

# analyze data

---

## Table of contents

- [analyze data](#)
- [condensed data](#)
- [interactive](#)
- [descriptive stats](#)
- [slides](#)
  - [slide 1](#)
  - [slide 2](#)
  - [slide 3](#)
  - [slide 4](#)
  - [slide 5](#)
  - [slide 6](#)
  - [slide 7](#)
  - [slide 8](#)
  - [slide 9](#)
  - [slide 10](#)
  - [bonus - ci](#)
- [2025-03-18](#)
- [chi-square](#)
- [export data](#)
- [2025-05-26 diagrams](#)

2 3.12.2 | pygwalker: 0.4.9.15 | pandas: 2.2.3 | numpy: 1.26.4 | duckdb: 1.2.2 | pandas-plots: 0.12.23 | connection\_helper: 0.9.7

## condensed data

- defined columns have been transformed

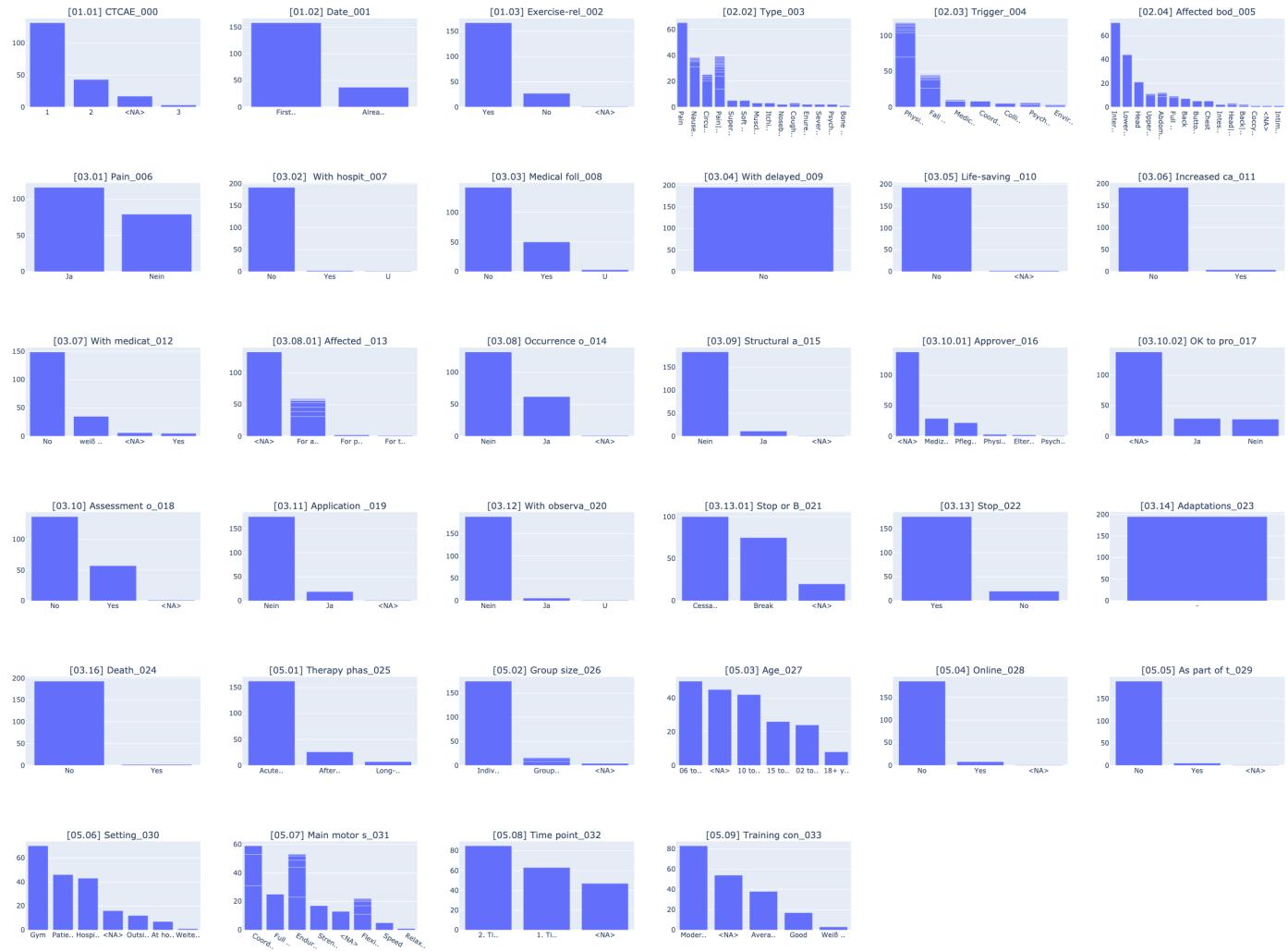
● \*\*\* df: condensed \*\*\*  
 ● shape: (195, 34) columns: ['[01.01] CTCAE' '[01.02] Date' '[01.03] Exercise-related' '[02.02] Type' '[02.03] Trigger' '[02.04] Affected body parts' '[03.01] Pain' '[03.02] With hospitalization' '[03.03] Medical follow-up treatment' '[03.04] With delayed therapy protocol' '[03.05] Life-saving intervention' '[03.06] Increased care needs' '[03.07] With medication administration' '[03.08.01] Affected person' '[03.08] Occurrence of fear and uncertainty' '[03.09] Structural adjustment' '[03.10.01] Approver' '[03.10.02] OK to proceed' '[03.10] Assessment of the situation by expertise' '[03.11] Application RICE rule (Rest, Ice, Compression, Elevation)' '[03.12] With observation' '[03.13.01] Stop or Break' '[03.13] Stop' '[03.14] Adaptations' '[03.16] Death' '[05.01] Therapy phase' '[05.02] Group size' '[05.03] Age' '[05.04] Online' '[05.05] As part of testing' '[05.06] Setting' '[05.07] Main motor skill' '[05.08] Time point' '[05.09] Training condition'  
 ● duplicates: 1  
 ● uniques: {[01.01 CTCAE: 3 01.02 Date: 2 01.03 Exercise-related: 2 02.02 Type: 34 02.03 Trigger:  
 25 02.04 Affected body parts: 20 03.01 Pain: 2 03.02 With hospitalization: 3 03.03 Medical follow-up treatment: 3 03.04 With delayed therapy protocol: 1 03.05 Life-saving intervention:  
 1 03.06 Increased care needs: 2 03.07 With medication administration: 3 03.08.01 Affected person: 10 03.08 Occurrence of fear and uncertainty: 2 03.09 Structural adjustment:  
 2 03.10.01 Approver: 5 03.10.02 OK to proceed: 2 03.10 Assessment of the situation by expertise: 2 03.11 Application RICE rule (Rest Ice Compression Elevation): 2 03.12  
 With observation: 3 03.13.01 Stop or Break: 2 03.13 Stop: 2 03.14 Adaptations: 1 03.16  
 Death: 2 05.01 Therapy phase: 3 05.02 Group size: 4 05.03 Age: 5 05.04 Online: 2 05.05  
 As part of testing: 2 05.06 Setting: 6 05.07 Main motor skill: 17 05.08 Time point: 2 05.09  
 Training condition: 4]}  
 ● missings: {[01.01 CTCAE: 17 01.02 Date: 0 01.03 Exercise-related: 1 02.02 Type: 0 02.03 Trigger:  
 0 02.04 Affected body parts: 1 03.01 Pain: 0 03.02 With hospitalization: 0 03.03 Medical follow-up treatment: 0 03.04 With delayed therapy protocol: 0 03.05 Life-saving intervention:  
 2 03.06 Increased care needs: 0 03.07 With medication administration: 6 03.08.01 Affected person: 133 03.08 Occurrence of fear and uncertainty: 1 03.09 Structural adjustment:  
 1 03.10.01 Approver: 138 03.10.02 OK to proceed: 138 03.10 Assessment of the situation by expertise: 1 03.11 Application RICE rule (Rest Ice Compression Elevation): 1 03.12  
 With observation: 0 03.13.01 Stop or Break: 20 03.13 Stop: 0 03.14 Adaptations: 0 03.16  
 Death: 0 05.01 Therapy phase: 0 05.02 Group size: 4 05.03 Age: 45 05.04 Online: 1 05.05  
 As part of testing: 1 05.06 Setting: 16 05.07 Main motor skill: 13 05.08 Time point: 47  
 05.09 Training condition: 54]}  
 -- column uniques (all)  
 ● index [0, 1, 2, 3, 4]  
 ● [01.01] CTCAE(4|object) ['1', '2', '3', '']  
 ● [01.02] Date(2|object) ['Already present', 'First occurrence']  
 ● [01.03] Exercise-related(3|object) ['', 'No', 'Yes']  
 ● [02.02] Type(34|object) ['Bone injuries', 'Circulatory problems', 'Muscle cramps',  
 'Circulatory problems|Psychological stress reaction', 'Circulatory problems|Severe exhaustion']  
 ● [02.03] Trigger(25|object) ['Colliding', 'Coordination problems', 'Environmental conditions', 'Environmental conditions|Colliding',  
 'Fall event']  
 ● [02.04] Affected body parts(21|object) ['Abdomen', 'Abdomen|Coccyx', 'Abdomen|Intestine', 'Back']  
 ● [03.01] Pain(2|object) ['Ja', 'Nein']  
 ● [03.02] With hospitalization(3|object) ['No', 'U', 'Yes']  
 ● [03.03] Medical follow-up treatment(3|object) ['No', 'U', 'Yes']  
 ● [03.04] With delayed therapy protocol(1|object) ['No']  
 ● [03.05] Life-saving intervention(2|object) ['No']  
 ● [03.06] Increased care needs(2|object) ['No', 'Yes']  
 ● [03.07] With medication administration(4|object) ['No', 'Yes', 'weiß nicht']  
 ● [03.08.01] Affected person(11|object) ['For affected individuals', 'For affected individuals|For parents des Betroffenen',  
 'For affected individuals|For parents des Betroffenen|In the treatment team',  
 'For affected individuals|For the exercise experts']  
 ● [03.08] Occurrence of fear and uncertainty(3|object) ['Ja', 'Nein']  
 ● [03.09] Structural adjustment(3|object) ['Ja', 'Nein']  
 ● [03.10.01] Approver(6|object) ['Eltern', 'Medizin', 'Pflege', 'Physiotherapie']  
 ● [03.10.02] OK to proceed(3|object) ['Ja', 'Nein']  
 ● [03.10] Assessment of the situation by expertise(3|object) ['No', 'Yes']  
 ● [03.11] Application RICE rule (Rest, Ice, Compression, Elevation)(3|object) ['Ja', 'Nein']  
 ● [03.12] With observation(3|object) ['Ja', 'Nein', 'U']  
 ● [03.13.01] Stop or Break(3|object) ['Break', 'Cessation']  
 ● [03.13] Stop(2|object) ['No', 'Yes']  
 ● [03.14] Adaptations(1|object) ['']

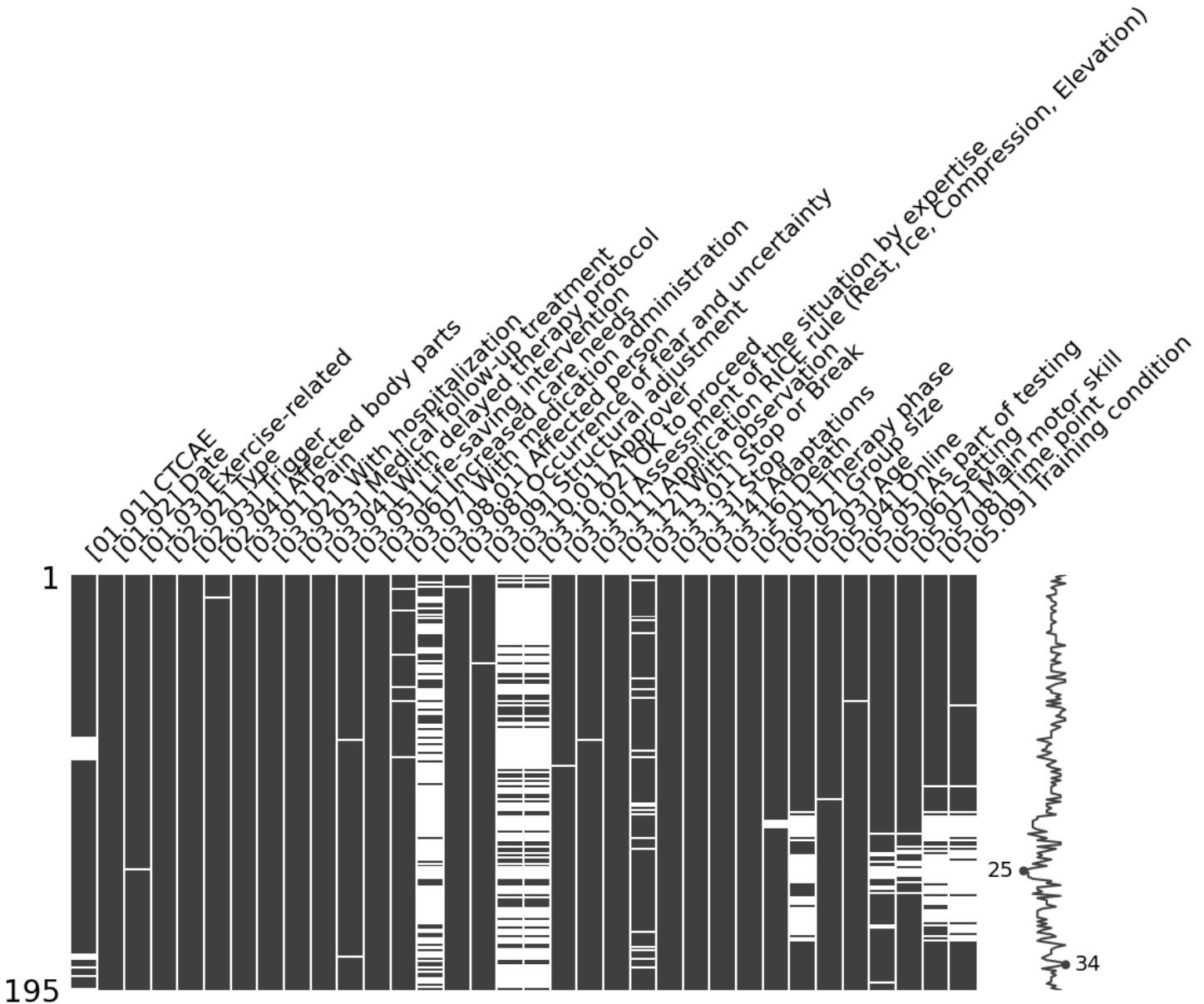
- [03.16] Death(2|object) ['No', 'Yes']
- [05.01] Therapy phase(3|object) ['Acute therapy', 'Aftercare', 'Long-term therapy']
- [05.02] Group size(5|object) ['Group 2-5', 'Group 5 to 10', 'Group over 10', 'Individual']
- [05.03] Age(6|object) ['02 to 05 years', '06 to 09 years', '10 to 14 years', '15 to 18 years', '18+ years']
- [05.04] Online(3|object) ['No', 'Yes']
- [05.05] As part of testing(3|object) ['No', 'Yes']
- [05.06] Setting(7|object) ['At home (via telemedicine)', 'Gym', 'Hospital corridor', 'Outside']
- [05.07] Main motor skill(18|object) ['Coordination', 'Coordination|Speed', 'Coordination|Strength', 'Endurance']
- [05.08] Time point(3|object) ['1. Time point', '2. Time point', '']
- [05.09] Training condition(5|object) ['Average', 'Good', 'Moderate', 'Weiß nicht']

-- column stats (numeric)

