

Supplement 1. Pain Squad app assessment items

	Item	Answer type	Answer option(s)
1	Did you have PAIN in the last 12 hours?	Discrete	Y or N
2	Touch the mark and move it to show how much PAIN you have right now	Continuous	Visual analogue slider scale (0-10)
3	Touch the mark and move it to describe your pain when it was at its WORST in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
4	Touch the mark and move it to describe your pain when it was at its LEAST in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
5	Touch the mark and move it to describe your pain when it was at its AVERAGE in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
6	When you had pain the last 12 hours, how long did it USUALLY last?	Discrete	Just a few minutes
			About an hour
			1 to 3 hours
			3 to 6 hours
			6 to 9 hours
			9 to 12 hours
7	Please tell us what you think your pain was DUE TO in the last 12 hours	Discrete	Your treatments (chemotherapy, radiation, medication, surgery)
			Your Cancer
			Medical condition(s) other than your cancer (e.g. arthritis, sickle cell disease)
			Medical procedures (e.g. lumbar puncture, bone marrow aspirate, IV insertion, bloodwork)
			Everyday Pain
			Other (please specify)
8	Touch the parts of the body picture to show WHERE YOU HURT in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
9	Touch the mark and move it to show how BOTHERSOME your pain was in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
10	Touch the mark and move it to show how much your pain got in the way of your SLEEP in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
11	Touch the mark and move it to show	Continuous	Visual analogue slider scale

	how much your pain got in the way of THINGS YOU DID in the last 12 hours		(0-10)
12	Touch the mark and move it to show how much your pain got in the way of HOW YOU FELT in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
13	Touch the mark and move it to show how much your pain got in the way of WALKING in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
14	Touch the mark and move it to show how much your pain got in the way of RELATIONSHIPS with friends and family in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
15	Touch the mark and move it to show how much your pain got in the way of SCHOOLWORK in the last 12 hours	Continuous	Visual analogue slider scale (0-100)
16	Touch the mark and move it to show how much your pain got in the way of ENJOYING LIFE in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
17	Touch the words that best describe how your pain felt in the last 12 hours	Discrete	Variety of words describing pain quality
18	Please tell us what other symptoms you have experienced in the last 12 hours	Discrete	Nausea
			Feeling drowsy
			Numbness/Tingling in hands/feet
			Vomiting
			Itching
			Lack of appetite
			Difficulty swallowing
			Mouth sores
			Constipation
			Changes in skin
			Diarrhea
19a	Please tell us about the medications you have taken to try to reduce your pain in the last 12 hours	Discrete	None
			Acetaminophen (Tylenol)
			Ibuprofen (Advil)
			Naproxen
			Codeine
			Morphine (short-acting)
			Morphine (long-acting)
			Gabapentin

			Amitriptyline
			Other (please list)
19b	How helpful was using this strategy?	Discrete	Not helpful
			A little helpful
			Somewhat helpful
			Very helpful
			Don't know
20a	Please tell us about other things you used to try to REDUCE your pain in the last 12 hours	Discrete	None
			Deep breathing
			Relaxation exercises
			Heat
			Cold
			Massage/rubbing
			Imagery
			Distraction (e.g. TV, books, music)
			Talking with friends/family
			Rest/sleep
			Prayer/meditation
			Other (please list)
20b	How helpful was using this strategy?	Discrete	Not helpful
			A little helpful
			Somewhat helpful
			Very helpful
			Don't know
21	Touch the mark and move it to show how much CONTROL you felt you had over your pain in the last 12 hours	Continuous	Visual analogue slider scale (0-10)
22	Please type in anything else you want to tell us about your pain in the last 12 hours	Free-text	