate energy requirements	2 (3.6%) Yes	12 (2.5%) Yes
Calculate protein requirements	1 (1.8%) Yes	14 (2.9%) Yes

13. When do you routinely weigh your patients?

at admission	40 (72.7%) Yes	300 (63.2%) Yes
Within 24 hours	2 (3.6%) Yes	70 (14.7%) Yes
Within 48 hours	2 (3.6%) Yes	20 (4.2%) Yes
Within 72 hours	-	14 (2.9%) Yes
Every week	31 (56.4%) Yes	164 (34.5%) Yes
Occasionally	4 (7.3%) Yes	60 (12.6%) Yes
When requested	23 (41.8%) Yes	212 (44.6%) Yes
At discharge	-	22 (4.6%) Yes
Never	-	8 (1.7%) Yes
I do not know	-	1 (0.21%) Yes
No answer given	1 (2.9%)	23 (4.8%)

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

Offer additional meals or in between snacks	33 (60.0%) Yes	350 (73.7%) Yes
Offer meal choices	37 (67.3%) Yes	348 (73.3%) Yes
Offer different portion sizes	31 (56.4%) Yes	292 (61.5%) Yes
Consider food presentation	4 (7.3%) Yes	198 (41.7%) Yes
Change food texture/consistency as needed	43 (78.2%) Yes	389 (81.9%) Yes
Consider patient problems with eating and drinking	43 (78.2%) Yes	385 (81.1%) Yes
Ensure that mealtimes are undisturbed/protected mealtime policy	30 (54.5%) Yes	58 (12.2%) Yes
Promote positive eating environment	36 (65.5%) Yes	92 (19.4%) Yes
Consider cultural/religious preferences	39 (70.9%) Yes	200 (42.1%) Yes
Consider patient allergies / intolerances	45 (81.8%) Yes	228 (48.0%) Yes
Other	1 (1.8%) Yes	29 (6.1%) Yes
I do not know	-	6 (1.3%) Yes
No answer given	9 (16.4%)	21 (4.4%)

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

Nutrition training is available	28 (50.9%) Yes	267 (56.2%) Yes
Reporting of nutrition related information to hospital managers	18 (32.7%) Yes	211 (44.4%) Yes
Quality indicators are recorded and reported to national or regional level	13 (23.6%) Yes	131 (27.6%) Yes
Quality indicators are used for internal benchmarking	36 (65.5%) Yes	175 (36.8%) Yes
Patient feedback about food and food service is collected using a questionnaire	33 (60.0%) Yes	302 (63.6%) Yes
None	-	21 (4.4%) Yes
I do not know	1 (1.8%) Yes	13 (2.7%) Yes
No answer given	9 (16.4%)	37 (7.8%)

16. At admission what is asked and documented?

Change in weight	45 (81.8%) Yes	373 (78.5%) Yes
Eating habits/difficulties	44 (80.0%) Yes	349 (73.5%) Yes
Nutrition before admission	36 (65.5%) Yes	271 (57.1%) Yes
None	-	9 (1.9%) Yes
I do not know	-	5 (1.1%) Yes
No answer given	9 (16.4%)	39 (8.2%)

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	37 (67.3%) Yes	335 (70.5%) Yes
nutrition treatment	31 (56.4%) Yes	280 (58.9%) Yes
None	1 (1.8%) Yes	30 (6.3%) Yes
I do not know	1 (1.8%) Yes	4 (0.84%) Yes

b. Discharge Letter ...

summarizes nutrition treatment received during stay	29 (52.7%) Yes	171 (36.0%) Yes
makes future nutrition-related recommendations	37 (67.3%) Yes	269 (56.6%) Yes
None	3 (5.5%) Yes	56 (11.8%) Yes
I do not know	2 (3.6%) Yes	26 (5.5%) Yes

18. Do you provide brochures about malnutrition to at risk/malnourished patients?	13 (35.1%) Yes	171 (44.5%) Yes
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19. Who filled in this sheet?

Head staff	6 (10.9%) Yes	120 (25.3%) Yes
Dietician	24 (43.6%) Yes	244 (51.4%) Yes
Nurse	24 (43.6%) Yes	127 (26.7%) Yes
Physician	3 (5.5%) Yes	74 (15.6%) Yes
Administrative staff	-	4 (0.84%) Yes

Other	-	8 (1.7%) Yes
None	-	-
I do not know	-	3 (0.63%) Yes

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

	YOUR RESULTS	REFERENCE RESULTS
Total	619	9133
Age	68 [55-76]	67 [53-78]
Female	336 (54.3%)	4630 (50.7%)
Weight	79.3±20.7	68.8±18.8
Height	170±10	164±10
BMI	27.2±6.2	25.4±6.0

1. This hospital admission was...

planned	313 (50.6%)	3186 (34.9%)
an emergency	241 (38.9%)	5234 (57.3%)
I do not know	65 (10.5%)	713 (7.8%)
No answer given	-	-