[01.01]	CTCAE	[01.02]	Date	[01.03]	Exercise-related	[02.02]	Type	[02.03]	Trigger	[02.04]	Affected body parts	[03.01]	Pain	[03.02]	With hospitalization	[03.03]	Medical follow-up treatment	[03.04]	With delayed therapy protocol	[03.16]	Death	[05.01]	Therapy phase	[05.02]	Group size	[05.03]	Age	[05.04]	Online	[05.05]	As part of testing	[05.06]	Setting	[05.07]	Main motor skill	[05.08]	Time point	[05.09]	Training condition
0	2	Already present	No	Nausea/Vomiting	Physical strain/Medical therapy	Internal medicine type	Nein	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Hospital corridor	Individual	10 to 14 years	No	No	No	No	No	2. Time point	Average					
1	1	First occurrence	Yes	Pain	Coordination problems	Back/Buttocks	Ja	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Good						
2	2	Already present	No	Circulatory problems	Medical therapy	Internal medicine type	Nein	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Moderate					

3 rows x 34 columns





## 📍 interactive

### descriptive stats

```
[['[01.01] CTCAE',
'[01.02] Date',
'[01.03] Exercise-related',
'[02.02] Type',
'[02.03] Trigger',
'[02.04] Affected body parts',
'[03.02] With hospitalization',
'[03.03] Medical follow-up treatment',
'[03.04] With delayed therapy protocol',
'[03.06] Increased care needs',
'[03.07] With medication administration',
'[03.08] Occurrence of fear and uncertainty',
'[03.08.01] Affected person',
'[03.09] Structural adjustment',
'[03.10] Assessment of the situation by expertise',
'[03.10.01] Approver',
'[03.11] Application RICE rule (Rest, Ice, Compression, Elevation)',
'[03.12] With observation',
'[03.13] Stop',
'[03.13.01] Stop or Break',
'[03.14] Adaptations',
'[05.01] Therapy phase',
'[05.02] Group size',
'[05.03] Age',
'[05.04] Online',
'[05.05] As part of testing',
'[05.06] Setting',
'[05.07] Main motor skill',
'[05.08] Time point',
'[05.09] Training condition']]
```

[01.01] CTCAE		1	2	3	Total
[01.02] Date					
Already present	23 (12.9%)	8 (4.5%)	1 (0.6%)	32 (18.0%)	
First occurrence	109 (61.2%)	35 (19.7%)	2 (1.1%)	146 (82.0%)	
Total	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
[01.03] Exercise-related					
No	19 (10.7%)	7 (4.0%)	1 (0.6%)	27 (15.3%)	
Yes	112 (63.3%)	36 (20.3%)	2 (1.1%)	150 (84.7%)	
Total	131 (74.0%)	43 (24.3%)	3 (1.7%)	177 (100.0%)	
[01.01] CTCAE		1	2	3	Total
[02.02] Type					
Bone injuries	0	0	2 (0.9%)	2 (0.9%)	
Circulatory problems	28 (12.3%)	2 (0.9%)	0	30 (13.2%)	
Coughing fit	4 (1.8%)	0	0	4 (1.8%)	
Enuresis	2 (0.9%)	0	0	2 (0.9%)	
Itching	3 (1.3%)	1 (0.4%)	0	4 (1.8%)	
Muscle cramps	1 (0.4%)	0	0	1 (0.4%)	
Muscle soreness	4 (1.8%)	2 (0.9%)	0	6 (2.6%)	
Nausea/Vomiting	31 (13.6%)	4 (1.8%)	0	35 (15.4%)	
Nosebleed	1 (0.4%)	1 (0.4%)	0	2 (0.9%)	
Pain	61 (26.8%)	30 (13.2%)	2 (0.9%)	93 (40.8%)	
Psychological stress reaction	6 (2.6%)	1 (0.4%)	0	7 (3.1%)	
Severe exhaustion	4 (1.8%)	0	0	4 (1.8%)	
Soft tissue/injury	7 (3.1%)	14 (6.1%)	0	21 (9.2%)	
Spontaneous painful bowel movement	2 (0.9%)	0	0	2 (0.9%)	
Superficial injuries	7 (3.1%)	8 (3.5%)	0	15 (6.6%)	
Total	161 (70.6%)	63 (27.6%)	4 (1.8%)	228 (100.0%)	
[01.01] CTCAE		1	2	3	Total
[02.03] Trigger					
Colliding	7 (2.5%)	2 (0.7%)	0	9 (3.2%)	
Coordination problems	14 (4.9%)	8 (2.8%)	1 (0.4%)	23 (8.1%)	
Environmental conditions	5 (1.8%)	2 (0.7%)	0	7 (2.5%)	
Fall event	21 (7.4%)	19 (6.7%)	1 (0.4%)	41 (14.4%)	
Medical therapy	67 (23.6%)	11 (3.9%)	0	78 (27.5%)	
Other	1 (0.4%)	0	0	1 (0.4%)	
Physical strain	93 (32.7%)	17 (6.0%)	2 (0.7%)	112 (39.4%)	
Psychological strain	11 (3.9%)	2 (0.7%)	0	13 (4.6%)	
Total	219 (77.1%)	61 (21.5%)	4 (1.4%)	284 (100.0%)	

[01.01] CTCAE		1	2	3	Total
<b>[02.04] Affected body parts</b>					
<b>Abdomen</b>	7 (3.8%)	4 (2.2%)	0	11 (5.9%)	
<b>Back</b>	6 (3.2%)	3 (1.6%)	0	9 (4.8%)	
<b>Buttocks</b>	5 (2.7%)	2 (1.1%)	0	7 (3.8%)	
<b>Chest</b>	4 (2.2%)	1 (0.5%)	0	5 (2.7%)	
<b>Coccyx</b>	2 (1.1%)	0	0	2 (1.1%)	
<b>Full body</b>	6 (3.2%)	2 (1.1%)	1 (0.5%)	9 (4.8%)	
<b>Head</b>	10 (5.4%)	11 (5.9%)	0	21 (11.3%)	
<b>Internal medicine type</b>	59 (31.7%)	6 (3.2%)	0	65 (34.9%)	
<b>Intestine</b>	2 (1.1%)	0	0	2 (1.1%)	
<b>Intimate area</b>	0	1 (0.5%)	0	1 (0.5%)	
<b>Lower extremities</b>	30 (16.1%)	11 (5.9%)	2 (1.1%)	43 (23.1%)	
<b>Upper extremities</b>	5 (2.7%)	6 (3.2%)	0	11 (5.9%)	
<b>Total</b>	136 (73.1%)	47 (25.3%)	3 (1.6%)	186 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.02] With hospitalization</b>					
<b>No</b>	131 (73.6%)	43 (24.2%)	1 (0.6%)	175 (98.3%)	
<b>U</b>	0	0	1 (0.6%)	1 (0.6%)	
<b>Yes</b>	1 (0.6%)	0	1 (0.6%)	2 (1.1%)	
<b>Total</b>	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.03] Medical follow-up treatment</b>					
<b>No</b>	120 (67.4%)	8 (4.5%)	0	128 (71.9%)	
<b>U</b>	3 (1.7%)	0	0	3 (1.7%)	
<b>Yes</b>	9 (5.1%)	35 (19.7%)	3 (1.7%)	47 (26.4%)	
<b>Total</b>	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.04] With delayed therapy protocol</b>					
<b>No</b>	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
<b>Total</b>	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.06] Increased care needs</b>					
<b>No</b>	131 (73.6%)	43 (24.2%)	0	174 (97.8%)	
<b>Yes</b>	1 (0.6%)	0	3 (1.7%)	4 (2.2%)	
<b>Total</b>	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.07] With medication administration</b>					
<b>No</b>	111 (64.2%)	25 (14.5%)	0	136 (78.6%)	
<b>Yes</b>	0	2 (1.2%)	3 (1.7%)	5 (2.9%)	
<b>weiß nicht</b>	20 (11.6%)	12 (6.9%)	0	32 (18.5%)	
<b>Total</b>	131 (75.7%)	39 (22.5%)	3 (1.7%)	173 (100.0%)	

[01.01] CTCAE		1	2	3	Total
<b>[03.08] Occurrence of fear and uncertainty</b>					
Ja	33 (18.6%)	21 (11.9%)	2 (1.1%)	56 (31.6%)	
Nein	99 (55.9%)	22 (12.4%)	0	121 (68.4%)	
Total	132 (74.6%)	43 (24.3%)	2 (1.1%)	177 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.08.01] Affected person</b>					
For affected individuals	33 (37.5%)	19 (21.6%)	2 (2.3%)	54 (61.4%)	
For parents des Betroffenen	2 (2.3%)	3 (3.4%)	1 (1.1%)	6 (6.8%)	
For the excercise experts	3 (3.4%)	4 (4.5%)	1 (1.1%)	8 (9.1%)	
In the treatment team	9 (10.2%)	1 (1.1%)	2 (2.3%)	12 (13.6%)	
mit der Ablehnung weiter sporttherapeutischer Angebote	5 (5.7%)	3 (3.4%)	0	8 (9.1%)	
Total	52 (59.1%)	30 (34.1%)	6 (6.8%)	88 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.09] Structural adjustment</b>					
Ja	5 (2.8%)	4 (2.3%)	1 (0.6%)	10 (5.6%)	
Nein	127 (71.8%)	38 (21.5%)	2 (1.1%)	167 (94.4%)	
Total	132 (74.6%)	42 (23.7%)	3 (1.7%)	177 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.10] Assessment of the situation by expertise</b>					
No	102 (57.6%)	19 (10.7%)	0	121 (68.4%)	
Yes	29 (16.4%)	24 (13.6%)	3 (1.7%)	56 (31.6%)	
Total	131 (74.0%)	43 (24.3%)	3 (1.7%)	177 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.10.01] Approver</b>					
Eltern	2 (3.6%)	0	0	2 (3.6%)	
Medizin	10 (17.9%)	15 (26.8%)	3 (5.4%)	28 (50.0%)	
Pflege	15 (26.8%)	7 (12.5%)	0	22 (39.3%)	
Physiotherapie	1 (1.8%)	2 (3.6%)	0	3 (5.4%)	
Psychosozialer Dienst	1 (1.8%)	0	0	1 (1.8%)	
Total	29 (51.8%)	24 (42.9%)	3 (5.4%)	56 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.11] Application RICE rule (Rest, Ice, Compression, Elevation)</b>					
Ja	2 (1.1%)	14 (7.9%)	2 (1.1%)	18 (10.1%)	
Nein	130 (73.0%)	29 (16.3%)	1 (0.6%)	160 (89.9%)	
Total	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.12] With observation</b>					
Ja	3 (1.7%)	2 (1.1%)	1 (0.6%)	6 (3.4%)	
Nein	128 (71.9%)	41 (23.0%)	2 (1.1%)	171 (96.1%)	
U	1 (0.6%)	0	0	1 (0.6%)	
Total	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	

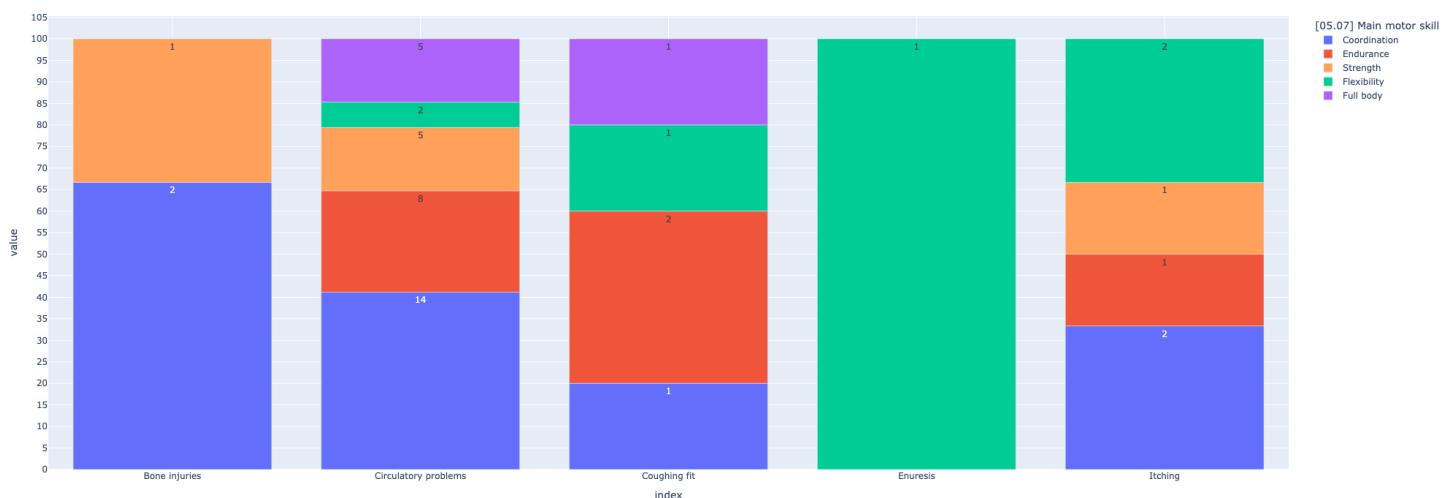
[01.01] CTCAE		1	2	3	Total
<b>[03.13] Stop</b>					
No	11 (6.2%)	5 (2.8%)	0	16 (9.0%)	
Yes	121 (68.0%)	38 (21.3%)	3 (1.7%)	162 (91.0%)	
Total	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.13.01] Stop or Break</b>					
Break	53 (32.7%)	16 (9.9%)	1 (0.6%)	70 (43.2%)	
Cessation	68 (42.0%)	22 (13.6%)	2 (1.2%)	92 (56.8%)	
Total	121 (74.7%)	38 (23.5%)	3 (1.9%)	162 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[03.14] Adaptations</b>					
-	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
Total	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[05.01] Therapy phase</b>					
Acute therapy	119 (66.9%)	27 (15.2%)	1 (0.6%)	147 (82.6%)	
Aftercare	9 (5.1%)	14 (7.9%)	2 (1.1%)	25 (14.0%)	
Long-term therapy	4 (2.2%)	2 (1.1%)	0	6 (3.4%)	
Total	132 (74.2%)	43 (24.2%)	3 (1.7%)	178 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[05.02] Group size</b>					
Group 2-5	1 (0.6%)	1 (0.6%)	0	2 (1.1%)	
Group 5 to 10	1 (0.6%)	4 (2.3%)	1 (0.6%)	6 (3.4%)	
Group over 10	0	6 (3.4%)	0	6 (3.4%)	
Individual	126 (72.4%)	32 (18.4%)	2 (1.1%)	160 (92.0%)	
Total	128 (73.6%)	43 (24.7%)	3 (1.7%)	174 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[05.03] Age</b>					
02 to 05 years	13 (9.8%)	10 (7.5%)	0	23 (17.3%)	
06 to 09 years	34 (25.6%)	6 (4.5%)	0	40 (30.1%)	
10 to 14 years	29 (21.8%)	9 (6.8%)	0	38 (28.6%)	
15 to 18 years	17 (12.8%)	6 (4.5%)	1 (0.8%)	24 (18.0%)	
18+ years	3 (2.3%)	3 (2.3%)	2 (1.5%)	8 (6.0%)	
Total	96 (72.2%)	34 (25.6%)	3 (2.3%)	133 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[05.04] Online</b>					
No	126 (71.2%)	41 (23.2%)	3 (1.7%)	170 (96.0%)	
Yes	5 (2.8%)	2 (1.1%)	0	7 (4.0%)	
Total	131 (74.0%)	43 (24.3%)	3 (1.7%)	177 (100.0%)	
[01.01] CTCAE		1	2	3	Total
<b>[05.05] As part of testing</b>					
No	128 (72.3%)	42 (23.7%)	3 (1.7%)	173 (97.7%)	
Yes	4 (2.3%)	0	0	4 (2.3%)	
Total	132 (74.6%)	42 (23.7%)	3 (1.7%)	177 (100.0%)	

