Donation after Cardiac Death Survey Data Analysis Report

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I. DESCRIPTION OF SURVEY ADMINISTRATION

The Clinical Research Program administered a web survey about attitudes and experiences of hospital staff with the "Donation After Cardiac Death (DCD)" protocol.

The list of email addresses that was received contained 369 unique addresses. After sending out the first and second invitation eight invitation emails returned as undeliverable most likely because the potential respondent had left the Children's Hospital Boston. Two respondents started the survey but stopped completing it after one or two questions. Two hundred and seventeen respondents implicitly refused to participate in the study by not answering the survey request. Overall, 142 respondents completed the survey.

The final response rate (RR1) is 39.34%. This response rate calculation is based on the standard definitions of AAPOR.

Reference:

The American Association for Public Opinion Research. 2008. *Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys.* 5th edition. Lenexa, Kansas: AAPOR. http://www.aapor.org/uploads/Standard_Definitions_07_08_Final.pdf

II. DESCRIPTION OF STATISTICAL ANALYSIS

The analyses that are included in this report address univariate statistics of all variables (Section III), the open-ended comments the respondents provided (Section IV), and bivariate statistics (Section V).

Subsection V.1 shows the distribution of all variables by the current role the respondent has in the hospital. Only one nurse from the OR answered the survey. We therefore collapsed the ICU and OR nurses into one group. Similarly, there were only two chaplains who answered the survey. To guarantee the confidentiality of the data we added them together with the psychosocial staff. Subsection V.2 focuses on the distribution of the variables by the time the respondent has served in his/her current role at the Children's Hospital Boston.

A few remarks that might be interesting regarding your current policy questions:

- The age groups that are seen as appropriate for DCD by the respondents are not associated with having attended an information session, feeling knowledgeable about DCD, nor with having participated in a DCD.
- The opinion of the respondent with regard to offering DCD only to those families that inquire about organ donation is not associated with having attended an information session, feeling knowledgeable about DCD, nor with having participated in a DCD.

Further more in-depth analyses can be performed as requested.

III. UNIVARIATE STATISTICS

Assessing Respondents' Knowledge and Background regarding DCD

1. Have you attended an informational session at CHB regarding the Donation After Cardiac Death (DCD) protocol?

Answer	Frequency	Percent	Cumulative Percent
No	27	19.01	19.01
Yes	115	80.99	100.00
Total	142	100	

2. Have you participated in a DCD at CHB?

Answer	Frequency	Percent	Cumulative Percent
No	109	76.76	76.76
Yes	33	23.24	100.00
Total	142	100	

3. How knowledgeable do you feel regarding the DCD protocol at CHB?

Answer	Frequency	Percent	Cumulative Percent
Not at all	11	7.75	7.75
knowledgeable			
Somewhat	108	76.06	83.80
knowledgeable			
Very knowledgeable	23	16.20	100.00
Total	142	100.00	

4. Based on what you currently know about the DCD protocol and CHB policy, is there a mechanism in place to provide oversight of the DCD protocol and address possible conflicts of interest?

Answer	Frequency	Percent	Cumulative Percent
No	15	10.71	10.71
Yes	125	89.29	100.00
Total	140	100	

5. Based on what you currently know about the DCD protocol and CHB policy, is it true that staff who object to DCD may avoid participating in the DCD process or caring for a patient who is expected to be a DCD donor?

Answer	Frequency	Percent	Cumulative Percent
False	12	8.45	8.45
True	130	91.55	100.00
Total	142	100	

Assessing Respondents' Beliefs Regarding Policy

6. Do you think DCD is an acceptable, ethical patient care option for families to consider?

Answer	Frequency	Percent	Cumulative Percent
No	7	4.93	4.93
Yes	135	95.07	100.00
Total	142	100	

7. Do you think the implementation of the DCD protocol is likely to cause pressure on families to consider organ donation as an obligation or expectation?

Answer	Frequency	Percent	Cumulative Percent
Not at all likely	75	52.82	52.82
Somewhat likely	63	44.37	97.18
Very likely	4	2.82	100.00
	142	100.00	

Category	Answer	Frequency	Percent	Cumulative
				Percent
< 1 year old	No	36	25.35	25.35
•	Yes	106	74.65	100.00
	Total	142	100.00	
1 to 3 years old	No	27	19.01	19.01
	Yes	115	80.99	100.00
	Total	142	100.00	
4 to 6 years old	No	26	18.31	18.31
	Yes	116	81.69	100.00
	Total	142	100.00	
	-	1	1	
7 to 12 years old	No	24	16.90	16.90
	Yes	118	83.10	100.00
	Total	142	100.00	
13 to 15 years old	No	18	12.68	12.68
-	Yes	124	87.32	100.00
	Total	142	100.00	
16 years or older	No	11	7.75	7.75
	Yes	131	92.25	100.00
	Total	142	100.00	

8. Do you think it is appropriate for DCD to be offered for CHB patients in the following age groups? Choose all that apply.

