House of Quality, Functional Specs

		C !!4	6 #2	C #2	S !!A	6	C IIC	C #7	C !!O
		Spec #1	Spec #2	Spec #3	Spec #4	Spec #5	Spec #6	Spec #7	Spec #8
		Timeit			Number of different settings/ modes to adapt				
	CUSTOMER REQUIREMENTS/NEEDS	takes to	Percentage of false positives	Number of connections from device to power	to varying hand dexterities	Transmission range	Battery life	Water resistance	Cost of device
Priority	1	find and							
	Easily accessible for patients with limited	х			X				
1	mobility	^			^				
	Should be understood by patients with				X				
2	limited cognitive ability				^				
	Reduce the amount of false-positives going								
3	to the nurse's station		X						
4	Reduces excessive wiring			X			X		
	Transmit the signal to multiple receivers					Х			
5	transmit the signal to multiple receivers					*			
	Durable and can withstand accidents (ex.								
6	water spray)							X	
	Able to be produced/purchased at								
_	competitve cost								X
7	competitive cost								
									\$150 (from
		4.2 (2)	050/ (4)	1-2 (Current system at Duke requires two	4 (. .	452 (4)	0- Needs wall-	IDVE	comparative
		1-2 min (2)	85% (1)	connections to wall reach wall power)	1 (per adapted call bell device) (3)	152 m (4)	power	IPX5	chart on Market
	C			, , , , , , , , , , , , , , , , , , , ,					Analysis tab)
	Competive Values		221						
	Marginal Value		20%	1	2	200 m	2-3 months	IPX4	\$100
	Ideal Value	0.5 min	5%	0-wireless	4 (one device for various types of mobility)	300 m	6 months	IPX5	\$70

- 1. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3928208/
 2. https://www.frequencyprecision.com/products/touch-sensitive-button-pager-linked?variant=6167456003
- 3. https://curbellmedical.com/specialty-call-cords/
- $4. \ https://www.amazon.com/Housecare-Caregiver-Caregi$