[01.01] CTCAE		1	2	3	Total
[05.06] Setting					
At home (via telemedicine)	5 (3.1%)	2 (1.2%)	0	7 (4.3%)	
Gym	40 (24.7%)	19 (11.7%)	2 (1.2%)	61 (37.7%)	
Hospital corridor	34 (21.0%)	7 (4.3%)	0	41 (25.3%)	
Outside	6 (3.7%)	4 (2.5%)	1 (0.6%)	11 (6.8%)	
Patients room	33 (20.4%)	9 (5.6%)	0	42 (25.9%)	
Total	118 (72.8%)	41 (25.3%)	3 (1.9%)	162 (100.0%)	
[01.01] CTCAE		1	2	3	Total
[05.07] Main motor skill					
Coordination	58 (25.2%)	20 (8.7%)	3 (1.3%)	81 (35.2%)	
Endurance	37 (16.1%)	11 (4.8%)	0	48 (20.9%)	
Flexibility	21 (9.1%)	3 (1.3%)	0	24 (10.4%)	
Full body	19 (8.3%)	5 (2.2%)	0	24 (10.4%)	
Relaxation	2 (0.9%)	0	0	2 (0.9%)	
Speed	5 (2.2%)	5 (2.2%)	0	10 (4.3%)	
Strength	27 (11.7%)	13 (5.7%)	1 (0.4%)	41 (17.8%)	
Total	169 (73.5%)	57 (24.8%)	4 (1.7%)	230 (100.0%)	
[01.01] CTCAE		1	2	3	Total
[05.08] Time point					
1. Time point	50 (38.2%)	6 (4.6%)	2 (1.5%)	58 (44.3%)	
2. Time point	45 (34.4%)	27 (20.6%)	1 (0.8%)	73 (55.7%)	
Total	95 (72.5%)	33 (25.2%)	3 (2.3%)	131 (100.0%)	
[01.01] CTCAE		1	2	3	Total
[05.09] Training condition					
Average	25 (20.2%)	11 (8.9%)	0	36 (29.0%)	
Good	10 (8.1%)	2 (1.6%)	0	12 (9.7%)	
Moderate	53 (42.7%)	17 (13.7%)	3 (2.4%)	73 (58.9%)	
Weiß nicht	3 (2.4%)	0	0	3 (2.4%)	
Total	91 (73.4%)	30 (24.2%)	3 (2.4%)	124 (100.0%)	

## slides

### slide 1

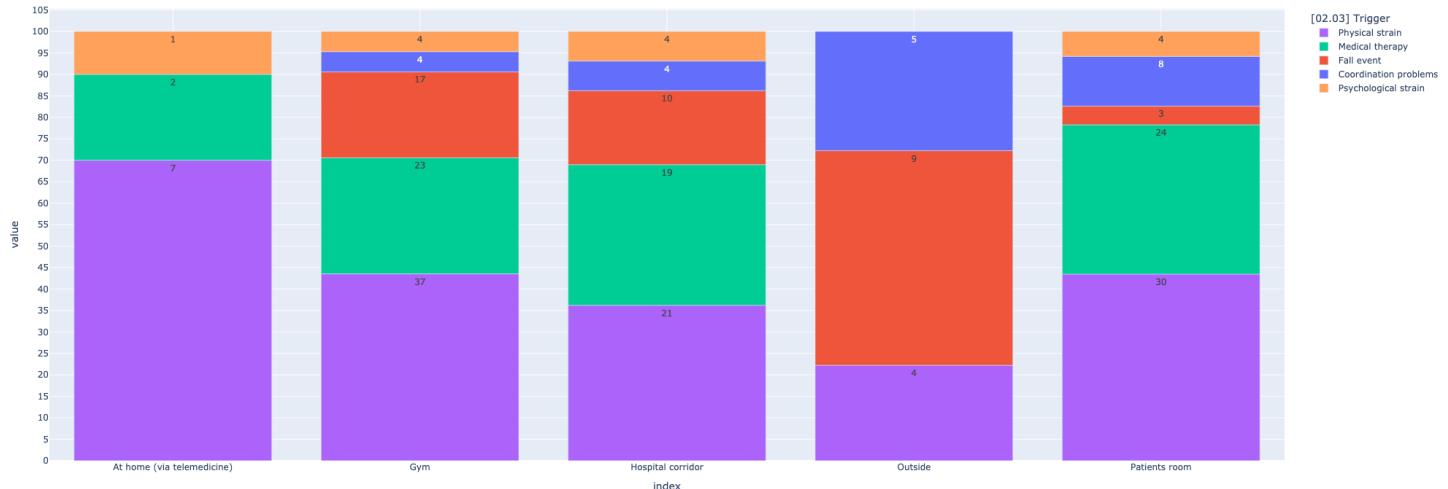
TOP5 [[02.02] Type] by TOP5 [[05.07] Main motor skill], NULL excluded, n=56 (299)



[02.02] Type	Bone injuries	Circulatory problems	Coughing fit	Enuresis	Itching	Muscle cramps	Muscle soreness	Nausea/Vomiting	Nosebleed	Pain	Psychological stress reaction	Severe exhaustion	Soft tissue/injury	Spontaneous painful bowel movement	Superficial injuries	Total
<b>[05.07] Main motor skill</b>																
Coordination	2 (6.7%)	3 (8.1%)	0	1 (50.0%)	0	0	0	0	3 (6.5%)	0	6 (4.5%)	0	0	0	14 (45.2%)	14 (4.5%)
Endurance	0	8 (21.6%)	2 (40.0%)	0	1 (16.7%)	0	2 (20.6%)	0	8 (17.4%)	0	51 (38.6%)	2 (22.2%)	0	1 (25.0%)	9 (37.5%)	104 (33.2%)
Flexibility	0	2 (5.4%)	1 (20.0%)	1 (50.0%)	2 (33.3%)	0	0	0	8 (17.4%)	0	26 (19.7%)	1 (11.1%)	4 (12.9%)	1 (25.0%)	7 (29.2%)	61 (19.5%)
Full body	0	5 (13.5%)	1 (20.0%)	0	0	0	0	1 (14.3%)	0	8 (17.4%)	0	1 (7.6%)	2 (50.0%)	2 (6.5%)	1 (25.0%)	31 (9.9%)
Relaxation	0	0	0	0	0	0	0	0	1 (2.2%)	0	1 (0.8%)	0	0	1 (35.0%)	0	29 (9.3%)
Speed	0	0	0	0	0	0	0	0	0	0	0	0	0	4 (16.7%)	4 (12.5%)	18 (5.8%)
Strength	1 (33.3%)	5 (13.5%)	0	0	1 (16.7%)	1 (100.0%)	4 (57.1%)	9 (19.6%)	1 (50.0%)	19 (14.4%)	2 (22.2%)	1 (25.0%)	6 (19.4%)	0	3 (12.5%)	53 (16.9%)
<b>Total</b>	<b>3 (100.0%)</b>	<b>37 (100.0%)</b>	<b>5 (100.0%)</b>	<b>2 (100.0%)</b>	<b>6 (100.0%)</b>	<b>1 (100.0%)</b>	<b>7 (100.0%)</b>	<b>46 (100.0%)</b>	<b>2 (100.0%)</b>	<b>132 (100.0%)</b>	<b>9 (100.0%)</b>	<b>4 (100.0%)</b>	<b>31 (100.0%)</b>	<b>4 (100.0%)</b>	<b>24 (100.0%)</b>	<b>313 (100.0%)</b>

## slide 2

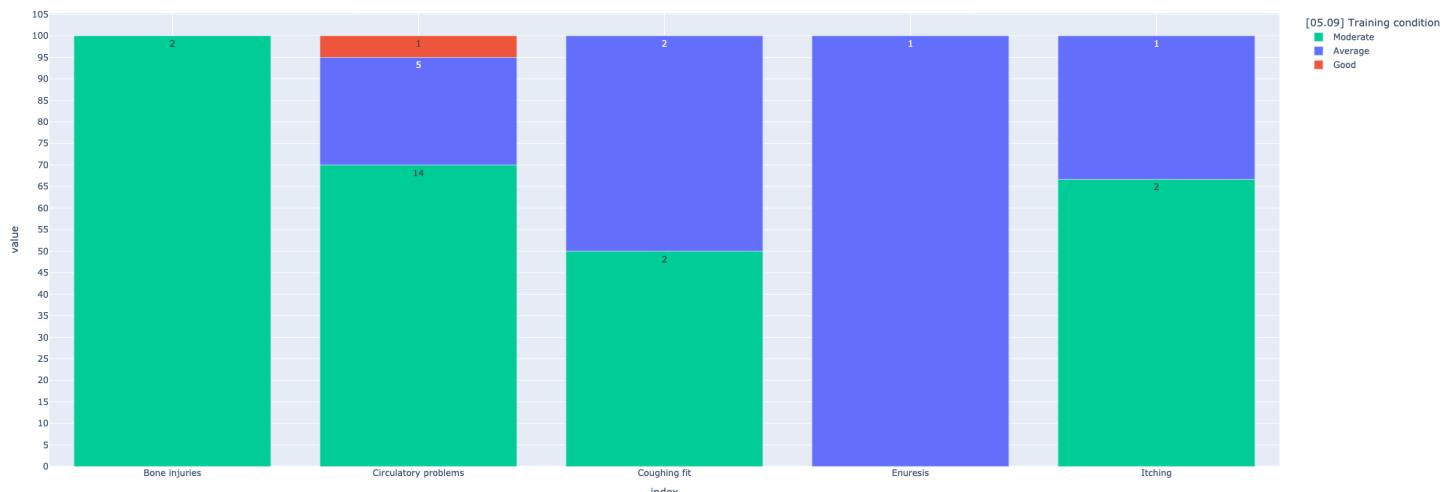
TOP5 [[05.06] Setting] by TOP5 [[02.03] Trigger], NULL excluded, n=28 (256)



[05.06] Setting	At home (via telemedicine)	Gym	Hospital corridor	Outside	Patients room	Total	
<b>[02.03] Trigger</b>							
Colliding	0	0	3 (3.4%)	3 (4.6%)	0	3 (4.1%)	9 (3.2%)
Coordination problems	2 (7.1%)	0	4 (4.5%)	4 (6.2%)	5 (26.3%)	8 (11.0%)	23 (8.1%)
Environmental conditions	1 (3.6%)	0	0	4 (6.2%)	1 (5.3%)	1 (1.4%)	7 (2.5%)
Fall event	2 (7.1%)	0	17 (19.1%)	10 (15.4%)	9 (47.4%)	3 (4.1%)	41 (14.4%)
Medical therapy	10 (35.7%)	2 (20.0%)	23 (25.8%)	19 (29.2%)	0	24 (32.9%)	78 (27.5%)
Other	0	0	1 (1.1%)	0	0	0	1 (0.4%)
Physical strain	13 (46.4%)	7 (70.0%)	37 (41.6%)	21 (32.3%)	4 (21.1%)	30 (41.1%)	112 (39.4%)
Psychological strain	0	1 (10.0%)	4 (4.5%)	4 (6.2%)	0	4 (5.5%)	13 (4.6%)
<b>Total</b>	<b>28 (100.0%)</b>	<b>10 (100.0%)</b>	<b>89 (100.0%)</b>	<b>65 (100.0%)</b>	<b>19 (100.0%)</b>	<b>73 (100.0%)</b>	<b>284 (100.0%)</b>

## slide 3

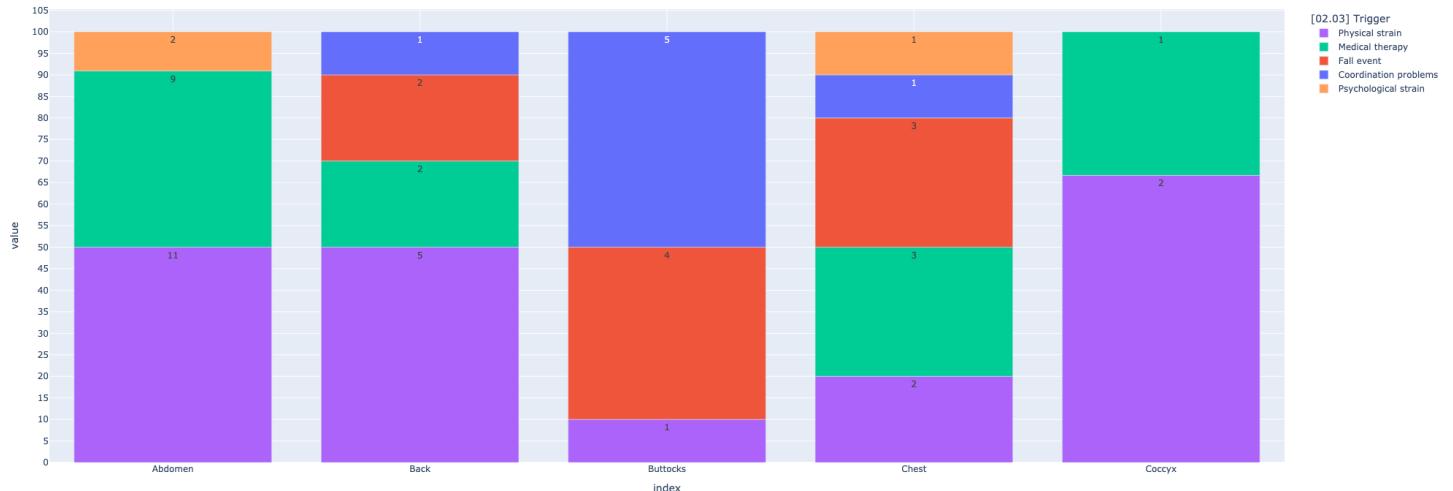
TOP5 [[02.02] Type] by TOP5 [[05.09] Training condition], NULL excluded, n=33 (163)



[02.02] Type	Bone injuries	Circulatory problems	Coughing fit	Enuresis	Itching	Muscle cramps	Muscle soreness	Nausea/Vomiting	Nosebleed	Pain	Psychological stress reaction	Severe exhaustion	Soft tissue/injury	Spontaneous painful bowel movement	Superficial injuries	Total
[05.09] Training condition																
Average	0	10 (33.3%)	0	1 (50.0%)	1 (25.0%)	0	1 (16.7%)	12 (34.3%)	0	30 (32.3%)	0	0	6 (28.6%)	0	4 (26.7%)	65 (28.5%)
Good	0	5 (16.7%)	2 (50.0%)	1 (50.0%)	1 (25.0%)	0	1 (16.7%)	9 (25.7%)	0	15 (16.1%)	3 (42.9%)	2 (50.0%)	7 (33.3%)	0	3 (21.5%)	49 (21.5%)
Moderate	2 (100.0%)	14 (46.7%)	2 (50.0%)	0	2 (50.0%)	1 (66.7%)	4 (66.7%)	12 (34.3%)	2 (100.0%)	38 (40.9%)	3 (42.9%)	2 (50.0%)	6 (28.6%)	1 (50.0%)	7 (46.7%)	96 (42.1%)
Weiß nicht	0	0	0	0	0	0	0	0	0	3 (2.3%)	0	0	0	1 (50.0%)	0	4 (1.8%)
Total	2 (100.0%)	30 (100.0%)	4 (100.0%)	2 (100.0%)	4 (100.0%)	1 (100.0%)	6 (100.0%)	35 (100.0%)	2 (100.0%)	93 (100.0%)	7 (100.0%)	4 (100.0%)	21 (100.0%)	2 (100.0%)	15 (100.0%)	228 (100.0%)