Yes on question 8 for	Frequency	Percent	Cumulative Percent
the following age			
groups			
None	3	2.11	2.11
16+	10	7.04	9.15
13+	7	4.93	14.08
7-12	1	0.70	14.79
7+	3	2.11	16.90
4+	2	1.41	18.31
1-6	1	0.70	19.01
1+	9	6.34	25.35
<1	1	0.70	26.06
<4	1	0.70	26.76
<7	1	0.70	27.46
<16	3	2.11	29.58
All	100	70.42	100.00
Total	142	100.00	

Summary table across all age groups:

9. Do you think DCD should be offered only to those families that inquire about organ donation?

Answer	Frequency	Percent	Cumulative Percent
No	93	66.43	66.43
Yes	47	33.57	100.00
Total	140	100	

Assessing Respondents' Comfort Level and Acceptance of DCD

10. If you were a member of the Health Care Team involved with a family considering DCD, how comfortable would you feel expressing your views to the rest of the Health Care Team?

Answer	Frequency	Percent	Cumulative Percent
Not at all	2	1.41	1.41
comfortable			
Somewhat	28	19.72	21.13
comfortable			
Mostly comfortable	45	31.69	52.82
Completely	67	47.18	100.00
comfortable			
Total	142	100.00	

11. How concerned are you that you will experience pressure to participate or not participate in DCD?

Answer	Frequency	Percent	Cumulative Percent
Not at all concerned	111	78.72	78.72
Somewhat concerned	24	17.02	95.74
Very concerned	6	4.26	100.00
Total	141	100.00	

12. Based on what you currently know about the DCD protocol and CHB policy, do you think that the CHB DCD Policy is consistent with the mission of the institution regarding withdrawal of life support?

Answer	Frequency	Percent	Cumulative Percent
No	1	0.79	0.79
Yes	126	99.21	100.00
Total	127	100.00	

Assessing Hospital Staff Willingness to Participate

Answer	Frequency	Percent	Cumulative Percent
No	12	8.70	8.70
Yes	126	91.30	100.00
Total	138	100	

13. Are you in a position in which you might be called upon to participate in a DCD?

14. Are you willing to participate in a DCD?

Answer	Frequency	Percent	Cumulative Percent
No	9	6.52	6.52
Yes	129	93.48	100.00
Total	138	100.00	

Need for Further Discussion

15. Would you participate in a future focus group discussing the DCD protocol in greater detail?

Answer	Frequency	Percent	Cumulative Percent
No	21	15.11	15.11
Yes	118	84.89	100.00
Total	139	100.00	

Respondent Demographic Data

16. What is your current role at CHB?

Answers	Frequency	Percent	Cumulative
			Frequency
Nurse – ICU	82	58.99	58.99
Nurse – OR	1	0.72	59.71
Intensivist	20	14.39	74.10
Surgeon	2	1.44	75.54
Respiratory	20	14.39	89.93
Therapist			
Chaplaincy	2	1.44	91.37
Psychosocial Staff	5	3.60	94.96
Other	7	5.04	100.00
Total	139	100.00	

Answers	Frequency	Percent	Cumulative
			Frequency
< 1 year	7	4.96	4.96
1 to 5 years	49	34.75	39.72
6 to 10 years	27	19.15	58.87
10 or more years	58	41.13	100.00
Total	141	100.00	

17. How many years of service do you have in your current role at	CHB?
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IV. COMMENTS FROM THE RESPONDENTS

As a parent, I would want this option, as both a possible donor or recipient, for my child.

As long as there continue to be opportunities to bring up concerns particular to each case and for these concerns to be heard and given appropriate attention by an overseeing committee/group AT THE TIME of the DCD process, there will not be any issues which cannot be resolved on behalf of both family and staff. This is a key point acting as checks and balances and essential in keeping on track and maintaining priorities.

Have done 2 patients.... the first should never have been considered in my opinion and the second patient was a complete success in all phases of the process

i felt supported as the proccess unfolded by those intimately involved in the development of the protocol, committee members.the family was in no way persauded towards consenting to the process but was allowed to inquire about their options towards donation. the process and intent was clearly explained to those involved & to the family of the intent and process of end of life practices & DCD practices.i felt forunate to be involved with the family, the members involved, and the successful process.

I found question 8 to be difficult to answer as I don't know much about the how DCD differs among age groups. It is personally more difficult for me to advocate for DCD in infants than teenagers/adults, but it is an emotional issue, not nessecarily an ethical one.

I strongly support offering DCD to ALL patients in whom the decision has been made to withdraw support. I feel this is our obligation as a major medical institution.

I think it is critical to assign more experienced staff members to care for patients involved in DCD as previous experience with redirection of support allows different scenarios to be anticipated so that the process goes smoothly.

I think it needs to be made very clear that staff can refuse to participate in this process without fear of pressure to do so or repercussions.

I think that CHMC has gone to extraordinary lengths to make sure that we respect the rights of patients/families re end of life care. I think that many families will wish to participate in DCD and that the knowledge that they have done so will help them in the grieving process.

I understand the rationale behind DCD and that it may be the choice of many parents of terminally ill children. I myself as a parent do not know if I could do it, you really cannot say unless you are in the situation. As far as participating in the care of the child, I feel I would be a very poor candidate as I do not think I would be able to perform my duties due to emotion. Thank you for asking our thoughts.

I would decide whether or not to participate on a case by case basis, depeninding on the ethical variables. Thus I cannot answer #14 with a yes or no.

In my previous job, we were a very busy Level I trauma center. I was a PICU nurse. I can remember many families wanting to donate and having ot be told No bacasue their child wasn't brain dead despite the appropriate decision to redirect care. I think this is a positive opportunity for parents

It is about time that DCD was offered to the families at childrens.