2a. Diagnosis at admission

0100 Infectious and parasitic diseases	38 (6.1%)	833 (9.1%)
0200 Neoplasms	106 (17.1%)	1451 (15.9%)
0300 Blood and bloodforming organs and the immune mechanism	60 (9.7%)	612 (6.7%)
0400 Endocrine, nutritional and metabolic diseases	149 (24.1%)	1103 (12.1%)
0500 Mental health	28 (4.5%)	340 (3.7%)
0600 Nervous system	117 (18.9%)	795 (8.7%)
0700 Eye and adnexa	15 (2.4%)	134 (1.5%)
0800 Ear and mastoid process	5 (0.81%)	71 (0.78%)
0900 Circulatory system	214 (34.6%)	1817 (19.9%)
1000 Respiratory system	126 (20.4%)	1407 (15.4%)
1100 Digestive system	187 (30.2%)	2255 (24.7%)
1200 Skin and subcutaneous tissue	34 (5.5%)	444 (4.9%)
1300 Musculoskeletal system and connective tissue	154 (24.9%)	1332 (14.6%)
1400 Genitourinary system	74 (12.0%)	847 (9.3%)
1500 Pregnancy, childbirth and the puerperium	5 (0.81%)	126 (1.4%)
1600 Conditions originating in the perinatal period	-	22 (0.24%)
1700 Congenital/chromosomal abnormalities	4 (0.65%)	9 (0.10%)
1800 Symptoms, signs, abnormal clinical/lab findings	12 (1.9%)	410 (4.5%)
1900 Injury, poisoning	9 (1.5%)	291 (3.2%)
2000 External causes of morbidity and mortality (e.g. transport accidents, assaults)	42 (6.8%)	173 (1.9%)
2100 Factors influencing health status and contact with health services	6 (0.97%)	214 (2.3%)
No answer given	-	-

3. Which conditions/comorbidities does this patient have?

Cardiac insufficiency	179 (29.4%)	1665 (22.5%)
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Myocardial infarction	28 (4.6%)	418 (5.9%)
Chronic lung disease	119 (19.7%)	1118 (15.3%)
Cerebral vascular disease	91 (15.0%)	768 (10.7%)
Peripheral vascular disease	118 (19.6%)	888 (12.3%)
Chronic liver disease	72 (12.0%)	457 (6.4%)
Chronic kidney disease	96 (16.0%)	853 (11.8%)
Diabetes	192 (31.6%)	1983 (26.8%)
Cancer	106 (17.7%)	1815 (24.8%)
Infection	57 (9.5%)	1166 (16.0%)
Dementia	33 (5.5%)	398 (5.6%)
Major depressive disorder	44 (7.3%)	390 (5.5%)
Other chronic mental disorder	31 (5.2%)	387 (5.5%)
Other chronic disease	164 (27.7%)	2029 (27.4%)
None	78 (12.6%)	1421 (15.6%)

4a. Previous operation during this hospital stay

Yes, planned	126 (20.4%)	1796 (19.7%)
Yes, acute	44 (7.1%)	561 (6.1%)
No	395 (63.8%)	6420 (70.3%)
I do not know	27 (4.4%)	130 (1.4%)
Missing	27 (4.4%)	226 (2.5%)

Days since operation	6 [2-35]	4 [1-13]
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4b. Planned operation during this hospital stay

Yes, today or tomorrow	38 (6.1%)	766 (8.4%)
Yes, later	24 (3.9%)	536 (5.9%)
No	505 (81.6%)	6795 (74.4%)
I do not know	35 (5.7%)	417 (4.6%)
Missing	17 (2.7%)	619 (6.8%)

5. Previous ICU admission during this hospital stay? (Yes)	72 (11.6%)	982 (10.8%)
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6. Is this patient terminally ill?	16 (2.6%)	660 (7.2%)
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7. Fluid status

Normal	537 (86.8%)	7154 (78.3%)
Overloaded	27 (4.4%)	518 (5.7%)
Dehydrated	38 (6.1%)	475 (5.2%)
I do not know	17 (2.7%)	986 (10.8%)
Missing	-	-

8. Number of different medications planned

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

Malnourished	47 (7.6%)	914 (10.0%)
At risk	89 (14.4%)	1610 (17.6%)
No	460 (74.3%)	5843 (64.0%)
I do not know	23 (3.7%)	766 (8.4%)
Missing	-	-

10. IV Fluids

Electrolyte solution (NaCl, Ringers lactate, etc)	140 (22.6%)	3595 (39.4%)
5% Glucose solution	21 (3.4%)	877 (9.6%)

11. Number of ONS drinks planned

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

Regular hospital food	520 (84.0%)	5097 (55.8%)
Fortified/enriched hospital food	40 (6.5%)	801 (8.8%)
Protein/energy supplement (e.g. ONS drinks)	133 (21.5%)	1073 (11.7%)
Enteral nutrition	11 (1.8%)	495 (5.4%)
Parenteral nutrition	25 (4.0%)	485 (5.3%)
Special diet	73 (11.8%)	3173 (34.7%)
None	12 (1.9%)	506 (5.5%)

13a. All lines and Tubes

Central Venous	64 (10.3%)	752 (8.2%)
Peripheral venous access	245 (39.6%)	4362 (47.8%)
Nasogastric	6 (0.97%)	269 (2.9%)
Nasojejunal	5 (0.81%)	38 (0.42%)
Nasoduodenal	2 (0.32%)	22 (0.24%)
Enterostoma	3 (0.48%)	46 (0.50%)
Percutaneous endoscopy/surgical gastrostomy	6 (0.97%)	71 (0.78%)
Percutaneous endoscopy/surgical jejunostomy	3 (0.48%)	29 (0.32%)
None	316 (51.1%)	4024 (44.1%)