## slide 4

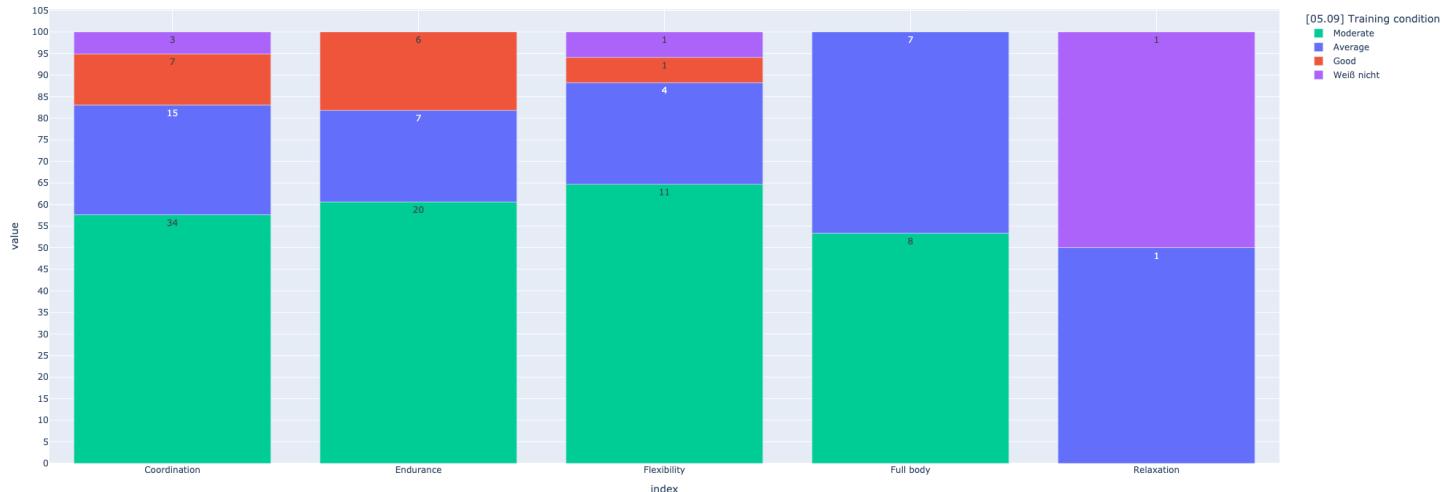
TOP5 [[02.04] Affected body parts] by TOP5 [[02.03] Trigger], NULL excluded, n=49 (297)



[02.04] Affected body parts	Abdomen	Back	Buttocks	Chest	Coccyx	Full body	Head	Internal medicine type	Intestine	Intimate area	Lower extremities	Upper extremities	Total	
[02.03] Trigger														
Colliding	0	0	0	1 (9.1%)	0	1 (25.0%)	0	2 (6.2%)	0	1 (100.0%)	2 (14.3%)	2 (3.8%)	9 (3.0%)	
Coordination problems	0	0	1 (9.1%)	5 (50.0%)	1 (10.0%)	0	0	5 (15.6%)	0	0	12 (20.0%)	3 (21.4%)	27 (9.0%)	
Environmental conditions	0	0	0	0	0	0	0	2 (6.2%)	3 (2.5%)	0	0	2 (3.8%)	7 (2.3%)	
Fall event	0	0	2 (18.2%)	4 (40.0%)	3 (30.0%)	0	0	10 (31.2%)	1 (0.8%)	0	18 (30.0%)	7 (50.0%)	45 (15.1%)	
Medical therapy	0	9 (40.9%)	2 (18.2%)	0	3 (30.0%)	1 (25.0%)	2 (18.2%)	7 (21.9%)	51 (43.2%)	2 (50.0%)	0	3 (5.0%)	81 (27.1%)	
Other	0	0	0	0	0	0	0	1 (3.1%)	0	0	0	0	1 (0.3%)	
Physical strain	1 (50.0%)	11 (50.0%)	5 (45.5%)	1 (10.0%)	2 (20.0%)	2 (50.0%)	8 (72.7%)	5 (15.6%)	57 (48.3%)	2 (50.0%)	0	21 (35.0%)	116 (38.8%)	
Psychological strain	1 (50.0%)	2 (9.1%)	0	0	1 (10.0%)	0	1 (9.1%)	0	6 (5.1%)	0	0	2 (3.3%)	13 (4.3%)	
Total	2 (100.0%)	22 (100.0%)	11 (100.0%)	10 (100.0%)	10 (100.0%)	4 (100.0%)	11 (100.0%)	32 (100.0%)	118 (100.0%)	4 (100.0%)	1 (100.0%)	60 (100.0%)	14 (100.0%)	299 (100.0%)

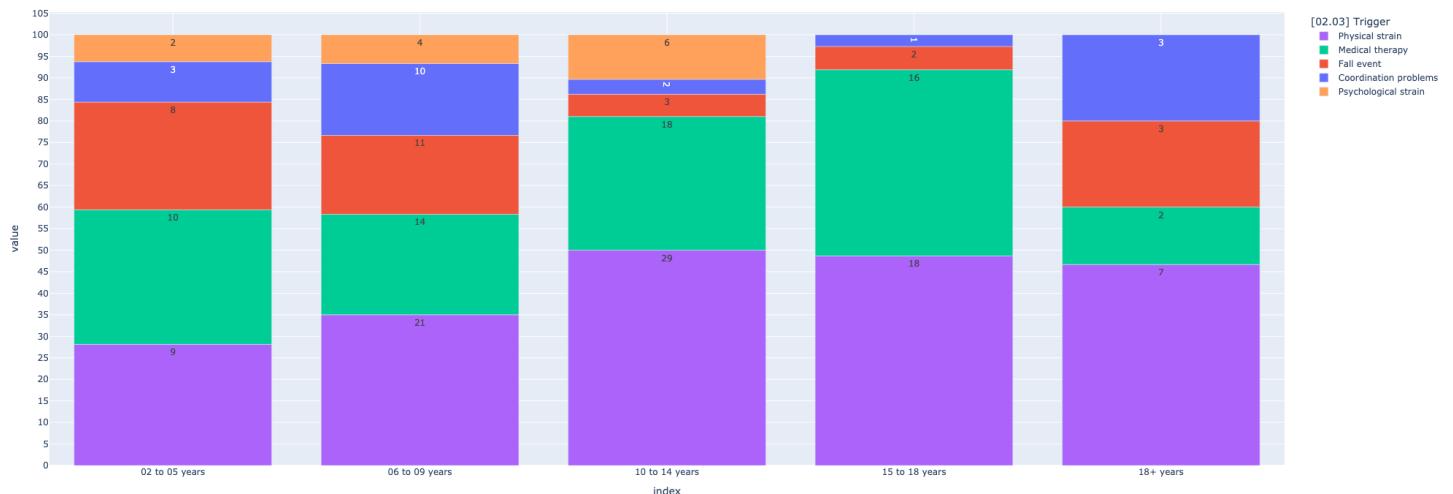
## slide 5

TOP5 [[05.07] Main motor skill] by TOP5 [[05.09] Training condition], NULL excluded, n=21 (169)



## slide 6

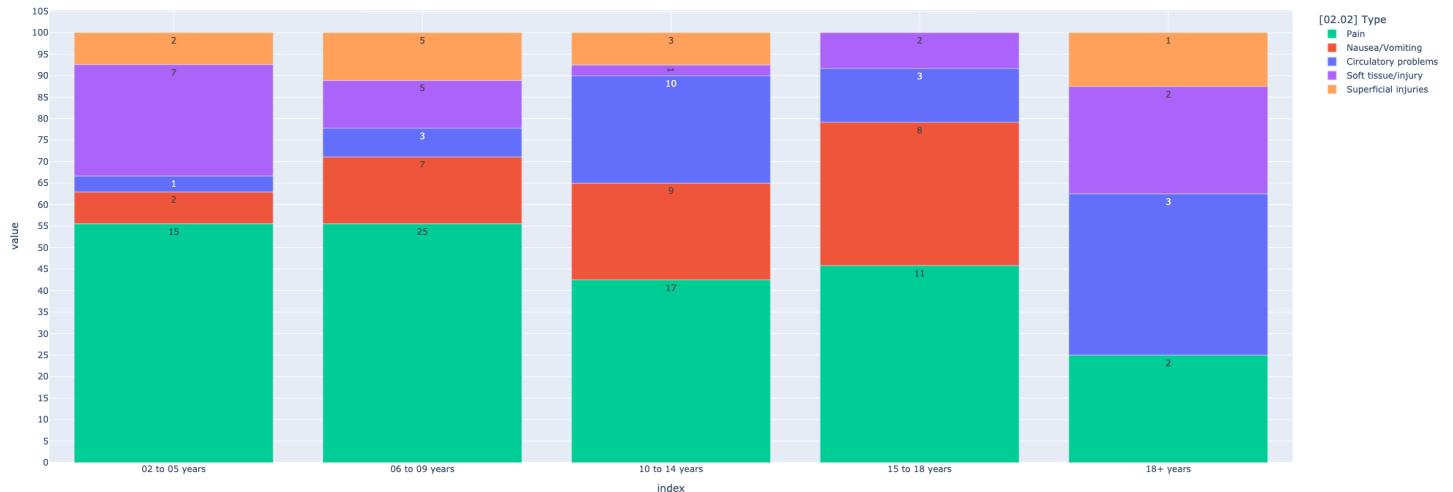
TOP5 [[05.03] Age] by TOP5 [[02.03] Trigger], NULL excluded, n=30 (216)



[05.03] Age	02 to 05 years	06 to 09 years	10 to 14 years	15 to 18 years	18+ years	Total
[02.03] Trigger						
<b>Colliding</b>	3 (7.9%)	4 (6.2%)	1 (1.7%)	1 (2.6%)	0	9 (3.2%)
<b>Coordination problems</b>	3 (7.9%)	10 (15.6%)	2 (3.3%)	1 (2.6%)	3 (20.0%)	23 (8.1%)
<b>Environmental conditions</b>	3 (7.9%)	0	1 (1.7%)	0	0	7 (2.5%)
<b>Fall event</b>	8 (21.1%)	11 (17.2%)	3 (5.0%)	2 (5.1%)	3 (20.0%)	41 (14.4%)
<b>Medical therapy</b>	10 (26.3%)	14 (21.9%)	18 (30.0%)	16 (41.0%)	2 (13.3%)	78 (27.5%)
<b>Other</b>	0	0	0	1 (2.6%)	0	1 (0.4%)
<b>Physical strain</b>	9 (23.7%)	21 (32.8%)	29 (48.3%)	18 (46.2%)	7 (46.7%)	112 (39.4%)
<b>Psychological strain</b>	2 (5.3%)	4 (6.2%)	6 (10.0%)	0	0	13 (4.6%)
<b>Total</b>	38 (100.0%)	64 (100.0%)	60 (100.0%)	39 (100.0%)	15 (100.0%)	68 (100.0%)
						284 (100.0%)

## slide 7

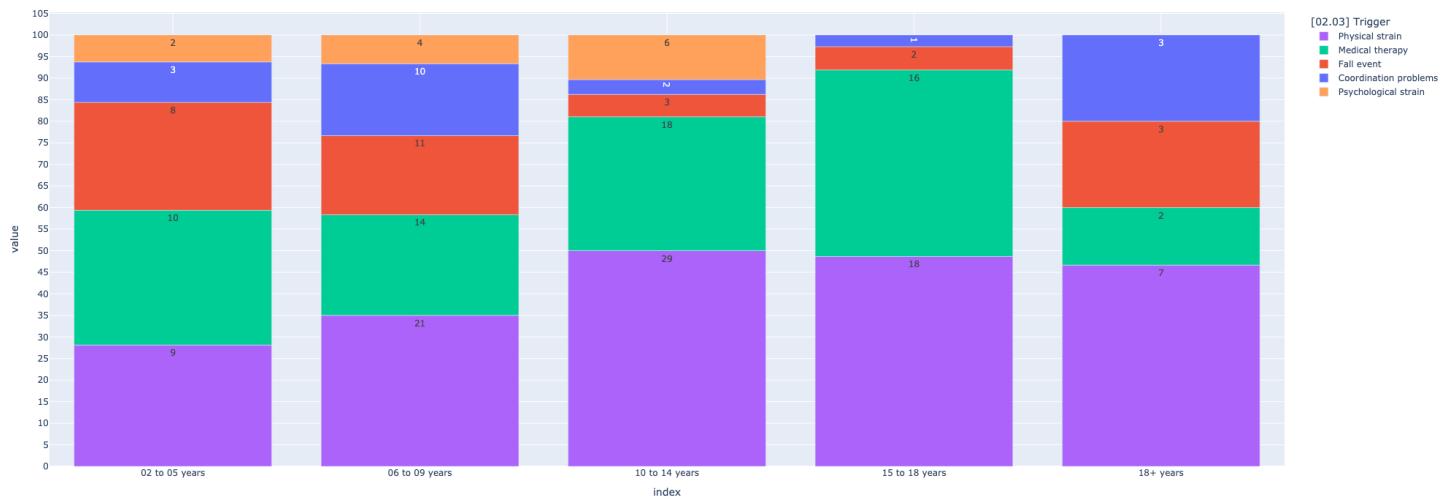
TOP5 [[05.03] Age] by TOP5 [[02.02] Type], NULL excluded, n=43 (174)



[05.03] Age	02 to 05 years	06 to 09 years	10 to 14 years	15 to 18 years	18+ years	Total
[02.02] Type						
<b>Bone injuries</b>	0	0	0	1 (3.4%)	1 (11.1%)	0
<b>Circulatory problems</b>	1 (3.3%)	3 (5.9%)	10 (18.2%)	3 (10.3%)	3 (33.3%)	10 (18.5%)
<b>Coughing fit</b>	0	1 (2.0%)	3 (5.5%)	0	0	0
<b>Enuresis</b>	1 (3.3%)	0	1 (1.8%)	0	0	0
<b>Itching</b>	1 (3.3%)	0	0	2 (6.9%)	0	1 (1.9%)
<b>Muscle cramps</b>	0	0	1 (1.8%)	0	0	0
<b>Muscle soreness</b>	0	1 (2.0%)	3 (5.5%)	1 (3.4%)	0	1 (1.9%)
<b>Nausea/Vomiting</b>	2 (6.7%)	7 (13.7%)	9 (16.4%)	8 (27.6%)	0	9 (16.7%)
<b>Nosebleed</b>	0	0	0	1 (3.4%)	0	1 (1.9%)
<b>Pain</b>	15 (50.0%)	25 (49.0%)	17 (30.9%)	11 (37.9%)	2 (22.2%)	23 (42.6%)
<b>Psychological stress reaction</b>	1 (3.3%)	1 (2.0%)	4 (7.3%)	0	0	1 (1.9%)
<b>Severe exhaustion</b>	0	2 (3.9%)	2 (3.6%)	0	0	0
<b>Soft tissue/injury</b>	7 (23.3%)	5 (9.8%)	1 (1.8%)	2 (6.9%)	2 (22.2%)	4 (7.4%)
<b>Spontaneous painful bowel movement</b>	0	1 (2.0%)	1 (1.8%)	0	0	0
<b>Superficial injuries</b>	2 (6.7%)	5 (9.8%)	3 (5.5%)	0	1 (11.1%)	4 (7.4%)
<b>Total</b>	30 (100.0%)	51 (100.0%)	55 (100.0%)	29 (100.0%)	9 (100.0%)	54 (100.0%)
						228 (100.0%)

## slide 8

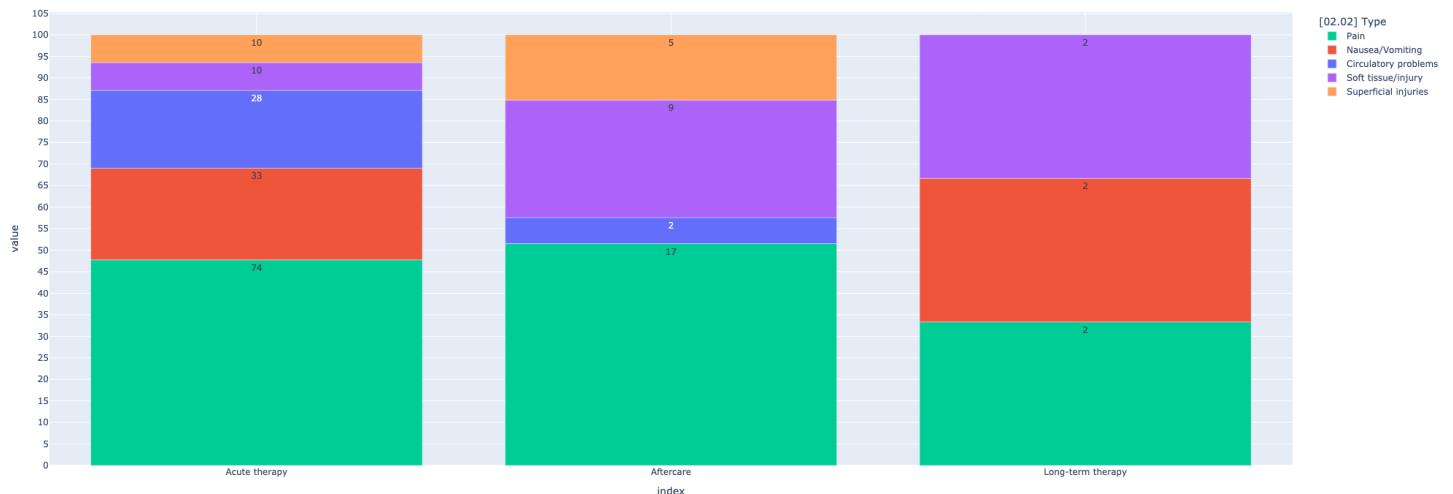
TOP5 [[05.03] Age] by TOP5 [[02.03] Trigger], NULL excluded, n=30 (216)