It is critical that the caregivers who present this option have the appropriate interpersonal skills to make this process a positive one. Possibly have gone through PERCS type training to validate that conversational skills are honed for this difficult conversation. Simulation might be helpful to mock a DCD and video the process so that it can be viewed by staff. This may make it a more tangible option.

It seems that we may have strayed a bit from the protocol on the first two cases of DCD in regards to what organs would be harvested, however, the protocol seems to be working smoothly. From what participation i have had in the DCD protocol, the one thing i find the most helpful to the team is the pre-event meeting, in which all members of the team meet to discuss what will happen, and discuss each patient on a case by case basis. I think this is a crucial part of the experience and makes it a smoother event for both the team, and the families.

To be honest, I have only participated in a one time inservice that I really do not remember every particular item, but I do have an overview and somewhat of and understanding, but I definitely would like to know more about it.

To provide opportunity where there is none - life where there is none. DCD could be offered to patients where there may be no alternative.

Was a very professional & caring event that I attended. Dr. Kleinman did an excellent job with the parents & showed utmost concern for the parents needs.

While on balance I favor DCD, I am very concerned that CHB has yet to adopt a common philosophy about the goals of seeking informed consent for transplant. While a large institution such as ours can never achieve complete unanimity, we do as insitution have "evolved" norms. Thus, do we agree that the primary goal is to present the consent process as promoting the "gift of life" as transplant proponenets would advocate or do we an institution agree that our goal in the approach to a family for consent around organ donation (whether DCD or after the diagnosis of brain death) is to ensure that the family is fully informed but not "persuaded" in one direction. I beleive the staff (meaning transplant clinicians and ICU clinicians) are widely divergent in the goal of informed consent and this will be the real source of ongoing tension, if not open hostility, at CHB. Anything to reach common ground on this would be welcome!

Why is this survey being done? It is a very poorly devised survey pushing further the pro-DCD movemeent by using vague questions. It is so apparent the conflict of interest of having the head of transplant be co-Chair of the DCD protocol. This entire system is very unethical due to it being driven by the transplant program.

Withdrawal of Life Support should focus soley on patient comfort and family support; DCD interfers with this mission (large volume blood draw for testing prior to withdrawal, DCD pt had A-line placed soley for DCD purposes, unable to stop IVF/remove IV access, transfer to OR setting adds unnecessary disruption to care of patient/family). None of this is done for the patient's best interest which should be the only focus while the patient is alive.

V. BIVARIATE STATISTICS

1. By the Current role of the Respondent at CHB

Assessing Respondents' Knowledge and Background regarding DCD

1. Have you attended an informational session at CHB regarding the Donation After Cardiac Death (DCD) protocol?

Current Role	An	swer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	8	75	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	9.64%	90.36%	100.00%
	7	13	20
Intensivist			(14.39% of all)
	35.00%	65.00%	100.00%
	1	1	2
Surgeon			(1.44% of all)
	50.00%	50.00%	100.00%
	5	15	20
Respiratory Therapist			(14.39% of all)
	25.00%	75.00%	100.00%
Chapleiney (n-2) and Bayehosocial	2	5	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II=3)	28.57%	71.43%	100.00%
	4	3	7
Other			(5.04% of all)
	57.14%	42.86%	100.00%
	27	112	139
Total			(100% of all)
	19.42%	80.58%	100.00%

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	70	13	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	84.34%	15.66%	100.00%
	12	8	20
Intensivist			(14.39% of all)
	60.00%	40.00%	100.00%
	1	1	2
Surgeon			(1.44% of all)
	50.00%	50.00%	100.00%
	15	5	20
Respiratory Therapist			(14.39% of all)
	75.00%	25.00%	100.00%
Charleiner (n-2) and Payahogonial	2	5	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II-3)	28.57%	71.43%	100.00%
	6	1	7
Other			(5.04% of all)
	85.71%	14.29%	100.00%
	106	33	139
Total			(100% of all)
	76.26%	23.74%	100.00%

2. Have you participated in a DCD at CHB?

Current role		Answer		
	Not at all	Somewhat	Very	Total
	knowledgeable	knowledgeable	knowledgeable	(% of all
				respondents to this
				question)
Numero $ICU(n-92)$	5	69	9	83
Nurse – ICU (n=82) and OR (n=1)				(59.71% of all)
and $OK(II=1)$	6.02%	83.13%	10.84%	100.00%
	1	11	8	20
Intensivist				(14.39% of all)
	5.00%	55.00%	40.00%	100.00%
	0	2	0	2
Surgeon				(1.44% of all)
	0.00%	100.00%	0.00%	100.00%
Despinatory	3	15	2	20
Respiratory Therapist				(14.39% of all)
Therapist	15.00%	75.00%	10.00%	100.00%
Chaplaincy (n=2)	1	4	2	7
and Psychosocial				(5.04% of all)
Staff (n=5)	14.29%	57.14%	28.57%	100.00%
	1	5	1	7
Other				(5.04% of all)
	14.29%	71.43%	14.29%	100.00%
	11	106	22	139
Total				(100% of all)
	7.91%	76.26%	15.83%	100.00%

3. How knowledgeable do you feel regarding the DCD protocol at CHB?

4. Based on what you currently know about the DCD protocol and CHB policy, is there a mechanism in place to provide oversight of the DCD protocol and address possible conflicts of interest?