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

Yes, previously	7 (1.1%)	93 (1.0%)
Yes, ongoing	3 (0.48%)	80 (0.88%)
No	484 (78.2%)	7577 (83.0%)
I do not know	62 (10.0%)	871 (9.5%)
Missing	63 (10.2%)	512 (5.6%)

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

Energy requirements were determined	146 (23.6%)	3246 (35.5%)
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Protein requirements were determined	152 (24.6%)	2888 (31.6%)
Food/Nutrition intake was recorded in the patient record	160 (25.8%)	4124 (45.2%)
Nutrition treatment plan was developed	92 (14.9%)	3183 (34.9%)
Nutrition expert was consulted	201 (32.5%)	3050 (33.4%)
Malnutrition status is recorded in the patient record	81 (13.1%)	2529 (27.7%)
None	-	-

15a. Energy goal

< 500 kcal	87 (14.1%)	335 (3.7%)
500-999 kcal	9 (1.5%)	109 (1.2%)
1000-1499 kcal	14 (2.3%)	957 (10.5%)
1500-1999 kcal	66 (10.7%)	2729 (29.9%)
>=2000 kcal	46 (7.4%)	993 (10.9%)
Not determined	307 (49.6%)	3222 (35.3%)
I do not know	90 (14.5%)	752 (8.2%)
Missing	-	36 (0.39%)

15b. Energy intake

< 500 kcal	99 (16.0%)	615 (6.7%)
500-999 kcal	13 (2.1%)	525 (5.7%)
1000-1499 kcal	34 (5.5%)	1192 (13.1%)
1500-1999 kcal	52 (8.4%)	2032 (22.2%)
>=2000 kcal	36 (5.8%)	597 (6.5%)
Not determined	291 (47.0%)	2998 (32.8%)
I do not know	94 (15.2%)	1122 (12.3%)
Missing	-	52 (0.57%)

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

Improved	343 (55.4%)	4626 (50.7%)
Deteriorated	25 (4.0%)	514 (5.6%)
Remained the same	168 (27.1%)	2506 (27.4%)
This patient has just been admitted	33 (5.3%)	574 (6.3%)
I do not know	50 (8.1%)	913 (10.0%)
Missing	-	-

Length of hospital stay (days)	10 [6-19]	12 [6-24]
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Outcome Code

1= Still in the hospital	35 (5.7%)	796 (8.7%)
2= Transferred to another hospital	19 (3.1%)	219 (2.4%)
3= Transferred to long term care	22 (3.6%)	373 (4.1%)
4= Rehabilitation	9 (1.5%)	500 (5.5%)
5= Discharged home	437 (70.6%)	6731 (73.7%)
6= Death	10 (1.6%)	283 (3.1%)

7= Others	6 (0.97%)	175 (1.9%)
Missing	81 (13.1%)	56 (0.61%)
Readmitted since ND		
1= No	339 (68.2%)	6273 (77.4%)
2= Yes, same hospital planned	52 (10.5%)	483 (6.0%)
3= Yes, same hospital unplanned	16 (3.2%)	471 (5.8%)
4= Yes, different hospital planned	-	45 (0.56%)
5= Yes, different hospital unplanned	-	45 (0.56%)
6= Unknown	70 (14.1%)	366 (4.5%)
Missing	16 (3.2%)	428 (5.3%)

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	434 (71.4%)	6102 (69.3%)
I am vegetarian	1 (0.16%)	153 (1.7%)
I adhere to a vegan diet	2 (0.33%)	53 (0.60%)
I eat gluten-free diet	5 (0.82%)	78 (0.89%)
I avoid added sugars	70 (11.5%)	1353 (15.4%)
I avoid carbohydrates	133 (21.9%)	515 (5.9%)
I eat a low fat-diet	40 (6.6%)	1034 (11.8%)
I am lactose intolerant	10 (1.6%)	343 (3.9%)
Other special diet due to intolerances/allergies	10 (1.6%)	179 (2.0%)
Other	36 (5.9%)	617 (7.0%)
No answer given	4 (0.66%)	217 (2.5%)
2. Where did you live before your current hospital admission?		
At home	534 (87.8%)	7771 (88.3%)
In a nursing home or other live-in facility	6 (0.99%)	295 (3.4%)
I was transferred from another hospital	57 (9.4%)	456 (5.2%)
Other	9 (1.5%)	147 (1.7%)
Missing	2 (0.33%)	131 (1.5%)
3. In general, are you able to walk?		
Yes	384 (63.2%)	5599 (63.6%)
Yes, with someone's help	44 (7.2%)	963 (10.9%)
Yes, independently using a cane, walker, or crutches	137 (22.5%)	1142 (13.0%)
No, I have a wheelchair	7 (1.2%)	383 (4.4%)
No, I am bedridden	31 (5.1%)	579 (6.6%)
Missing	5 (0.82%)	134 (1.5%)
4. In general, how would you say your health is?		
Very good	37 (6.1%)	633 (7.2%)
Good	179 (29.4%)	3217 (36.6%)
Fair	254 (41.8%)	3329 (37.8%)
Poor	120 (19.7%)	1202 (13.7%)
Very poor	14 (2.3%)	268 (3.0%)
Missing	4 (0.66%)	151 (1.7%)
5. Over the last 12 months prior to your current hospital admission approximately...		
... how many times have you seen a doctor?	4 [2-10]	4 [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?	6 [1-15]	5 [0-15]