[05.03] Age	02 to 05 years	06 to 09 years	10 to 14 years	15 to 18 years	18+ years	Total
[02.03] Trigger						
<b>Colliding</b>	3 (7.9%)	4 (6.2%)	1 (1.7%)	1 (2.6%)	0	9 (3.2%)
<b>Coordination problems</b>	3 (7.9%)	10 (15.6%)	2 (3.3%)	1 (2.6%)	3 (20.0%)	23 (8.1%)
<b>Environmental conditions</b>	3 (7.9%)	0	1 (1.7%)	0	0	7 (2.5%)
<b>Fall event</b>	8 (21.1%)	11 (17.2%)	3 (5.0%)	2 (5.1%)	3 (20.0%)	41 (14.4%)
<b>Medical therapy</b>	10 (26.3%)	14 (21.9%)	18 (30.0%)	16 (41.0%)	2 (13.3%)	78 (27.5%)
<b>Other</b>	0	0	0	1 (2.6%)	0	1 (0.4%)
<b>Physical strain</b>	9 (23.7%)	21 (32.8%)	29 (48.3%)	18 (46.2%)	7 (46.7%)	112 (39.4%)
<b>Psychological strain</b>	2 (5.3%)	4 (6.2%)	6 (10.0%)	0	0	13 (4.6%)
<b>Total</b>	38 (100.0%)	64 (100.0%)	60 (100.0%)	39 (100.0%)	15 (100.0%)	68 (100.0%)
						284 (100.0%)

## slide 9

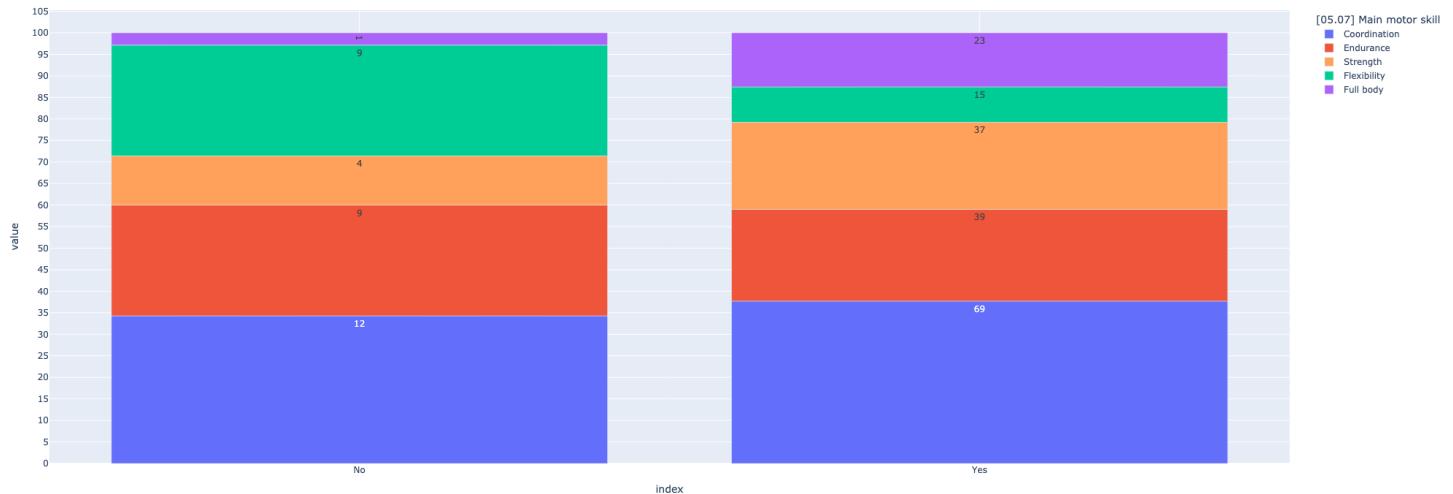
TOP5 [[05.01] Therapy phase] by TOP5 [[02.02] Type], NULL excluded, n=25 (228)



[05.01] Therapy phase	Acute therapy	Aftercare	Long-term therapy	Total
[02.02] Type				
<b>Bone injuries</b>	0	2 (5.3%)	0	2 (0.9%)
<b>Circulatory problems</b>	28 (15.3%)	2 (5.3%)	0	30 (13.2%)
<b>Coughing fit</b>	4 (2.2%)	0	0	4 (1.8%)
<b>Enuresis</b>	2 (1.1%)	0	0	2 (0.9%)
<b>Itching</b>	3 (1.6%)	1 (2.6%)	0	4 (1.8%)
<b>Muscle cramps</b>	1 (0.5%)	0	0	1 (0.4%)
<b>Muscle soreness</b>	5 (2.7%)	0	1 (14.3%)	6 (2.6%)
<b>Nausea/Vomiting</b>	33 (18.0%)	0	2 (28.6%)	35 (15.4%)
<b>Nosebleed</b>	2 (1.1%)	0	0	2 (0.9%)
<b>Pain</b>	74 (40.4%)	17 (44.7%)	2 (28.6%)	93 (40.8%)
<b>Psychological stress reaction</b>	5 (2.7%)	2 (5.3%)	0	7 (3.1%)
<b>Severe exhaustion</b>	4 (2.2%)	0	0	4 (1.8%)
<b>Soft tissue/injury</b>	10 (5.5%)	9 (23.7%)	2 (28.6%)	21 (9.2%)
<b>Spontaneous painful bowel movement</b>	2 (1.1%)	0	0	2 (0.9%)
<b>Superficial injuries</b>	10 (5.5%)	5 (13.2%)	0	15 (6.6%)
<b>Total</b>	183 (100.0%)	38 (100.0%)	7 (100.0%)	228 (100.0%)

slide 10

TOP5 [[01.03] Exercise-related] by TOP5 [[05.07] Main motor skill], NULL excluded, n=12 (230)

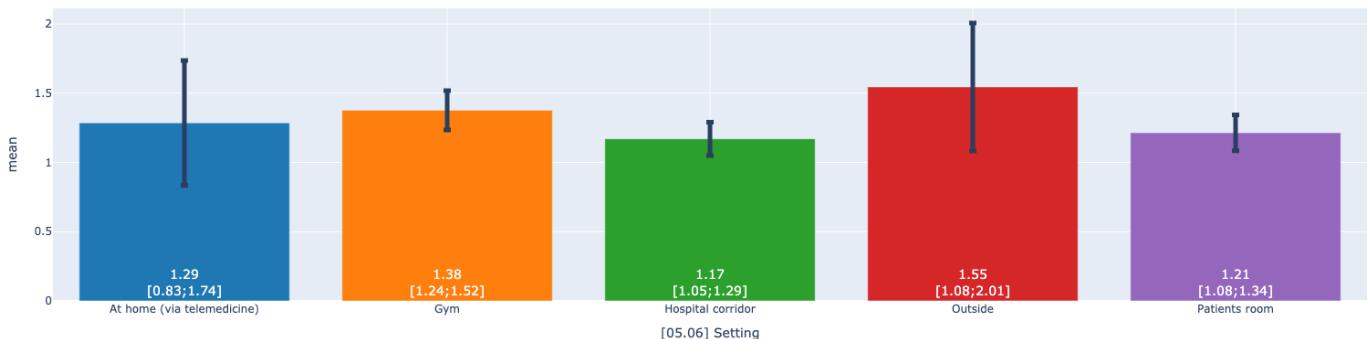


	No	Yes	Total
[01.03] Exercise-related			
[05.07] Main motor skill			
1 (100.0%)	0	12 (5.8%)	13 (5.3%)
Coordination	0	12 (34.3%)	69 (33.3%)
Endurance	0	9 (25.7%)	39 (18.8%)
Flexibility	0	9 (25.7%)	15 (7.2%)
Full body	0	1 (2.9%)	23 (11.1%)
Relaxation	0	2 (1.0%)	2 (0.8%)
Speed	0	10 (4.8%)	10 (4.1%)
Strength	0	37 (17.9%)	41 (16.9%)
Total	1 (100.0%)	35 (100.0%)	207 (100.0%)
			243 (100.0%)

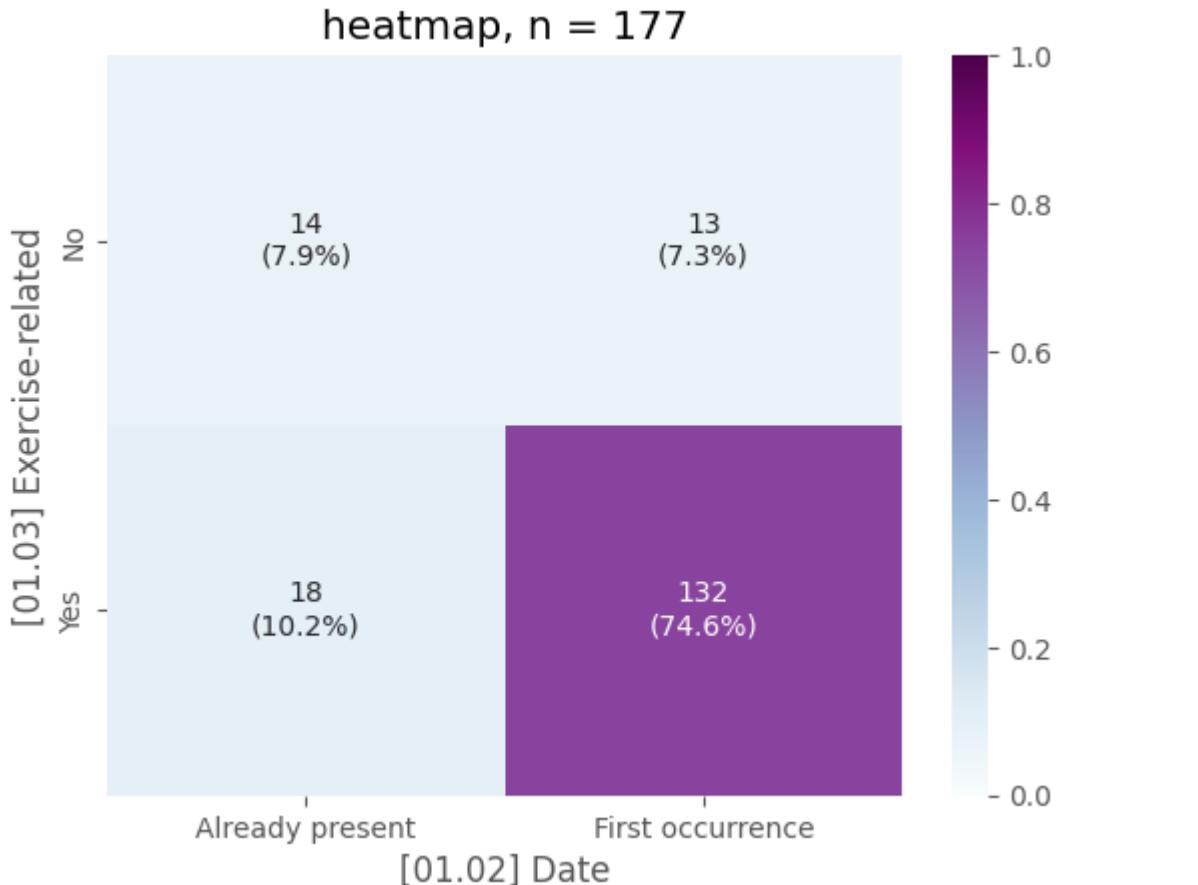
### bonus - ci

[[01.01] CTCAE] by [[05.06] Setting], NULL excluded, n=162

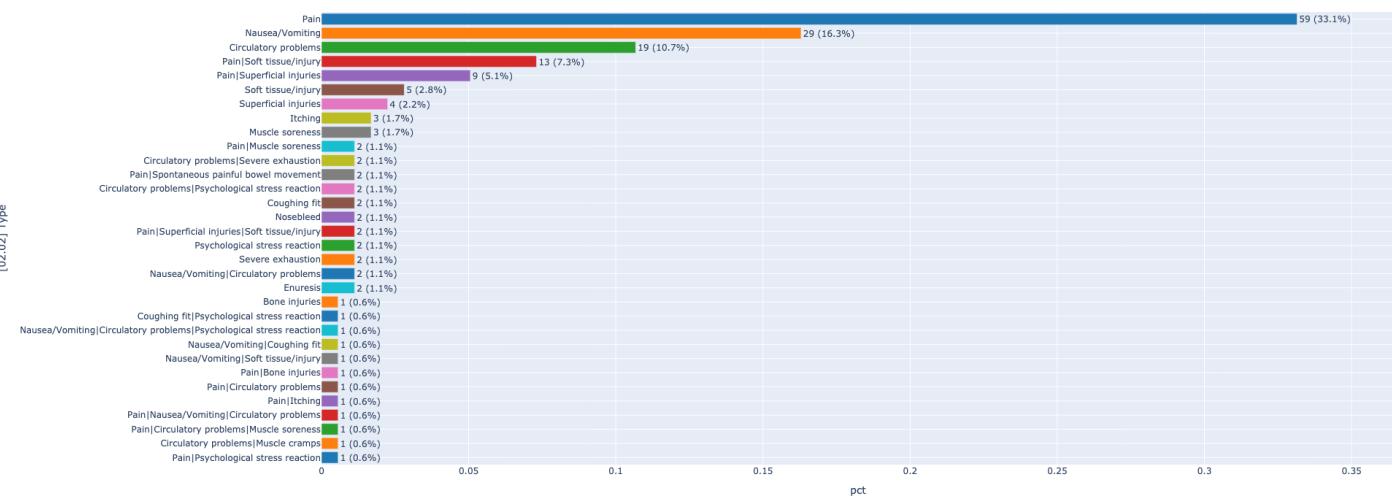
ci(95) on means



2025-03-18

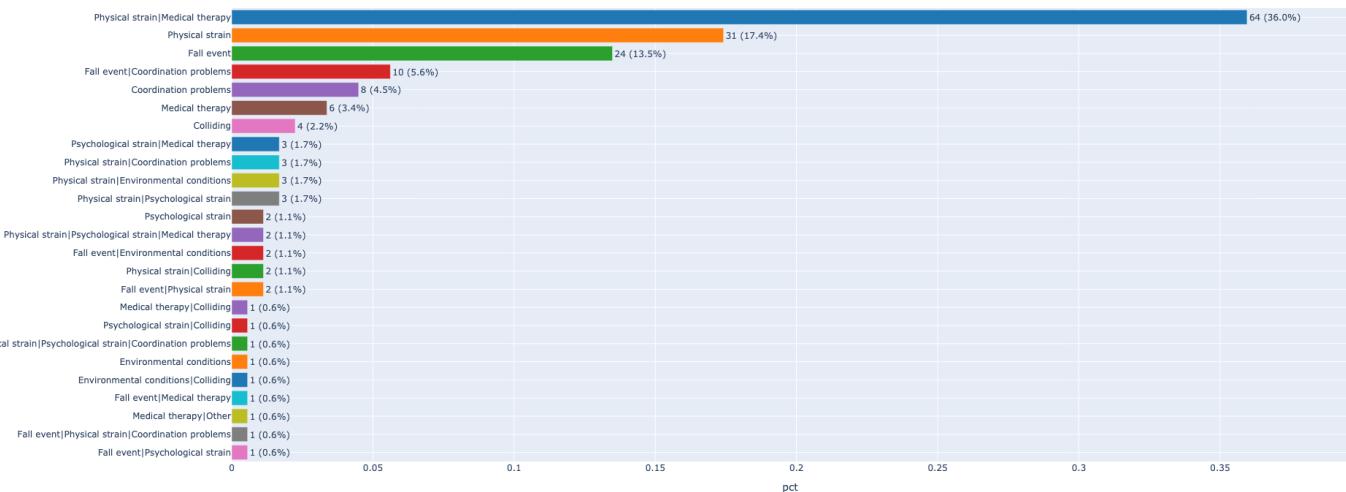


[count] by [[02.02] Type], n=32 (178)