Current Role	Ar	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	8	74	82
Nurse – ICU (n=81) and OR (n=1)			(59.85% of all)
	9.76%	90.24%	100.00%
	0	20	20
Intensivist			(14.60% of all)
	0.00%	100.00%	100.00%
	0	2	2
Surgeon			(1.46% of all)
	0.00%	100.00%	100.00%
	5	15	20
Respiratory Therapist			(14.60% of all)
	25.00%	75.00%	100.00%
Chapleiney (n-2) and Bayahagagial	1	6	7
Chaplaincy $(n=2)$ and Psychosocial Stoff $(n=5)$			(5.11% of all)
Staff (n=5)	14.29%	85.71%	100.00%
	0	6	6
Other			(4.38% of all)
	0.00%	100.00%	100.00%
	14	123	137
Total			(100% of all)
	10.22%	89.78%	100.00%

5. Based on what you currently know about the DCD protocol and CHB policy, is it true that staff who object to DCD may avoid participating in the DCD process or caring for a patient who is expected to be a DCD donor?

Current Role	Aı	nswer	
	False	True	Total
			(% of all
			respondents to
			this question)
	8	75	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	9.64%	90.36%	100.00%
	0	20	20
Intensivist			(14.39% of all)
	0.00%	100.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Charlein and (n. 2) and Deceleration	1	6	7
Chaplaincy $(n=2)$ and Psychosocial			(5.04% of all)
Staff (n=5)	14.29%	85.71%	100.00%
	0	7	7
Other			(5.04% of all)
	0.00%	100.00%	100.00%
	11	128	139
Total			(100% of all)
	7.91%	92.09%	100.00%

Assessing Respondents' Beliefs Regarding Policy

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	2	81	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	2.41%	97.59%	100.00%
	1	19	20
Intensivist			(14.39% of all)
	5.00%	95.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Chapleiner $(n-2)$ and Bayehosooial	1	6	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II-5)	14.29%	85.71%	100.00%
	0	7	7
Other			(5.04% of all)
	0.00%	100.00%	100.00%
	6	133	139
Total			(100% of all)
	4.32%	95.68%	100.00%

6. Do you think DCD is an acceptable, ethical patient care option for families to consider?

7. Do you think the implementation of the DCD protocol is likely to cause pressure on families to consider organ donation as an obligation or expectation?

Current role	Answer			
	Not at all	Somewhat	Very likely	Total
	likely	likely		(% of all
				respondents to this
				question)
Nurse – ICU (n=82)	47	36	0	83
and OR $(n=1)$				(59.42% of all)
	56.63%	43.37%	0.00%	100.00%
	8	10	2	20
Intensivist				(14.49% of all)
	40.00%	50.00%	10.00%	100.00%
	2	0	0	2
Surgeon				(1.45% of all)
	100.00%	0.00%	0.00%	100.00%
Respiratory	10	10	0	20
Therapist				(14.49% of all)
Петарія	50.00%	50.00%	0.00%	100.00%
Chaplaincy (n=2)	4	2	1	7
and Psychosocial				(5.04% of all)
Staff (n=5)	57.14%	28.57%	14.29%	100.00%
	4	3	0	7
Other				(5.07% of all)
	57.14%	42.86%	0.00%	100.00%
	75	61	3	139
Total				(100% of all)
	53.96%	43.88%	2.16%	100.00%

8. Do you think it is appropriate for DCD to be offered for CHB patients in the following age groups? Choose all that apply.

<u>Age group: < 1 year old</u>

Current Role	An	swer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	24	59	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	28.92%	71.08%	100.00%
	3	17	20
Intensivist			(14.39% of all)
	15.00%	85.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	4	16	20
Respiratory Therapist			(14.39% of all)
	20.00%	80.00%	100.00%
Charlein and (n. 2) and Development of the	2	5	7
Chaplaincy $(n=2)$ and Psychosocial			(5.04% of all)
Staff (n=5)	28.57%	71.43%	100.00%
	1	6	7
Other			(5.04% of all)
	14.29%	85.71%	100.00%
	34	105	139
Total			(100% of all)
	24.46%	75.54%	100.00%

Age group: 1 to 3 years old

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	18	56	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	21.69%	78.31%	100.00%
	4	16	20
Intensivist			(14.39% of all)
	20.00%	80.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Chapleiney (n-2) and Developed	0	7	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II-3)	0.00%	100.00%	100.00%
	1	6	7
Other			(5.04% of all)
	14.29%	85.71%	100.00%
	25	114	139
Total			(100% of all)
	4.32%	95.68%	100.00%

Age group: 4 to 6 years old

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	17	66	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	20.48%	79.52%	100.00%
	4	16	20
Intensivist			(14.39% of all)
	20.00%	80.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Chaplainey (n-2) and Dayahasasial	0	7	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II-3)	0.00%	100.00%	100.00%
	1	6	7
Other			(5.04% of all)
	14.29%	85.71%	100.00%
	24	115	139
Total			(100% of all)
	17.27%	82.73%	100.00%