6. How many different medications do you take routinely each day (prior to hospitalisation)?		
1-2	121 (19.9%)	1694 (19.3%)
3-5	213 (35.0%)	2352 (26.7%)
More than 5	192 (31.6%)	2722 (30.9%)
None	72 (11.8%)	1418 (16.1%)
I do not know	8 (1.3%)	449 (5.1%)
Missing	2 (0.33%)	165 (1.9%)

7. Do you have health insurance?		
Yes, private insurance only	16 (2.6%)	1319 (15.0%)
Yes, public insurance only	535 (88.0%)	4350 (49.4%)
Yes, both	29 (4.8%)	1115 (12.7%)
None	14 (2.3%)	1177 (13.4%)
I prefer not to answer	5 (0.82%)	510 (5.8%)
Missing	9 (1.5%)	329 (3.7%)

8. What was your weight 5 years ago?		
	80 [68-90]	70 [60-83]
I do not know	119 (19.6%)	2377 (27.0%)

9a. Have you lost weight within the last 3 months?		
Yes, intentionally	59 (9.7%)	827 (9.4%)
Yes, unintentionally	213 (35.0%)	3324 (37.8%)
No, my weight stayed the same	231 (38.0%)	2582 (29.3%)
No, I gained weight	54 (8.9%)	951 (10.8%)
I do not know	47 (7.7%)	907 (10.3%)
Missing	4 (0.66%)	209 (2.4%)

9b. If yes, how many kg did you lose?		
	6 [3-10]	6 [3-10]
I do not know	24 (8.8%)	701 (16.9%)

10. Did you know about your hospitalisation two days before admission? (Yes)		
	283 (49.2%)	3271 (39.2%)

11. Please indicate if you ...		
... were weighed at admission	348 (57.4%)	4927 (56.7%)
... were informed about your nutrition status	289 (47.8%)	2797 (32.5%)
... were informed about nutrition care options	223 (37.2%)	2491 (29.0%)
... received special nutrition care	208 (34.7%)	2357 (27.5%)

12. How well have you eaten in the week before you were admitted to the hospital?		
More than normal	21 (3.5%)	388 (4.4%)
Normal	419 (70.7%)	5401 (61.8%)
About 3/4 of normal	65 (11.0%)	844 (9.7%)
About half of normal	60 (10.1%)	1065 (12.2%)

About a quarter to nearly nothing	24 (4.0%)	791 (9.0%)
I do not know	3 (0.51%)	88 (1.0%)
Missing	1 (0.17%)	167 (1.9%)

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

Very satisfied	138 (23.3%)	2368 (27.1%)
Somewhat satisfied	246 (41.5%)	2629 (30.1%)
Neutral	113 (19.1%)	1752 (20.0%)
Dissatisfied	40 (6.7%)	691 (7.9%)
Very dissatisfied	17 (2.9%)	261 (3.0%)
I do not know	31 (5.2%)	726 (8.3%)
Missing	8 (1.3%)	317 (3.6%)

14. Did you get any help with eating TODAY?

Yes, from family or friends	13 (2.2%)	978 (11.2%)
Yes, from hospital staff	43 (7.3%)	581 (6.6%)
No	519 (87.5%)	6652 (76.1%)
I do not know	6 (1.0%)	113 (1.3%)
Missing	12 (2.0%)	420 (4.8%)

15. Were you able to eat without interruption TODAY? (Yes)	479 (82.6%)	6110 (74.6%)
---	-------------	--------------

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

About all	290 (48.9%)	4213 (48.2%)
1/2	203 (34.2%)	2075 (23.7%)
1/4	49 (8.3%)	1064 (12.2%)
Nothing	31 (5.2%)	1004 (11.5%)
Missing	20 (3.4%)	388 (4.4%)

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

Standard	420 (70.8%)	5611 (64.2%)
Smaller	39 (6.6%)	811 (9.3%)
Larger	52 (8.8%)	344 (3.9%)
I do not know	37 (6.2%)	884 (10.1%)
Missing	45 (7.6%)	1094 (12.5%)

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

I did not like the type of food offered	8 (2.8%)	608 (14.7%)
I did not like the smell/taste of the food	46 (16.3%)	474 (11.4%)
The food did not fit my cultural/religious preferences	-	54 (1.3%)
The food was too hot	-	15 (0.36%)
The food was too cold	7 (2.5%)	95 (2.3%)
Due to food allergy/intolerance	-	27 (0.65%)
I was not hungry at that time	64 (22.6%)	709 (17.1%)

I do not have my usual appetite	74 (26.1%)	1167 (28.2%)
I have problems chewing/swallowing	14 (4.9%)	239 (5.8%)
I normally eat less than what was served	69 (24.4%)	457 (11.0%)
I had nausea/vomiting	4 (1.4%)	345 (8.3%)
I was too tired	14 (4.9%)	227 (5.5%)
I cannot eat without help	1 (0.35%)	73 (1.8%)
I was not allowed to eat	23 (8.1%)	460 (11.1%)
I had an exam, surgery, or test and missed my meal	2 (0.71%)	243 (5.9%)
I did not get requested food	2 (0.71%)	54 (1.3%)
No answer given	19 (6.7%)	510 (12.3%)

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

Water	4 [2-5]	3 [2-5]
Tea	4 [3-6]	1 [0-2]
Coffee	1 [1-1]	1 [0-2]
Milk	1 [1-1]	1 [0-1]
Fruit juice	1 [1-2]	1 [0-2]
Soft drinks	2 [0-3]	0 [0-1]
Nutrition drink	1 [0-2]	0 [0-1]
Other	0 [0-2]	0 [0-1]

19a. Did you eat any food apart from hospital food TODAY? 165 (30.1%) 2179 (27.2%)

19b. If yes, what did you eat?