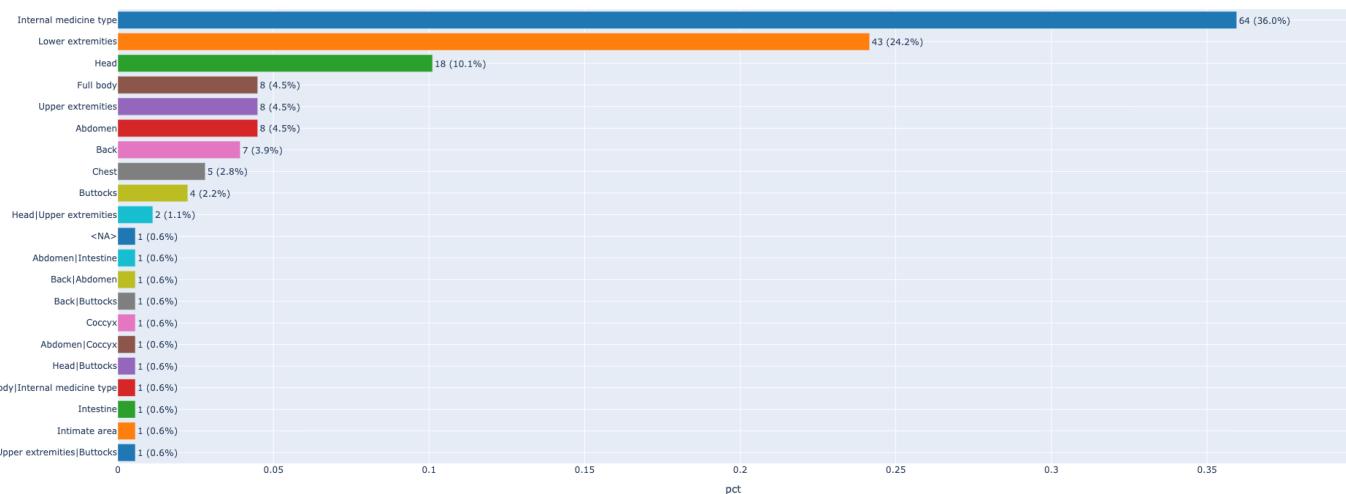
## [count] by [[02.03] Trigger], n=25 (178)

[02.03] Trigger



## [count] by [[02.04] Affected body parts], n=21 (178)

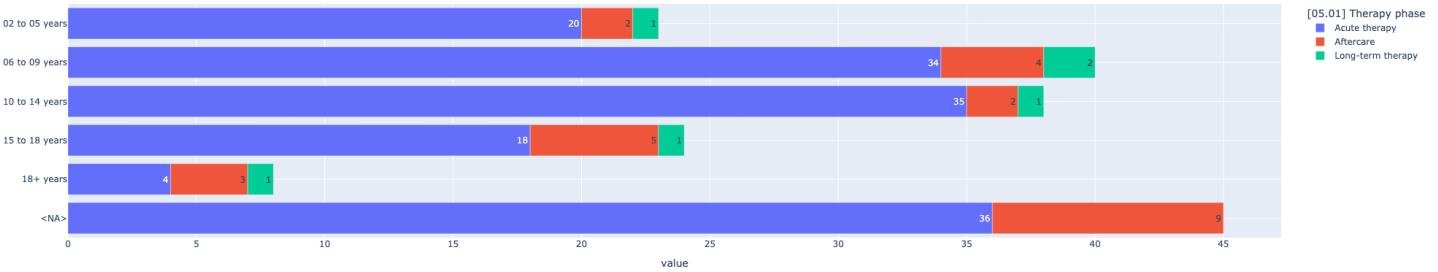
[02.04] Affected body parts



✖ df must have exactly 2 or 3 columns

## [[05.03] Age] by [[05.01] Therapy phase], n=17 (178)

index



## chi-square

steps:

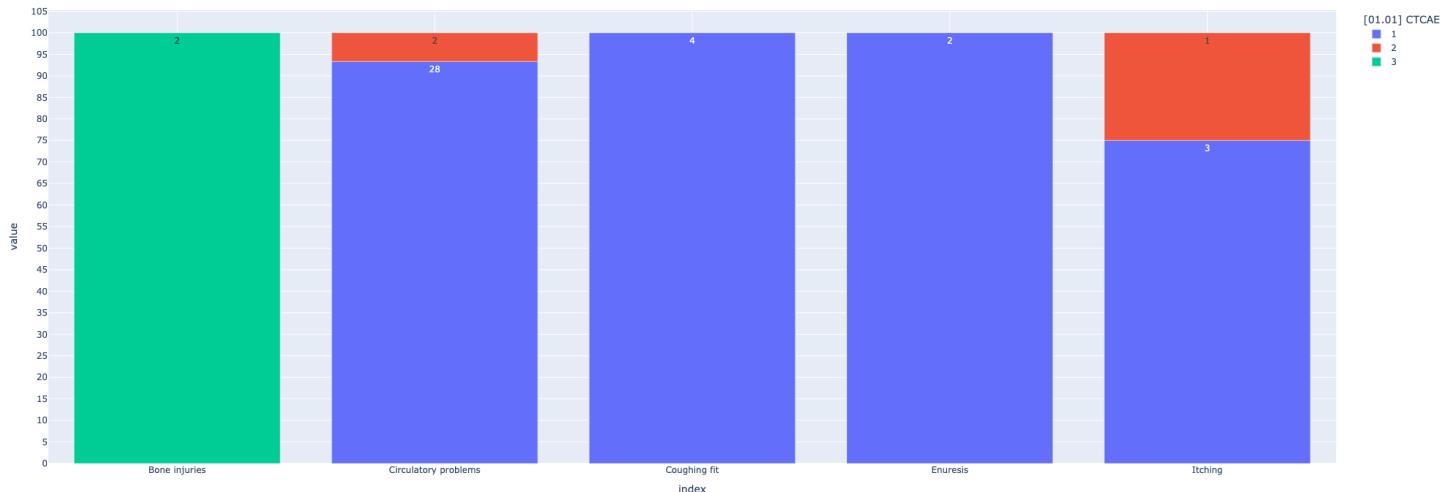
- create subset of 2 cat variables each
- derive exploded dataset
- transform to 2x2 contingency table

Chi-square statistic: 125.56034031783209 p-value: 0.0022447520183190074 degrees of freedom: 84 cells < 5: 89 | total cells: 105 | share of cells < 5% (should be <20%): 84.76%

## export data

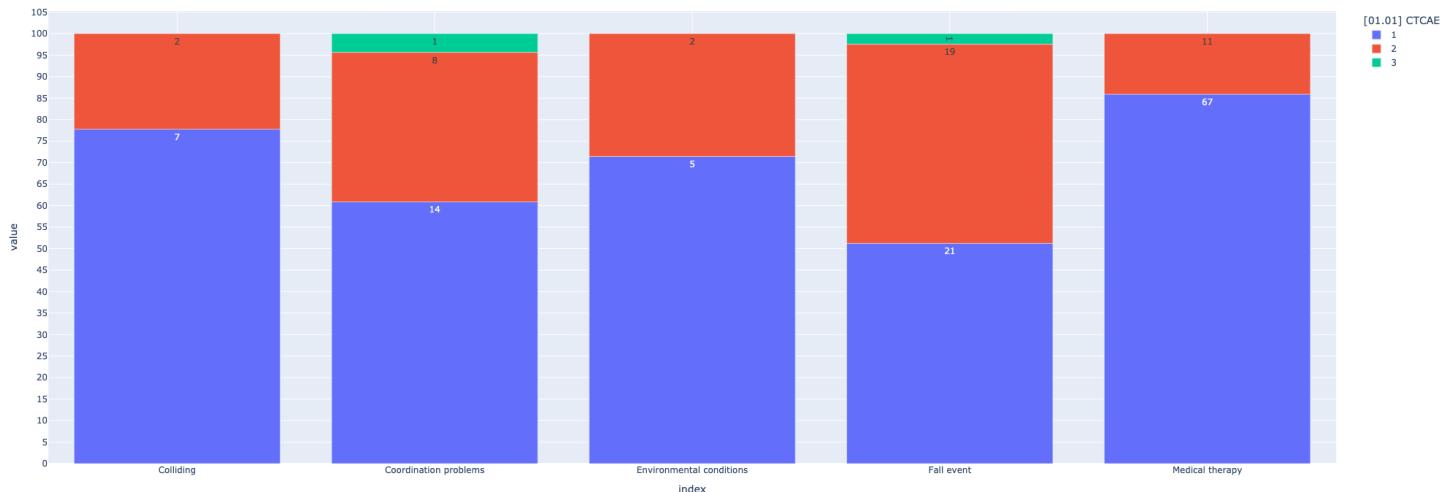
## 2025-05-26 diagrams

## TOP5 [[02.02] Type] by TOP5 [[01.01] CTCAE], NULL excluded, n=25 (228)



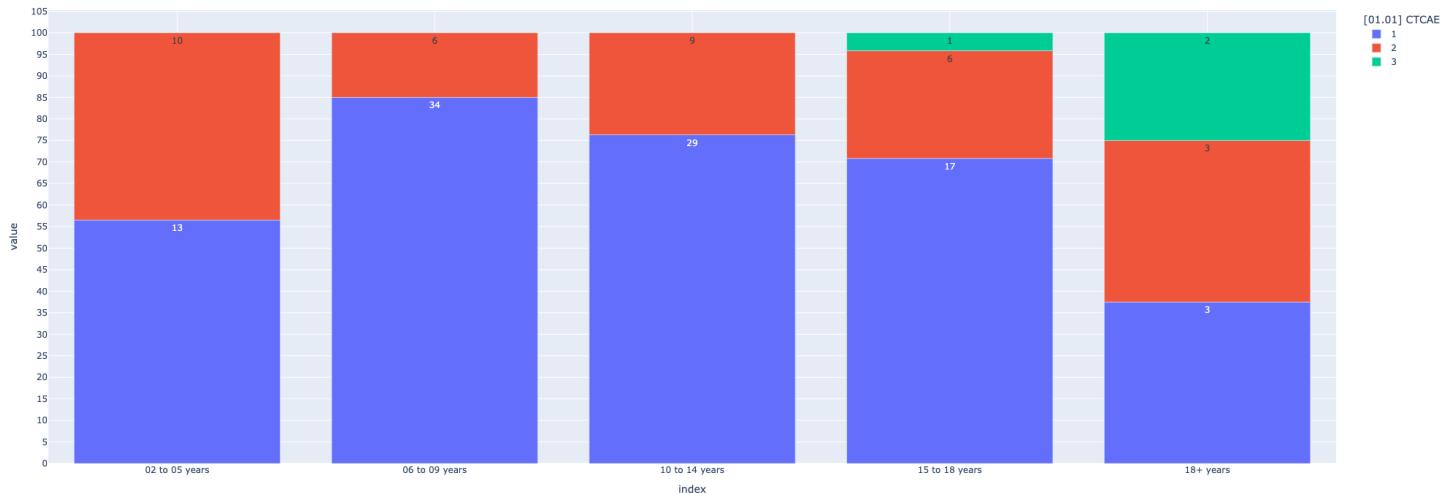
[02.02] Type	Bone injuries	Circulatory problems	Coughing fit	Enuresis	Itching	Muscle cramps	Muscle soreness	Nausea/Vomiting	Nosebleed	Pain	Psychological stress reaction	Severe exhaustion	Soft tissue/injury	Spontaneous painful bowel movement	Superficial injuries	Total
[01.01] CTCAE	1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	
1	0	28 (93.3%)	2 (6.7%)	4 (100.0%)	2 (100.0%)	3 (75.0%)	1 (100.0%)	4 (66.7%)	31 (88.8%)	1 (50.0%)	61 (65.6%)	6 (85.7%)	4 (100.0%)	7 (33.3%)	2 (100.0%)	161 (70.6%)
2	0	2 (6.7%)	0	0	0	1 (25.0%)	0	2 (33.3%)	4 (11.4%)	1 (50.0%)	30 (32.3%)	1 (14.3%)	0	14 (66.7%)	0	63 (27.6%)
3	2 (100.0%)	0	0	0	0	0	0	0	0	0	2 (2.2%)	0	0	0	0	4 (1.8%)
Total	2 (100.0%)	30 (100.0%)	4 (100.0%)	2 (100.0%)	4 (100.0%)	1 (100.0%)	6 (100.0%)	35 (100.0%)	2 (100.0%)	93 (100.0%)	7 (100.0%)	4 (100.0%)	21 (100.0%)	2 (100.0%)	15 (100.0%)	228 (100.0%)

## TOP5 [[02.03] Trigger] by TOP5 [[01.01] CTCAE], NULL excluded, n=18 (284)



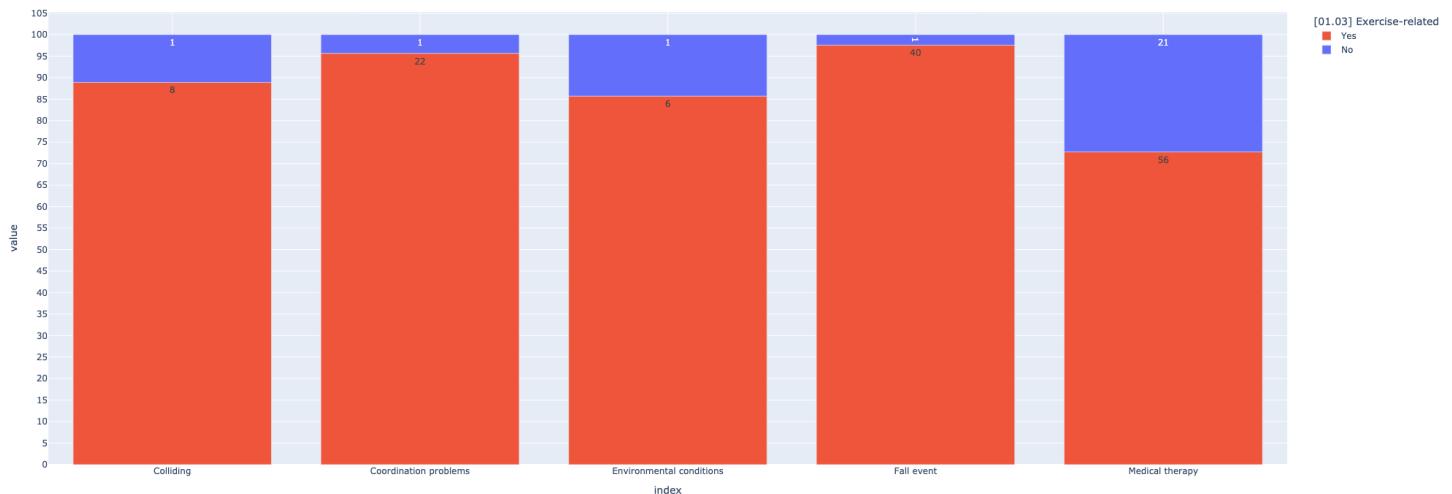
[02.03] Trigger	Colliding	Coordination problems	Environmental conditions	Fall event	Medical therapy	Other	Physical strain	Psychological strain	Total
[01.01] CTCAE	1	2	3	1	2	3	4	5	
1	7 (77.8%)	14 (60.9%)	5 (71.4%)	21 (51.2%)	67 (85.9%)	1 (100.0%)	93 (83.0%)	11 (84.6%)	219 (77.1%)
2	2 (22.2%)	8 (34.8%)	2 (28.6%)	19 (46.3%)	11 (14.1%)	0	17 (15.2%)	2 (15.4%)	61 (21.5%)
3	0	1 (4.3%)	0	1 (2.4%)	0	0	2 (1.8%)	0	4 (1.4%)
Total	9 (100.0%)	23 (100.0%)	7 (100.0%)	41 (100.0%)	78 (100.0%)	1 (100.0%)	112 (100.0%)	13 (100.0%)	284 (100.0%)