Age group: 7 to 12 years old

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	13	70	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	15.66%	84.34%	100.00%
	5	15	20
Intensivist			(14.39% of all)
	25.00%	75.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Chapleiney (n-2) and Bayehosocial	1	6	7
Chaplaincy $(n=2)$ and Psychosocial Stoff $(n=5)$			(5.04% of all)
Staff (n=5)	14.29%	85.71%	100.00%
	1	6	7
Other			(5.04% of all)
	14.29%	85.71%	100.00%
	22	117	139
Total			(100% of all)
	15.83%	84.17%	100.00%

Age group: 13 to 15 years old

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	8	75	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	9.64%	90.36%	100.00%
	4	16	20
Intensivist			(14.39% of all)
	20.00%	80.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Chapleiney $(n-2)$ and Psychosocial	1	6	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II=5)	14.29%	85.71%	100.00%
	1	6	7
Other			(5.04% of all)
	14.29%	85.71%	100.00%
	16	123	139
Total			(100% of all)
	11.51%	88.49%	100.00%

Age group: 16 years or older

Current Role	Aı	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	3	80	83
Nurse – ICU (n=82) and OR (n=1)			(59.71% of all)
	3.61%	96.39%	100.00%
	4	16	20
Intensivist			(14.39% of all)
	20.00%	80.00%	100.00%
	0	2	2
Surgeon			(1.44% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.39% of all)
	10.00%	90.00%	100.00%
Chapleiney (n-2) and Bayehosocial	1	6	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.04% of all)
Stall (II=3)	14.29%	85.71%	100.00%
	0	7	7
Other			(5.04% of all)
	0.00%	100.00%	100.00%
	10	129	139
Total			(100% of all)
	7.19%	92.81%	100.00%

Current Role	Aı	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	54	28	82
Nurse – ICU (n=81) and OR (n=1)			(59.85% of all)
	65.85%	34.15%	100.00%
	11	9	20
Intensivist			(14.60% of all)
	55.00%	45.00%	100.00%
	1	1	2
Surgeon			(1.46% of all)
	50.00%	50.00%	100.00%
	17	3	20
Respiratory Therapist			(14.60% of all)
	85.00%	15.00%	100.00%
Chapleiney $(n-2)$ and Psychosocial	3	4	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.11% of all)
Stall (II-5)	42.86%	57.14%	100.00%
	5	1	6
Other			(4.38% of all)
	83.33%	16.67%	100.00%
	91	46	137
Total			(100% of all)
	66.42%	33.58%	100.00%

9. Do you think DCD should be offered only to those families that inquire about organ donation?

Assessing Respondents' Comfort Level and Acceptance of DCD

10. If you were a member of the Health Care Team involved with a family considering DCD, how comfortable would you feel expressing your views to the rest of the Health Care Team?

Current role		Answ	/er		
	Not at all	Somewhat	Mostly	Completely	Total
	comfortable	comfortable	comfortable	comfortable	(% of all
					respondents to
					this question)
Nurse – ICU	0	15	26	42	83
(n=82) and OR					(59.71% of all)
(n=1)	0.00%	18.07%	31.33%	50.60%	100.00%
	0	4	3	13	20
Intensivist					(14.39% of all)
	0.00%	20.00%	15.00%	65.00%	100.00%
	0	0	0	2	2
Surgeon					(1.44% of all)
	0.00%	0.00%	0.00%	100.00%	100.00%
Respiratory	0	6	10	4	20
Therapist					(14.39% of all)
Therapist	0.00%	30.00%	50.00%	20.00%	100.00%
Chaplaincy	0	1	4	2	7
(n=2) and					(5.04% of all)
Psychosocial	0.00%	14.29%	57.14%	28.57%	100.00%
Staff (n=5)					
	0	2	2	3	7
Other					(5.04% of all)
	0.00%	28.57%	28.57%	42.86%	100.00%
	0	28	45	66	139
Total					(100% of all)
	0.00%	20.14%	32.37%	47.48%	100.00%

Current role		Answer		
	Not at all	Somewhat	Very	Total
	concerned	concerned	concerned	(% of all
				respondents to this
				question)
Nurse – ICU (n=81)	71	10	1	82
and OR $(n=1)$				(59.42% of all)
and $OK(II-1)$	86.59%	12.20%	1.22%	100.00%
	8	8	4	20
Intensivist				(14.49% of all)
	40.00%	40.00%	20.00%	100.00%
	2	0	0	2
Surgeon				(1.45% of all)
	100.00%	0.00%	0.00%	100.00%
Despiratory	18	2	0	20
Respiratory Therapist				(14.49% of all)
Therapist	90.00%	10.00%	0.00%	100.00%
Chaplaincy (n=2)	5	2	0	7
and Psychosocial				(5.07% of all)
Staff (n=5)	71.43%	28.57%	0.00%	100.00%
	6	1	0	7
Other				(5.07% of all)
	85.71%	14.29%	0.00%	100.00%
	110	23	5	138
Total				(100% of all)
	79.71%	16.67%	3.62%	100.00%

11. How concerned are you that you will experience pressure to participate or not participate in DCD?

12. Based on what you currently know about the DCD protocol and CHB policy, do you think that the CHB DCD Policy is consistent with the mission of the institution regarding withdrawal of life support?