Sweet snacks	33 (20.0%)	548 (25.1%)
Salty snacks	15 (9.1%)	290 (13.3%)
Homemade food	32 (19.4%)	320 (14.7%)
Fruits	75 (45.5%)	774 (35.5%)
Dairy products	21 (12.7%)	221 (10.1%)
Food delivered/restaurant	3 (1.8%)	85 (3.9%)
Sandwich	11 (6.7%)	145 (6.7%)
Other	16 (9.7%)	429 (19.7%)

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

Increased	88 (14.8%)	1201 (13.7%)
Decreased	65 (11.0%)	2809 (32.1%)
Stayed the same	394 (66.4%)	3616 (41.4%)
I do not know	35 (5.9%)	601 (6.9%)
Missing	11 (1.9%)	517 (5.9%)

21. TODAY I feel...

Stronger than at admission	211 (35.6%)	3792 (43.4%)
Weaker than at admission	114 (19.2%)	1514 (17.3%)
Same as at admission	227 (38.3%)	2454 (28.1%)

I was admitted today	13 (2.2%)	239 (2.7%)
I do not know	25 (4.2%)	466 (5.3%)
Missing	3 (0.51%)	279 (3.2%)

22. Can you walk without assistance TODAY?

Yes	401 (67.6%)	5103 (58.4%)
No, only with assistance	141 (23.8%)	2181 (24.9%)
No, I stay in bed	33 (5.6%)	984 (11.3%)
Missing	18 (3.0%)	476 (5.4%)

23. Did anyone help you complete this questionnaire?	359 (61.6%)	5889 (69.0%)
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V. Oncology: Unit organisation and structures ("Sheet 1 onco")

	YOUR RESULTS	REFERENCE RESULTS
Number of units with cancer patients:	4	116
Computerized system in hospital:	4 units (100%) YES	112 units (97%) YES
Nutritional treatment of cancer patients is part of overall care plan	4 units (100%) YES	98 units (84%) YES
Nutritional treatment is considered...		
Routinely	4 (100%)	59 (50,9%)
When patient asks	-	29 (25,0%)
When body weight loss > 10%	-	39 (33,6%)
During palliative phase	-	33 (28,4%)
Other	-	6 (5,17%)
Missing	-	17 (14,7%)
Nutritional treatment is not part of the comprehensive approach due to		
Lack of evidence	-	7 (6,03%)
No knowledge of the field	-	7 (6,03%)
No reimbursement	-	7 (6,03%)
It feeds the tumour	-	1 (0,86%)
Other	-	4 (3,45%)
Nutritional therapy used for cancer patients		
Nutrition according to nutrition plan	4 (100%)	67 (57,8%)
Calculation of energy needs	4 (100%)	85 (73,3%)
Monitoring patients intake and use of oral supplements	4 (100%)	102 (87,9%)
None	-	4 (3,45%)
Other	-	5 (4,31%)
Missing	-	2 (1,72%)
Nutritional therapy is not used due to		
Lack of evidence	-	2 (1,72%)
Lack of experience	-	6 (5,17%)
No reimbursement	-	3 (2,59%)
Lack of dietitians	-	8 (6,90%)
Lack of other experts	-	3 (2,59%)
Other	-	1 (0,86%)
Missing	-	-

Assessment of parameters in cancer patients & methods used:

Anthropometry/Body composition:

Body weight

Regularly	2 (50,0%)	78 (67,2%)
At chemotherapy	1 (25,0%)	12 (10,3%)
When necessary	-	23 (19,8%)
Never	-	1 (0,86%)
Unknown	1 (25,0%)	1 (0,86%)
Missing	-	1 (0,86%)

Anthropometrics (circumference)

Regularly	1 (25,0%)	13 (11,2%)
At chemotherapy	-	1 (0,86%)
When necessary	2 (50,0%)	42 (36,2%)
Never	-	53 (45,7%)
Unknown	-	1 (0,86%)
Missing	1 (25,0%)	6 (5,17%)

BIA

Regularly	-	5 (4,31%)
At chemotherapy	-	-
When necessary	3 (75,0%)	25 (21,6%)
Never	1 (25,0%)	78 (67,2%)
Unknown	-	3 (2,59%)
Missing	-	5 (4,31%)

CT SCAN

Regularly	-	6 (5,17%)
At chemotherapy	-	1 (0,86%)
When necessary	2 (50,0%)	32 (27,6%)
Never	1 (25,0%)	70 (60,3%)
Unknown	-	3 (2,59%)
Missing	1 (25,0%)	4 (3,45%)