## TOP5 [[05.03] Age] by TOP5 [[01.01] CTCAE], NULL excluded, n=12 (133)



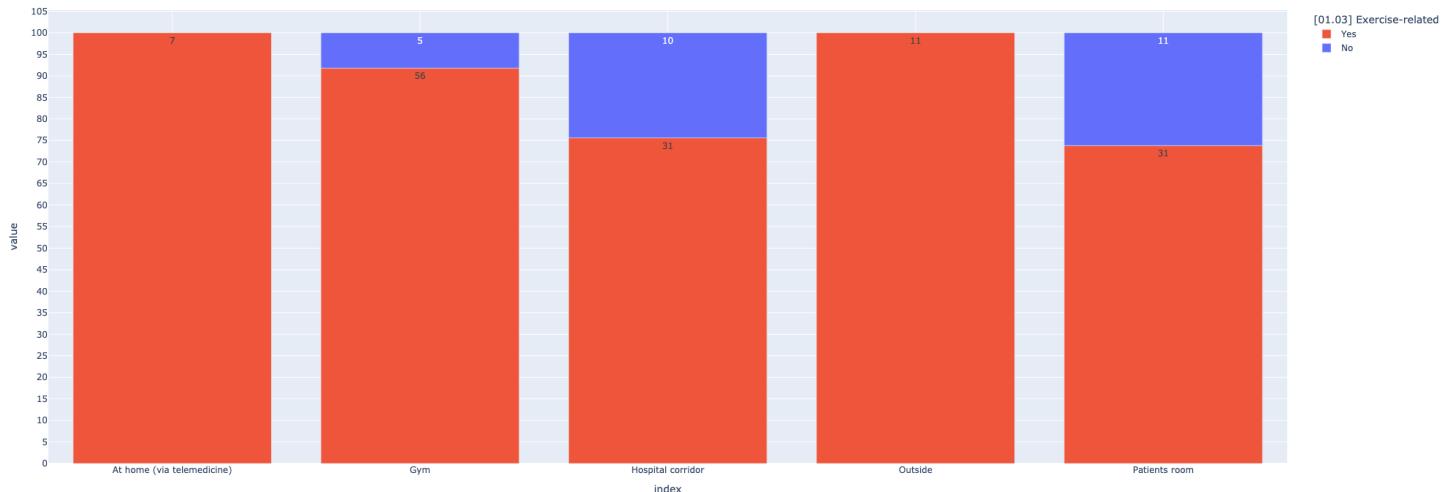
[05.03] Age	02 to 05 years	06 to 09 years	10 to 14 years	15 to 18 years	18+ years	Total
[01.01] CTCAE						
1	13 (56.5%)	34 (85.0%)	29 (76.3%)	17 (70.8%)	3 (37.5%)	36 (80.0%)
2	10 (43.5%)	6 (15.0%)	9 (23.7%)	6 (25.0%)	3 (37.5%)	9 (20.0%)
3	0	0	0	1 (4.2%)	2 (25.0%)	0
<b>Total</b>	<b>23 (100.0%)</b>	<b>40 (100.0%)</b>	<b>38 (100.0%)</b>	<b>24 (100.0%)</b>	<b>8 (100.0%)</b>	<b>45 (100.0%)</b>
						<b>178 (100.0%)</b>

## TOP5 [[02.03] Trigger] by TOP5 [[01.03] Exercise-related], NULL excluded, n=15 (282)



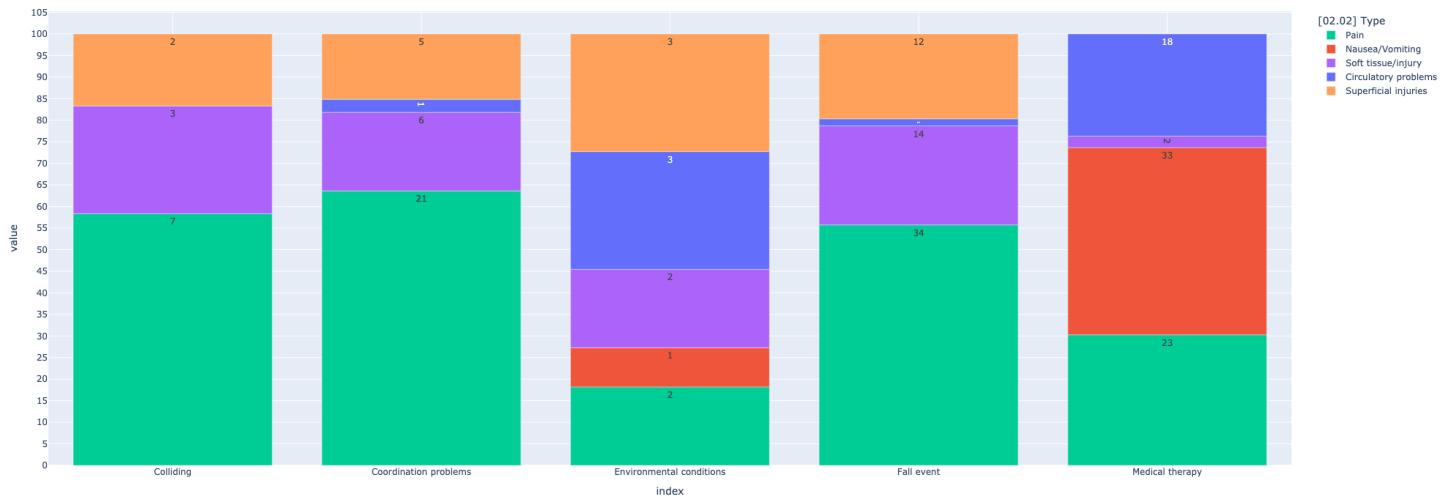
[02.03] Trigger	Colliding	Coordination problems	Environmental conditions	Fall event	Medical therapy	Other	Physical strain	Psychological strain	Total
[01.03] Exercise-related									
No	0	0	0	0	1 (1.3%)	0	1 (0.9%)	0	2 (0.7%)
Yes	1 (11.1%)	1 (4.3%)	1 (14.3%)	1 (2.4%)	21 (26.9%)	1 (100.0%)	18 (16.1%)	4 (30.8%)	48 (16.9%)
Total	9 (100.0%)	23 (100.0%)	7 (100.0%)	41 (100.0%)	78 (100.0%)	1 (100.0%)	112 (100.0%)	13 (100.0%)	284 (100.0%)

## TOP5 [[05.06] Setting] by TOP5 [[01.03] Exercise-related], NULL excluded, n=8 (162)



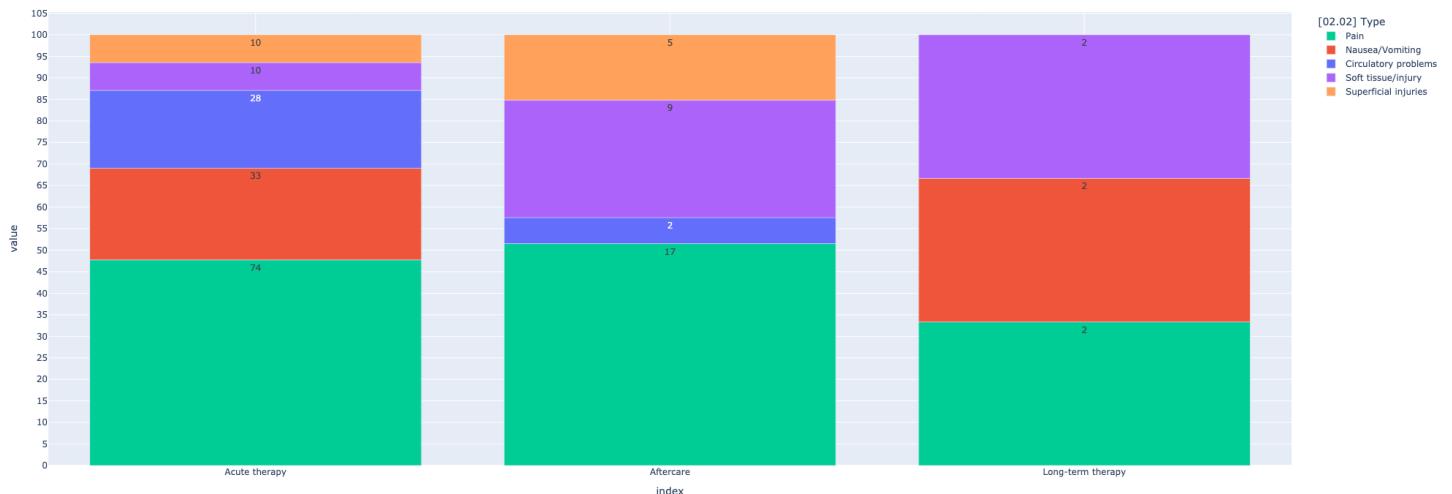
[05.06] Setting		At home (via telemedicine)	Gym	Hospital corridor	Outside	Patients room	Total
<b>[01.03] Exercise-related</b>							
No		1 (6.2%)	0	0	0	0	1 (0.6%)
Yes		14 (87.5%)	7 (100.0%)	56 (91.8%)	31 (75.6%)	11 (100.0%)	31 (73.8%)
Total		16 (100.0%)	7 (100.0%)	61 (100.0%)	41 (100.0%)	11 (100.0%)	42 (100.0%)
							178 (100.0%)

## TOP5 [[02.03] Trigger] by TOP5 [[02.02] Type], NULL excluded, n=54 (362)



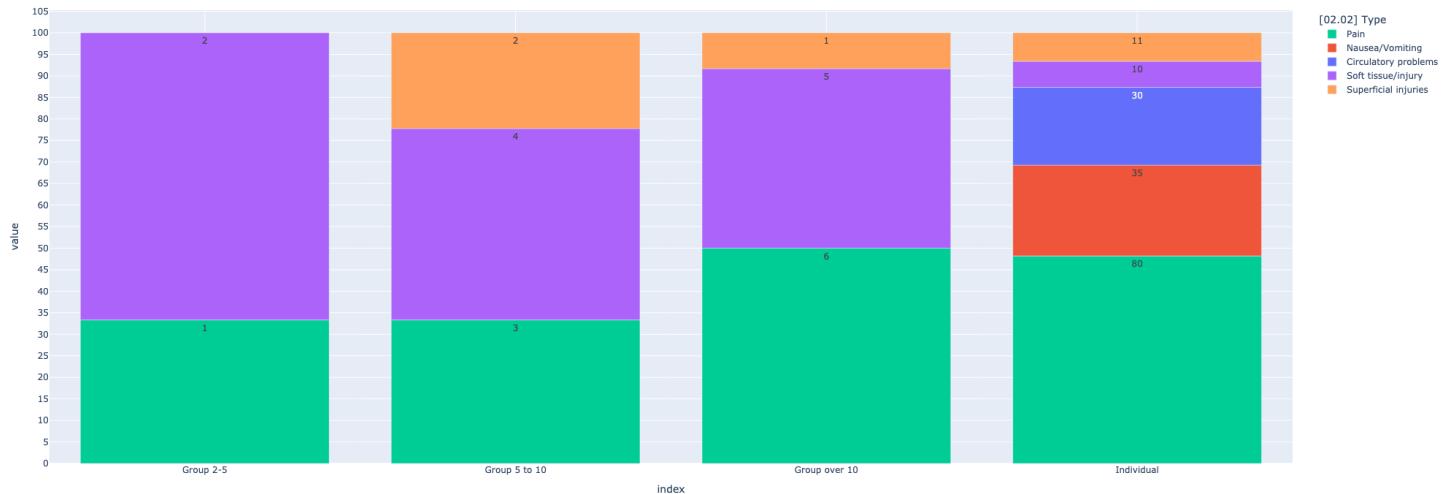
[02.03] Trigger	Colliding	Coordination problems	Environmental conditions	Fall event	Medical therapy	Other	Physical strain	Psychological strain	Total
<b>[02.02] Type</b>									
Bone injuries	0	1 (2.9%)	0	1 (1.6%)	0	0	1 (0.8%)	0	3 (0.8%)
Circulatory problems	0	1 (2.9%)	3 (27.3%)	1 (1.6%)	18 (20.2%)	0	25 (19.4%)	4 (19.0%)	52 (14.4%)
Coughing fit	0	0	0	0	1 (1.1%)	0	4 (3.1%)	1 (4.8%)	6 (1.7%)
Enuresis	0	0	0	0	2 (2.2%)	0	2 (1.6%)	0	4 (1.1%)
Itching	1 (7.7%)	0	0	0	2 (2.2%)	0	3 (2.3%)	1 (4.8%)	7 (1.9%)
Muscle cramps	0	0	0	0	0	0	1 (0.8%)	0	1 (0.3%)
Muscle soreness	0	0	0	1 (1.6%)	0	0	5 (3.9%)	1 (4.8%)	7 (1.9%)
Nausea/Vomiting	0	0	1 (9.1%)	0	33 (37.1%)	0	31 (24.0%)	2 (9.5%)	67 (18.5%)
Nosebleed	0	0	0	0	1 (1.1%)	0	1 (0.8%)	0	2 (0.6%)
Pain	7 (53.8%)	21 (60.0%)	2 (18.2%)	34 (54.0%)	23 (25.8%)	1 (100.0%)	45 (34.9%)	5 (23.8%)	138 (38.1%)
Psychological stress reaction	0	1 (2.9%)	0	0	2 (2.2%)	0	3 (2.3%)	7 (33.3%)	13 (3.6%)
Severe exhaustion	0	0	0	0	3 (3.4%)	0	4 (3.1%)	0	7 (1.9%)
Soft tissue/injury	3 (23.1%)	6 (17.1%)	2 (18.2%)	14 (22.2%)	2 (2.2%)	0	2 (1.6%)	0	29 (8.0%)
Spontaneous painful bowel movement	0	0	0	0	2 (2.2%)	0	2 (1.6%)	0	4 (1.1%)
Superficial injuries	2 (15.4%)	5 (14.3%)	3 (27.3%)	12 (19.0%)	0	0	0	0	22 (6.1%)
Total	13 (100.0%)	35 (100.0%)	11 (100.0%)	63 (100.0%)	89 (100.0%)	1 (100.0%)	129 (100.0%)	21 (100.0%)	362 (100.0%)

TOP5 [[05.01] Therapy phase] by TOP5 [[02.02] Type], NULL excluded, n=25 (228)