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	1	76	77
Nurse – ICU (n=76) and OR (n=1)			(62.10% of all)
	1.30%	98.70%	100.00%
	0	20	20
Intensivist			(16.13% of all)
	0.00%	100.00%	100.00%
	0	2	2
Surgeon			(1.61% of all)
	0.00%	100.00%	100.00%
	0	18	18
Respiratory Therapist			(14.52% of all)
	0.00%	90.00%	100.00%
Chapleiner (n-1) and Davahagagial	0	5	5
Chaplaincy (n=1) and Psychosocial Staff (n=4)			(4.03% of all)
Stall (II-4)	0.00%	100.00%	100.00%
	0	2	2
Other			(1.61% of all)
	0.00%	100.00%	100.00%
	1	123	124
Total			(100% of all)
	0.81%	99.19%	100.00%

Assessing Hospital Staff Willingness to Participate

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	3	76	79
Nurse – ICU (n=78) and OR (n=1)			(58.52% of all)
	3.80%	96.20%	100.00%
	0	20	20
Intensivist			(14.81% of all)
	0.00%	100.00%	100.00%
	0	2	2
Surgeon			(1.48% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.81% of all)
	10.00%	90.00%	100.00%
Chapleiner $(n-2)$ and Bayahasasial	2	5	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.19% of all)
Stall (II-5)	28.57%	71.43%	100.00%
	5	2	7
Other			(5.19% of all)
	71.43%	28.57%	100.00%
	12	123	135
Total			(100% of all)
	8.89%	91.11%	100.00%

13. Are you in a position in which you might be called upon to participate in a DCD?

Current Role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	1	79	80
Nurse – ICU (n=79) and OR (n=1)			(59.26% of all)
	1.25%	98.75%	100.00%
	2	18	20
Intensivist			(14.81% of all)
	10.00% 0 0.00%	90.00%	100.00%
	0	2	2
Surgeon			(1.48% of all)
	0.00%	100.00%	100.00%
	2	18	20
Respiratory Therapist			(14.81% of all)
	10.00%	90.00%	100.00%
Chaplaincy (n=1) and Psychosocial	1	5	6
Staff (n=5)			(4.44% of all)
Stall (II=5)	16.67%	83.33%	100.00%
	2	5	7
Other			(5.19% of all)
	28.57%	71.43%	100.00%
	8	127	135
Total			(100% of all)
	5.93%	94.07%	100.00%

14. Are you willing to participate in a DCD?

Need for Further Discussion

Current Role	Answer		
	No	Yes	Total
			(% of all
			respondents to
			this question)
	11	69	80
Nurse – ICU (n=82) and OR (n=1)			(58.82% of all)
	13.75%	86.25%	100.00%
	3	17	20
Intensivist			(14.71% of all)
	15.00%	85.00%	100.00%
	0	2	2
Surgeon			(1.47% of all)
	0.00%	100.00%	100.00%
	4	16	20
Respiratory Therapist			(14.71% of all)
	20.00%	80.00%	100.00%
Chapleiney $(n-2)$ and Bayehospecial	1	6	7
Chaplaincy (n=2) and Psychosocial Staff (n=5)			(5.15% of all)
Starr (II-3)	14.29%	85.71%	100.00%
	1	6	7
Other			(5.15% of all)
	14.29%	85.71%	100.00%
	20	116	136
Total			(100% of all)
	14.71%	85.29%	100.00%

15. Would you participate in a future focus group discussing the DCD protocol in greater detail?

Respondent Demographic Data

17.	How many ve	ears of service	do vou ł	have in your	current role at CHB?
1 /•	i i o o o niceni j o o		40 904 1	ind to inf your	

Current role		Ans	wer		
	< 1 year	1 to 5	6 to 10	10 or	Total
		years	years	more	(% of all
			-	years	respondents to
					this question)
Nurse – ICU (n=82) and OR	2	29	18	34	83
(n=1)					(59.71% of all)
(II-1)	2.41%	34.94%	21.69%	40.96%	100.00%
	2	8	3	7	20
Intensivist					(14.39% of all)
	10.00%	40.00%	15.00%	35.00%	100.00%
	0	2	0	0	2
Surgeon					(1.44% of all)
	0.00%	100.00%	0.00%	0.00%	100.00%
	1	4	4	11	20
Respiratory Therapist					(14.39% of all)
	5.00%	20.00%	20.00%	55.00%	100.00%
Charleiner (r. 2) and	1	5	0	1	7
Chaplaincy $(n=2)$ and Development of $(n=5)$					(5.04% of all)
Psychosocial Staff (n=5)	14.29%	71.43%	0.00%	14.29%	100.00%
	1	1	2	3	7
Other					(5.04% of all)
	14.29%	14.29%	28.57%	42.86%	100.00%
	7	49	27	56	139
Total					(100% of all)
	5.04%	35.25%	19.42%	40.29%	100.00%

2. By the length of service the respondent provided in his/her current role at CHB

Assessing Respondents' Knowledge and Background regarding DCD

1. Have you attended an informational session at CHB regarding the Donation After Cardiac Death (DCD) protocol?

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	5	2	7
< 1 year			(4.96% of all)
	71.43%	28.57%	100.00%
	8	41	49
1-5 years			(34.75% of all)
	16.33%	83.67%	100.00%
	6	21	27
6-9 years			(19.15% of all)
	22.22%	77.78%	100.00%
	8	50	58
10 or more years			(41.13% of all)
	13.79%	86.21%	100.00%
	27	114	141
Total			(100% of all)
	19.15%	80.85%	100.00%