DEXA

Regularly	-	2 (1,72%)
At chemotherapy	-	-
When necessary	2 (50,0%)	16 (13,8%)
Never	1 (25,0%)	85 (73,3%)
Unknown	-	8 (6,90%)
Missing	1 (25,0%)	5 (4,31%)

Other (body composition)

Regularly	-	1 (0,86%)
At chemotherapy	-	-
When necessary	-	17 (14,7%)

Never	-	40 (34,5%)
Unknown	-	21 (18,1%)
Missing	4 (100%)	37 (31,9%)

Body function:

Handgrip

Regularly	1 (25,0%)	6 (5,17%)
At chemotherapy	1 (25,0%)	1 (0,86%)
When necessary	1 (25,0%)	38 (32,8%)
Never	-	61 (52,6%)
Unknown	-	4 (3,45%)
Missing	1 (25,0%)	6 (5,17%)

6-minutes walking test

Regularly	-	3 (2,59%)
At chemotherapy	-	-
When necessary	2 (50,0%)	33 (28,4%)
Never	-	68 (58,6%)
Unknown	-	5 (4,31%)
Missing	2 (50,0%)	7 (6,03%)

Other (body function)

Regularly	-	4 (3,45%)
At chemotherapy	-	-
When necessary	-	24 (20,7%)
Never	-	45 (38,8%)
Unknown	1 (25,0%)	16 (13,8%)
Missing	3 (75,0%)	27 (23,3%)

Nutritional requirements, calculated

Regularly	1 (25,0%)	34 (29,3%)
At chemotherapy	-	-
When necessary	-	65 (56,0%)
Never	-	5 (4,31%)
Unknown	1 (25,0%)	-
Missing	2 (50,0%)	12 (10,3%)

Nutritional intake:

Every meal

Regularly	2 (50,0%)	32 (27,6%)
At chemotherapy	-	1 (0,86%)
When necessary	1 (25,0%)	51 (44,0%)
Never	-	13 (11,2%)
Unknown	1 (25,0%)	6 (5,17%)

Missing	-	13 (11,2%)
1 meal per day		
Regularly	1 (25,0%)	12 (10,3%)
At chemotherapy	-	1 (0,86%)
When necessary	-	36 (31,0%)
Never	-	19 (16,4%)
Unknown	1 (25,0%)	9 (7,76%)
Missing	2 (50,0%)	39 (33,6%)
2 meals per day		
Regularly	1 (25,0%)	12 (10,3%)
At chemotherapy	-	-
When necessary	-	35 (30,2%)
Never	-	20 (17,2%)
Unknown	-	9 (7,76%)
Missing	3 (75,0%)	40 (34,5%)
24h recall		
Regularly	1 (25,0%)	28 (24,1%)
At chemotherapy	-	2 (1,72%)
When necessary	1 (25,0%)	41 (35,3%)
Never	-	12 (10,3%)
Unknown	-	7 (6,03%)
Missing	2 (50,0%)	26 (22,4%)
Other (nutritional intake)		
Regularly	-	2 (1,72%)
At chemotherapy	-	-
When necessary	-	17 (14,7%)
Never	-	22 (19,0%)
Unknown	-	18 (15,5%)
Missing	4 (100%)	57 (49,1%)
Questionnaire completed by		
Dietitian	1 (25,0%)	42 (36,2%)
Nurse	1 (25,0%)	29 (25,0%)
Physician	-	39 (33,6%)
Nutritional scientist	2 (50,0%)	5 (4,31%)
Other	-	-
Missing	-	1 (0,86%)

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

	YOUR RESULTS	REFERENCE RESULTS
Number of patients completing Sheet 2_onco:	41	1064
Demographic data:		
Age (years)	67 [32-83]	66 [18-96]
Female gender	23 (56,1%)	423 (39,8%)
Weight (kg)	78,2 ± 16,4	64,3 ± 16,9
Height (cm)	171,6 ± 7,7	165,4 ± 9,8
BMI (kg/m2)	26,5 ± 5,0	23,6 ± 4,8
Outpatient (o)/Ward (w)		
Outpatient(o)	-	63 (5,92%)
Ward (w)	41 (100%)	997 (93,7%)
Missing	-	4 (0,38%)
Goal of Therapy		
Curative	23 (56,1%)	606 (57,0%)
Palliative	18 (43,9%)	359 (33,7%)
Terminal	-	74 (6,95%)
Missing	-	25 (2,35%)
Reason for admission		
Clinical diagnostics	2 (4,88%)	109 (10,2%)
Therapy	22 (53,7%)	516 (48,5%)
Surgery related	9 (22,0%)	225 (21,1%)
Treatment complications	5 (12,2%)	124 (11,7%)
Poor health status	3 (7,32%)	139 (13,1%)
Independent care difficult	-	8 (0,75%)
Missing	-	-
Present cancer diagnosis		
Breast	6 (14,6%)	59 (5,55%)
Colon, rectum	7 (17,1%)	172 (16,2%)
Prostate	-	31 (2,91%)
Lung	2 (4,88%)	86 (8,08%)
Skin	-	8 (0,75%)
Kidney/bladder	2 (4,88%)	31 (2,91%)
Gastric/oesophageal	2 (4,88%)	152 (14,3%)
Pancreas	-	69 (6,48%)
Lymphoma	6 (14,6%)	102 (9,59%)
Ears nose throat (ENT)	-	51 (4,79%)
Leukaemia	4 (9,76%)	77 (7,24%)
Genital tract	6 (14,6%)	38 (3,57%)