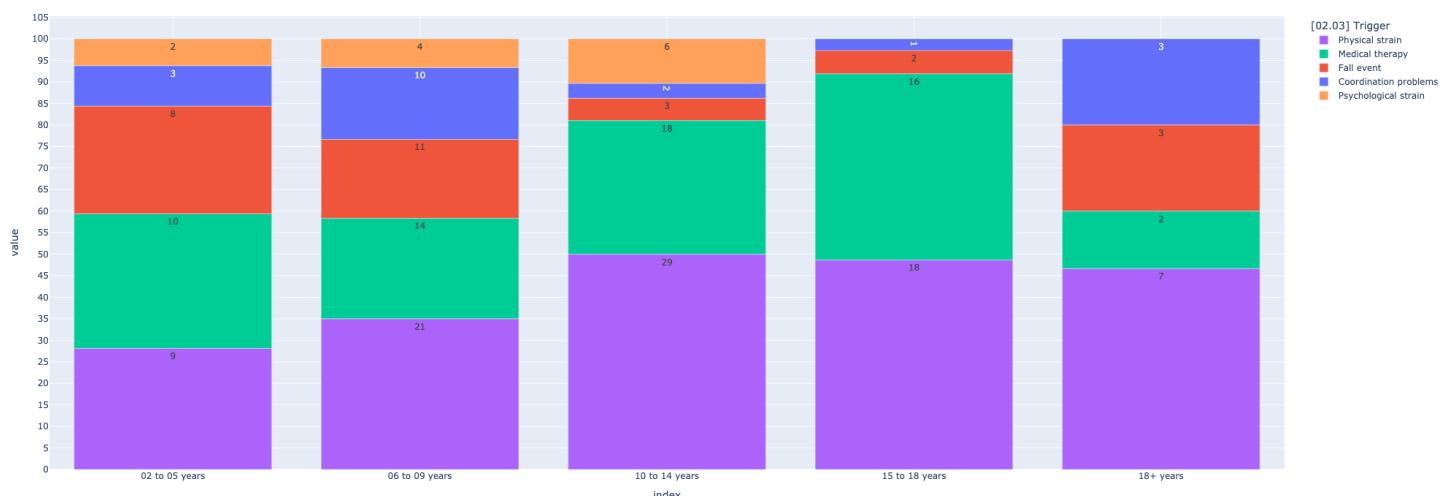
[05.01] Therapy phase	Acute therapy	Aftercare	Long-term therapy	Total
[02.02] Type				
<b>Bone injuries</b>	0	2 (5.3%)	0	2 (0.9%)
<b>Circulatory problems</b>	28 (15.3%)	2 (5.3%)	0	30 (13.2%)
<b>Coughing fit</b>	4 (2.2%)	0	0	4 (1.8%)
<b>Enuresis</b>	2 (1.1%)	0	0	2 (0.9%)
<b>Itching</b>	3 (1.6%)	1 (2.6%)	0	4 (1.8%)
<b>Muscle cramps</b>	1 (0.5%)	0	0	1 (0.4%)
<b>Muscle soreness</b>	5 (2.7%)	0	1 (14.3%)	6 (2.6%)
<b>Nausea/Vomiting</b>	33 (18.0%)	0	2 (28.6%)	35 (15.4%)
<b>Nosebleed</b>	2 (1.1%)	0	0	2 (0.9%)
<b>Pain</b>	74 (40.4%)	17 (44.7%)	2 (28.6%)	93 (40.8%)
<b>Psychological stress reaction</b>	5 (2.7%)	2 (5.3%)	0	7 (3.1%)
<b>Severe exhaustion</b>	4 (2.2%)	0	0	4 (1.8%)
<b>Soft tissue/injury</b>	10 (5.5%)	9 (23.7%)	2 (28.6%)	21 (9.2%)
<b>Spontaneous painful bowel movement</b>	2 (1.1%)	0	0	2 (0.9%)
<b>Superficial injuries</b>	10 (5.5%)	5 (13.2%)	0	15 (6.6%)
<b>Total</b>	183 (100.0%)	38 (100.0%)	7 (100.0%)	228 (100.0%)

## TOP5 [[05.02] Group size] by TOP5 [[02.02] Type], NULL excluded, n=24 (224)



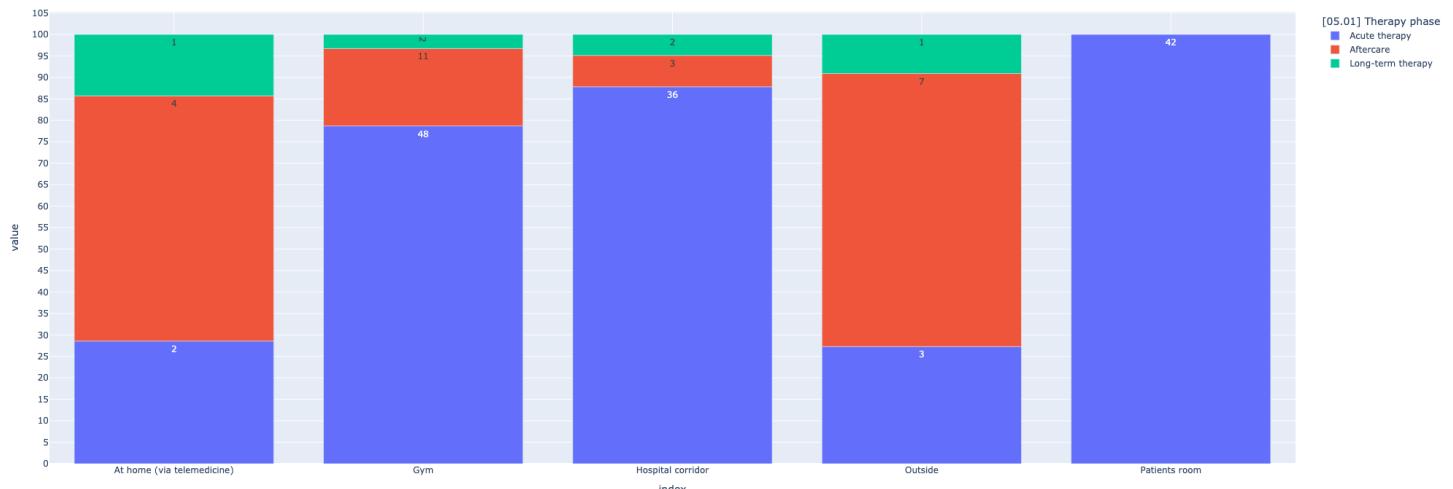
[05.02] Group size	Group 2-5	Group 5 to 10	Group over 10	Individual	Total
[02.02] Type					
Bone injuries	0	0	1 (10.0%)	0	1 (0.5%)
Circulatory problems	0	0	0	0	30 (15.1%)
Coughing fit	0	0	0	0	4 (2.0%)
Enuresis	0	0	0	0	2 (1.0%)
Itching	0	0	0	0	4 (1.8%)
Muscle cramps	0	0	0	0	1 (0.4%)
Muscle soreness	0	0	0	0	6 (2.6%)
Nausea/Vomiting	0	0	0	0	35 (15.4%)
Nosebleed	0	0	0	0	2 (0.9%)
Pain	3 (75.0%)	1 (33.3%)	3 (30.0%)	6 (50.0%)	80 (40.2%)
Psychological stress reaction	0	0	0	0	7 (3.5%)
Severe exhaustion	0	0	0	0	4 (1.8%)
Soft tissue/injury	0	2 (66.7%)	4 (40.0%)	5 (41.7%)	10 (5.0%)
Spontaneous painful bowel movement	0	0	0	0	2 (1.0%)
Superficial injuries	1 (25.0%)	0	2 (20.0%)	1 (8.3%)	11 (5.5%)
<b>Total</b>	<b>4 (100.0%)</b>	<b>3 (100.0%)</b>	<b>10 (100.0%)</b>	<b>12 (100.0%)</b>	<b>199 (100.0%)</b>
					<b>228 (100.0%)</b>

## TOP5 [[05.03] Age] by TOP5 [[02.03] Trigger], NULL excluded, n=30 (216)



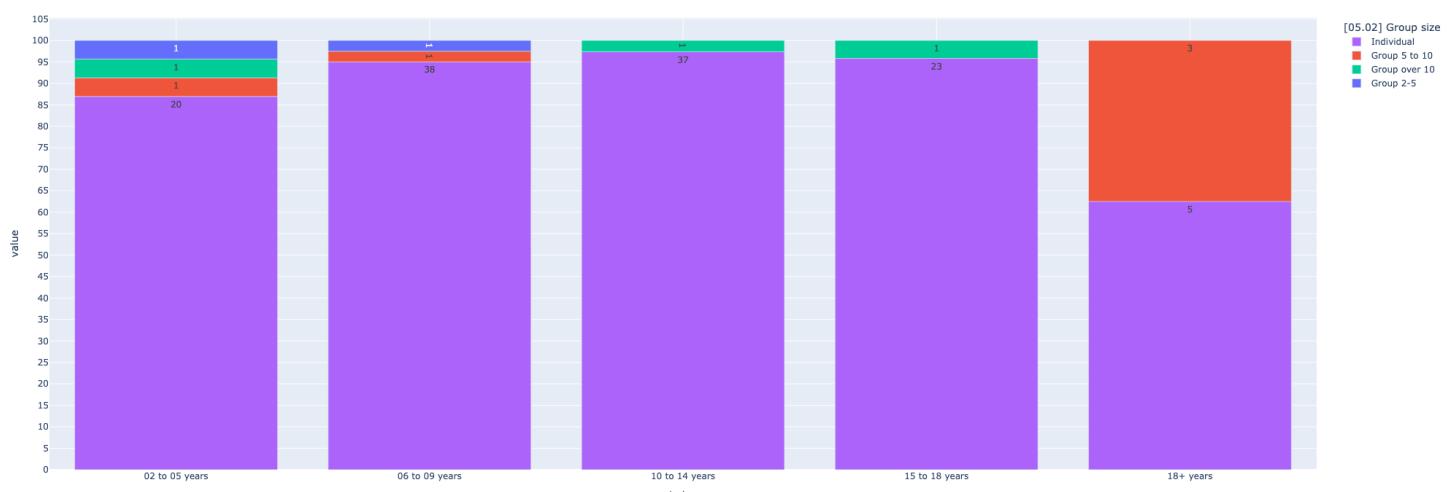
[05.03] Age	02 to 05 years	06 to 09 years	10 to 14 years	15 to 18 years	18+ years	Total
[02.03] Trigger						
<b>Colliding</b>	3 (7.9%)	4 (6.2%)	1 (1.7%)	1 (2.6%)	0	0
<b>Coordination problems</b>	3 (7.9%)	10 (15.6%)	2 (3.3%)	1 (2.6%)	3 (20.0%)	4 (5.9%)
<b>Environmental conditions</b>	3 (7.9%)	0	1 (1.7%)	0	0	3 (4.4%)
<b>Fall event</b>	8 (21.1%)	11 (17.2%)	3 (5.0%)	2 (5.1%)	3 (20.0%)	14 (20.6%)
<b>Medical therapy</b>	10 (26.3%)	14 (21.9%)	18 (30.0%)	16 (41.0%)	2 (13.3%)	18 (26.5%)
<b>Other</b>	0	0	0	1 (2.6%)	0	0
<b>Physical strain</b>	9 (23.7%)	21 (32.8%)	29 (48.3%)	18 (46.2%)	7 (46.7%)	28 (41.2%)
<b>Psychological strain</b>	2 (5.3%)	4 (6.2%)	6 (10.0%)	0	0	1 (1.5%)
<b>Total</b>	<b>38 (100.0%)</b>	<b>64 (100.0%)</b>	<b>60 (100.0%)</b>	<b>39 (100.0%)</b>	<b>15 (100.0%)</b>	<b>68 (100.0%)</b>
						<b>284 (100.0%)</b>

TOP5 [[05.06] Setting] by TOP5 [[05.01] Therapy phase], NULL excluded, n=13 (162)



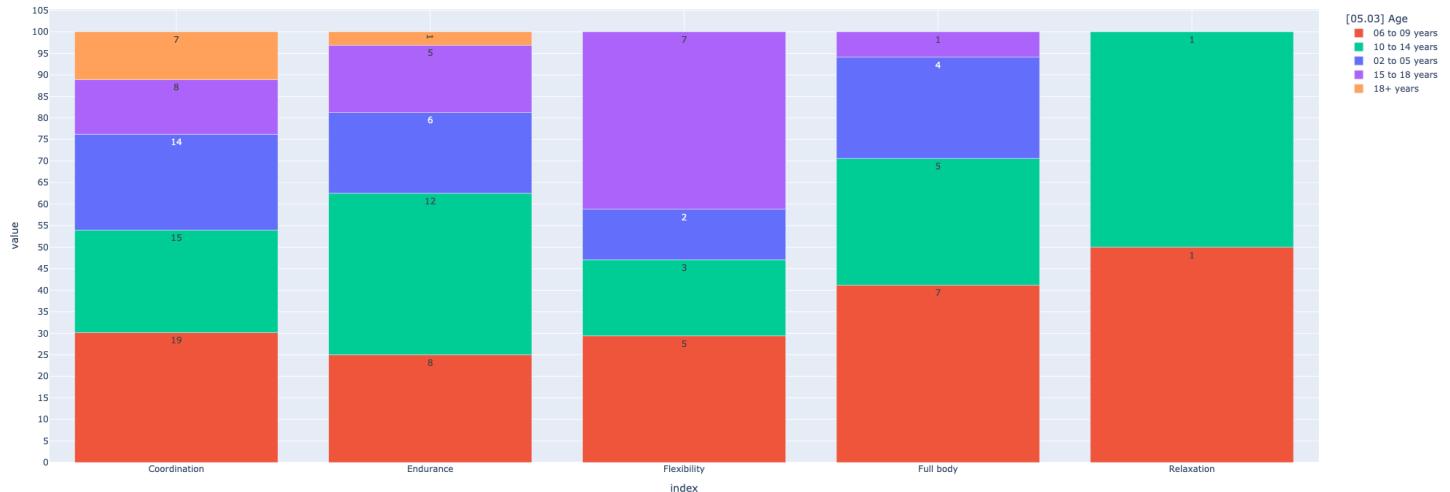
[05.06] Setting	At home (via telemedicine)	Gym	Hospital corridor	Outside	Patients room	Total
[05.01] Therapy phase						
<b>Acute therapy</b>	16 (100.0%)	2 (28.6%)	48 (78.7%)	36 (87.8%)	3 (27.3%)	42 (100.0%)
<b>Aftercare</b>	0	4 (57.1%)	11 (18.0%)	3 (7.3%)	7 (63.6%)	0
<b>Long-term therapy</b>	0	1 (14.3%)	2 (3.3%)	2 (4.9%)	1 (9.1%)	0
<b>Total</b>	<b>16 (100.0%)</b>	<b>7 (100.0%)</b>	<b>61 (100.0%)</b>	<b>41 (100.0%)</b>	<b>11 (100.0%)</b>	<b>42 (100.0%)</b>
						<b>178 (100.0%)</b>

TOP5 [[05.03] Age] by TOP5 [[05.02] Group size], NULL excluded, n=13 (133)



[05.03] Age	02 to 05 years	06 to 09 years	10 to 14 years	15 to 18 years	18+ years	Total
[05.02] Group size						
Group 2-5	0	0	0	0	0	4 (2.2%)
Group 5 to 10	1 (4.3%)	1 (2.5%)	0	0	3 (37.5%)	1 (2.2%)
Group over 10	1 (4.3%)	0	1 (2.6%)	1 (4.2%)	0	3 (6.7%)
Individual	20 (87.0%)	38 (95.0%)	37 (97.4%)	23 (95.8%)	5 (62.5%)	37 (82.2%)
Total	23 (100.0%)	40 (100.0%)	38 (100.0%)	24 (100.0%)	8 (100.0%)	45 (100.0%)
	178 (100.0%)					

TOP5 [[05.07] Main motor skill] by TOP5 [[05.03] Age], NULL excluded, n=28 (177)



[05.07] Main motor skill	Coordination	Endurance	Flexibility	Full body	Relaxation	Speed	Strength	Total
[05.03] Age								
02 to 05 years	0	14 (17.3%)	6 (12.5%)	2 (8.3%)	4 (16.7%)	0	1 (10.0%)	29 (11.9%)
06 to 09 years	2 (15.4%)	19 (23.5%)	8 (16.7%)	5 (20.8%)	7 (29.2%)	1 (50.0%)	6 (60.0%)	57 (23.5%)
10 to 14 years	2 (15.4%)	15 (18.5%)	12 (25.0%)	3 (12.5%)	5 (20.8%)	1 (50.0%)	1 (10.0%)	51 (21.0%)
15 to 18 years	0	8 (9.9%)	5 (10.4%)	7 (29.2%)	1 (4.2%)	0	0	33 (13.6%)
18+ years	0	7 (8.6%)	1 (2.1%)	0	0	0	0	11 (4.5%)
Total	13 (100.0%)	81 (100.0%)	48 (100.0%)	24 (100.0%)	24 (100.0%)	2 (100.0%)	10 (100.0%)	243 (100.0%)