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	4	3	7
< 1 year			(4.96% of all)
	57.14%	42.86%	100.00%
	35	14	49
1-5 years			(34.75% of all)
	71.43%	28.57%	100.00%
	23	4	27
6-9 years			(19.15% of all)
	85.19%	14.81%	100.00%
	46	12	58
10 or more years			(41.13% of all)
	79.31%	20.69%	100.00%
	108	33	141
Total			(100% of all)
	76.60%	23.40%	100.00%

2. Have you participated in a DCD at CHB?

3. How knowledgeable do you feel regarding the DCD protocol at CHB?

Length of service in		Answer		
current role	Not at all	Somewhat	Very	Total
	knowledgeable	knowledgeable	knowledgeable	(% of all
				respondents to
				this question)
	2	5	0	7
< 1 year				(4.96% of all)
	28.57%	71.43%	0.00%	100.00%
	4	41	4	49
1-5 years				(34.75% of all)
	8.16%	83.67%	8.16%	100.00%
	4	18	5	27
6-9 years				(19.15% of all)
	14.81%	66.67%	18.52%	100.00%
	1	43	14	58
10 or more years				(41.13% of all)
	1.72%	74.14%	24.14%	100.00%
	11	107	23	141
Total				(100% of all)
	7.80%	75.89%	16.31%	100.00%

4. Based on what you currently know about the DCD protocol and CHB policy, is there a mechanism in place to provide oversight of the DCD protocol and address possible conflicts of interest?

Length of service in current role	An	swer	
-	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(5.04% of all)
	0.00%	100.00%	100.00%
	7	42	49
1-5 years			(35.25% of all)
	14.29%	85.71%	100.00%
	4	22	26
6-9 years			(18.71% of all)
	15.38%	84.62%	100.00%
	4	53	57
10 or more years			(41.01% of all)
	7.02%	92.98%	100.00%
	15	124	139
Total			(100% of all)
	10.79%	89.21%	100.00%

5. Based on what you currently know about the DCD protocol and CHB policy, is it true that staff who object to DCD may avoid participating in the DCD process or caring for a patient who is expected to be a DCD donor?

Length of service in current role	Aı	nswer	
_	False	True	Total
			(% of all
			respondents to
			this question)
	2	5	7
< 1 year			(4.96% of all)
	28.57%	71.43%	100.00%
	5	44	49
1-5 years			(34.75% of all)
	10.20%	89.80%	100.00%
	3	24	27
6-9 years			(19.15% of all)
	11.11%	88.89%	100.00%
	2	56	58
10 or more years			(41.13% of all)
	3.45%	96.55%	100.00%
	12	129	141
Total			(100% of all)
	8.51%	91.49%	100.00%

Assessing Respondents' Beliefs Regarding Policy

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	2	47	49
1-5 years			(34.75% of all)
	4.08%	95.92%	100.00%
	1	26	27
6 – 9 years			(19.15% of all)
	3.70%	96.30%	100.00%
	4	54	58
10 or more years			(41.13% of all)
	6.90%	93.10%	100.00%
	7	134	141
Total			(100% of all)
	4.96%	95.04%	100.00%

6. Do you think DCD is an acceptable, ethical patient care option for families to consider?

7. Do you think the implementation of the DCD protocol is likely to cause pressure on families to consider organ donation as an obligation or expectation?

Length of service in				
current role	Not at all	Somewhat	Very likely	Total
	likely	likely		(% of all
				respondents to
				this question)
	6	1	0	7
< 1 year				(4.96% of all)
	85.71%	14.29%	0.00%	100.00%
	29	18	2	49
1-5 years				(34.75% of all)
	59.18%	36.73%	4.08%	100.00%
	12	15	0	27
6-9 years				(19.15% of all)
	44.44%	55.56%	0.00%	100.00%
	28	28	2	58
10 or more years				(41.13% of all)
	48.28%	48.28%	3.45%	100.00%
	75	62	4	141
Total				(100% of all)
	53.19%	43.97%	2.84%	100.00%

8. Do you think it is appropriate for DCD to be offered for CHB patients in the following age groups? Choose all that apply.

<u>Age group: < 1 year old</u>

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	13	36	49
1-5 years			(34.75% of all)
	26.53%	73.47%	100.00%
	4	23	27
6 – 9 years			(19.15% of all)
	14.81%	85.19%	100.00%
	19	39	58
10 or more years			(41.13% of all)
	32.76%	67.24%	100.00%
	36	105	141
Total			(100% of all)
	25.53%	74.47%	100.00%

Age group: 1 to 3 years old

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	8	41	49
1-5 years			(34.75% of all)
	16.33%	83.67%	100.00%
	2	25	27
6-9 years			(19.15% of all)
	7.41%	92.59%	100.00%
	17	41	58
10 or more years			(41.13% of all)
-	29.31%	70.69%	100.00%
	27	114	141
Total			(100% of all)
	19.15%	80.85%	100.00%

Age group: 4 to 6 years old

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	8	41	49
1-5 years			(34.75% of all)
	16.33%	83.67%	100.00%
	3	24	27
6-9 years			(19.15% of all)
	11.11%	88.89%	100.00%
	15	43	58
10 or more years			(41.13% of all)
	25.86%	74.14%	100.00%
	26	115	141
Total			(100% of all)
	18.44%	81.56%	100.00%