Liver	1 (2,44%)	106 (9,96%)
Sarcoma	-	11 (1,03%)
Brain	1 (2,44%)	23 (2,16%)
Testicular	3 (7,32%)	-
Other	2 (4,88%)	85 (7,99%)
Missing	-	11 (1,03%)

Time since diagnosis

0-2 months	14 (34,1%)	366 (34,4%)
3-5 months	6 (14,6%)	184 (17,3%)
6-12 months	5 (12,2%)	169 (15,9%)
1-2 years	5 (12,2%)	147 (13,8%)
2-4 years	6 (14,6%)	82 (7,71%)
> 4 years	4 (9,76%)	94 (8,83%)
Missing	1 (2,44%)	19 (1,79%)

Cancer staging

0=Carcinoma in situ	-	55 (5,17%)
I=Localized	8 (19,5%)	244 (22,9%)
II=Early locally advanced	6 (14,6%)	176 (16,5%)
III=Late locally advanced	3 (7,32%)	176 (16,5%)
IV=Metastasised	14 (34,1%)	302 (28,4%)
Missing	10 (24,4%)	111 (10,4%)

Time since first therapy start

No therapy	1 (2,44%)	134 (12,6%)
Tumour staging/diagnosis	1 (2,44%)	67 (6,30%)
0-2 months	9 (22,0%)	290 (27,3%)
3-5 months	2 (4,88%)	145 (13,6%)
6-12 months	2 (4,88%)	153 (14,4%)
1-2 years	4 (9,76%)	114 (10,7%)
2-4 years	4 (9,76%)	64 (6,02%)
> 4 years	1 (2,44%)	104 (9,77%)
Missing	1 (2,44%)	16 (1,50%)

Therapy situation

Diagnosis	1 (2,44%)	109 (10,2%)
Chemotherapy 1st line	10 (24,4%)	191 (18,0%)
Chemotherapy > 1st line	5 (12,2%)	173 (16,3%)
Radiotherapy	6 (14,6%)	70 (6,58%)
Target therapy	3 (7,32%)	31 (2,91%)
Hormone therapy	-	12 (1,13%)
Palliative	4 (9,76%)	121 (11,4%)
Surgery	8 (19,5%)	348 (32,7%)

Cancer related complications	2 (4,88%)	67 (6,30%)
Therapy related complications	2 (4,88%)	43 (4,04%)
Missing	-	13 (1,22%)

Infections

None	31 (75,6%)	808 (75,9%)
Local	8 (19,5%)	161 (15,1%)
General	2 (4,88%)	73 (6,86%)
Missing	-	22 (2,07%)

Nutrition Treatment

No special diet	17 (41,5%)	458 (43,0%)
Individualized diet plan	14 (34,1%)	305 (28,7%)
Energy rich/protein rich ONS	10 (24,4%)	121 (11,4%)
Enteral nutrition (via NGT/PEG)	1 (2,44%)	65 (6,11%)
Parenteral nutrition	-	136 (12,8%)
ONS enriched with special nutrients	-	25 (2,35%)
Special nutrients (EPA, branched chained amino acids, glutamine, arginine, carnitine)	-	13 (1,22%)
Personal preferences	-	110 (10,3%)
Counselling	-	54 (5,08%)
Other	-	28 (2,63%)
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:	40	1056
Body weight prior to becoming ill	75 [56-125]	70 [22-180]
Actual body weight	76 [50-175]	63 [21-128]
Change in weight was		
Intentional	3 (7,32%)	31 (2,91%)
Unintentional	20 (48,8%)	644 (60,5%)
Weight is stable	12 (29,3%)	180 (16,9%)
Missing	1 (2,44%)	31 (2,91%)
During the last week		
Patients who have had pain:		
Not at all	12 (29,3%)	366 (34,4%)
A little	12 (29,3%)	294 (27,6%)
Quite a bit	6 (14,6%)	192 (18,0%)
Very much	8 (19,5%)	108 (10,2%)
Missing	3 (7,32%)	90 (8,46%)
Patients who needed a rest:		
Not at all	5 (12,2%)	261 (24,5%)
A little	13 (31,7%)	311 (29,2%)
Quite a bit	10 (24,4%)	243 (22,8%)
Very much	9 (22,0%)	131 (12,3%)
Missing	4 (9,76%)	98 (9,21%)
Patients who felt weak:		
Not at all	11 (26,8%)	255 (24,0%)
A little	12 (29,3%)	297 (27,9%)
Quite a bit	5 (12,2%)	260 (24,4%)
Very much	10 (24,4%)	142 (13,3%)
Missing	3 (7,32%)	95 (8,93%)
Patients who felt depressed:		
Not at all	25 (61,0%)	382 (35,9%)
A little	8 (19,5%)	337 (31,7%)
Quite a bit	3 (7,32%)	148 (13,9%)
Very much	2 (4,88%)	80 (7,52%)
Missing	3 (7,32%)	92 (8,65%)
Patients who were tired:		

Not at all	4 (9,76%)	272 (25,6%)
A little	12 (29,3%)	317 (29,8%)
Quite a bit	11 (26,8%)	240 (22,6%)
Very much	11 (26,8%)	124 (11,7%)
Missing	3 (7,32%)	92 (8,65%)

Patients whose pain interfered with their daily activities:

Not at all	9 (22,0%)	412 (38,7%)
A little	6 (14,6%)	250 (23,5%)
Quite a bit	10 (24,4%)	168 (15,8%)
Very much	11 (26,8%)	114 (10,7%)
Missing	3 (7,32%)	97 (9,12%)

Patients who lacked appetite:

Not at all	17 (41,5%)	386 (36,3%)
A little	14 (34,1%)	270 (25,4%)
Quite a bit	3 (7,32%)	171 (16,1%)
Very much	4 (9,76%)	119 (11,2%)
Missing	3 (7,32%)	98 (9,21%)

Just now

Patients who have pain:

Not at all	17 (41,5%)	411 (38,6%)
A little	14 (34,1%)	337 (31,7%)
Quite a bit	5 (12,2%)	150 (14,1%)
Very much	2 (4,88%)	48 (4,51%)
Missing	3 (7,32%)	101 (9,49%)

Patients who need a rest:

Not at all	7 (17,1%)	225 (21,1%)
A little	12 (29,3%)	351 (33,0%)
Quite a bit	13 (31,7%)	263 (24,7%)
Very much	6 (14,6%)	102 (9,59%)
Missing	3 (7,32%)	100 (9,40%)

Patients who feel weak:

Not at all	10 (24,4%)	242 (22,7%)
A little	14 (34,1%)	337 (31,7%)
Quite a bit	8 (19,5%)	257 (24,2%)
Very much	6 (14,6%)	105 (9,87%)
Missing	3 (7,32%)	101 (9,49%)

Patients who are depressed:

Not at all	28 (68,3%)	413 (38,8%)
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A little	8 (19,5%)	338 (31,8%)
Quite a bit	2 (4,88%)	145 (13,6%)
Very much	-	47 (4,42%)
Missing	3 (7,32%)	99 (9,30%)

Patients who are tired:

Not at all	10 (24,4%)	253 (23,8%)
A little	14 (34,1%)	372 (35,0%)
Quite a bit	9 (22,0%)	230 (21,6%)
Very much	5 (12,2%)	88 (8,27%)
Missing	3 (7,32%)	98 (9,21%)

Patients whose pain interferes with their daily activities:

Not at all	16 (39,0%)	378 (35,5%)
A little	7 (17,1%)	285 (26,8%)
Quite a bit	7 (17,1%)	185 (17,4%)
Very much	8 (19,5%)	84 (7,89%)
Missing	3 (7,32%)	103 (9,68%)

Patients who lack appetite:

Not at all	21 (51,2%)	359 (33,7%)
A little	10 (24,4%)	301 (28,3%)
Quite a bit	5 (12,2%)	180 (16,9%)
Very much	2 (4,88%)	98 (9,21%)
Missing	3 (7,32%)	102 (9,59%)

Reasons for change in appetite/food intake

Nausea/Vomiting	4 (9,76%)	161 (15,1%)
Inflammation in mouth	2 (4,88%)	57 (5,36%)
Pain	3 (7,32%)	120 (11,3%)
Constipation	2 (4,88%)	69 (6,48%)
Diarrhea	2 (4,88%)	44 (4,14%)
Change in taste/smell	11 (26,8%)	108 (10,2%)
Early satiation/Loss of appetite	10 (24,4%)	252 (23,7%)
Other	-	201 (18,9%)
Missing	2 (4,88%)	51 (4,79%)

Maximum activity performed by patients

Able to do sports	-	46 (4,32%)
Fully active	1 (2,44%)	141 (13,3%)
Able to carry out light activities	15 (36,6%)	210 (19,7%)
Able to carry out self care	12 (29,3%)	236 (22,2%)
Able to carry out limited self care	5 (12,2%)	156 (14,7%)
Confined to bed or chair	5 (12,2%)	156 (14,7%)

Missing	3 (7,32%)	99 (9,30%)
Patient takes additional (without prescription)		
Nothing	12 (29,3%)	696 (65,4%)
Herbal tea	14 (34,1%)	78 (7,33%)
Nutritional supplements	16 (39,0%)	67 (6,30%)
Multivitamin	1 (2,44%)	37 (3,48%)
Other medication	1 (2,44%)	44 (4,14%)
Other	3 (7,32%)	52 (4,89%)
Missing	3 (7,32%)	125 (11,7%)
Additional activities performed		
Nothing	14 (34,1%)	797 (74,9%)
Psychotherapy	1 (2,44%)	17 (1,60%)
Yoga	1 (2,44%)	10 (0,94%)
Meditation	-	22 (2,07%)
Progressive muscle relaxation	-	15 (1,41%)
Qigong	-	1 (0,09%)
Other	1 (2,44%)	74 (6,95%)
Missing	24 (58,5%)	138 (13,0%)
Patients having difficulties in complying with treatment	7 (17,1%)	246 (23,1%)
Patients needing help to complete questionnaire	23 (56,1%)	640 (60,2%)
Patients believing that including nutrition in their therapeutic approach could provide relevant benefit to them:	37 (90,2%)	639 (60,1%)