Age group: 7 to 12 years old

Length of service in current role	A	nswer	
_	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	9	40	49
1-5 years			(34.75% of all)
	18.37%	81.63%	100.00%
	4	23	27
6-9 years			(19.15% of all)
	14.81%	85.19%	100.00%
	11	47	58
10 or more years			(41.13% of all)
	18.97%	81.03%	100.00%
	24	117	141
Total			(100% of all)
	18.44%	81.56%	100.00%

Age group: 13 to 15 years old

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	5	44	49
1-5 years			(34.75% of all)
	10.20%	89.80%	100.00%
	3	24	27
6-9 years			(19.15% of all)
	11.11%	88.89%	100.00%
	10	48	58
10 or more years			(41.13% of all)
	17.24%	82.76%	100.00%
	18	123	141
Total			(100% of all)
	12.77%	87.23%	100.00%

Age group: 16 years or older

Length of service in current role	A	nswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	0	7	7
< 1 year			(4.96% of all)
	0.00%	100.00%	100.00%
	3	46	49
1-5 years			(34.75% of all)
	6.12%	93.88%	100.00%
	3	24	27
6-9 years			(19.15% of all)
	11.11%	88.89%	100.00%
	5	53	58
10 or more years			(41.13% of all)
	8.62%	91.38%	100.00%
	11	130	141
Total			(100% of all)
	7.80%	92.20%	100.00%

Length of service in current role	An	iswer	
	No	Yes	Total
			(% of all
			respondents to
			this question)
	5	2	7
< 1 year			(5.04% of all)
	71.43%	28.57%	100.00%
	29	19	48
1-5 years			(34.53% of all)
	60.42%	39.58%	100.00%
	20	7	27
6-9 years			(19.42% of all)
	74.07%	25.93%	100.00%
	38	19	57
10 or more years			(41.01% of all)
	66.67%	33.33%	100.00%
	92	47	139
Total			(100% of all)
	66.19%	33.81%	100.00%

9. Do you think DCD should be offered only to those families that inquire about organ donation?

Assessing Respondents' Comfort Level and Acceptance of DCD

10. If you were a member of the Health Care Team involved with a family considering DCD, how comfortable would you feel expressing your views to the rest of the Health Care Team?

Current role					
	Not at all	Somewhat	Mostly	Completely	Total
	comfortable	comfortable	comfortable	comfortable	(% of all
					respondents to
					this question)
	0	1	3	3	7
< 1 year					(4.96% of all)
	0.00%	14.29%	42.86%	42.86%	100.00%
	0	12	16	21	49
1-5 years					(34.75% of all)
-	0.00%	24.49%	32.65%	42.86%	100.00%
	0	5	11	11	27
6-9 years					(19.15% of all)
-	0.00%	18.52%	40.74%	40.74%	100.00%
10	2	10	15	31	58
10 or more					(41.13% of all)
years	3.45%	17.24%	25.86%	53.45%	100.00%
	2	28	45	66	141
Totol					(100.00% of
Total					all)
	1.42%	19.86%	31.91%	46.81%	100.00%

Current role		Answer				
	Not at all	Somewhat	Very	Total		
	concerned	concerned	concerned	(% of all		
				respondents to this		
				question)		
	5	2	0	7		
< 1 year]		(5.00% of all)		
	71.43%	28.57%	0.00%	100.00%		
	39	8	2	49		
1-5 years]		(35.00% of all)		
	79.59%	16.33%	4.08%	100.00%		
	21	3	2	26		
6-9 years]		(18.57% of all)		
	80.77%	11.54%	7.69%	100.00%		
	45	11	2	58		
10 or more years				(41.43% of all)		
	77.59%	18.97%	3.45%	100.00%		
	110	24	6	140		
Total				(100.00% of all)		
	78.57%	17.14%	4.29%	100.00%		

11. How concerned are you that you will experience pressure to participate or not participate in DCD?

12. Based on what you currently know about the DCD protocol and CHB policy, do you think that the CHB DCD Policy is consistent with the mission of the institution regarding withdrawal of life support?

Length of service in current role	Answer		
	No	Yes	Total
			(% of all
			respondents to
			this question)
< 1 year	0	7	7
			(5.56% of all)
	0.00%	100.00%	100.00%
	0	45	45
1-5 years			(35.71% of all)
	0.00%	100.00%	100.00%
	0	24	24
6-9 years			(19.05% of all)
	0.00%	100.00%	100.00%
10 or more years	1	49	50
			(39.68% of all)
	2.00%	98.00%	100.00%
Total	1	125	126
			(100% of all)
	0.79%	99.21%	100.00%

Assessing Hospital Staff Willingness to Participate

Length of service in current role	Answer		
-	No	Yes	Total
			(% of all
			respondents to
			this question)
< 1 year	0	7	7
			(5.11% of all)
	0.00%	100.00%	100.00%
1 – 5 years	4	45	49
			(35.77% of all)
	8.16%	91.84%	100.00%
6 – 9 years	2	24	26
			(18.98% of all)
	7.69%	92.31%	100.00%
10 or more years	6	49	55
			(40.15% of all)
	10.91%	89.09%	100.00%
Total	12	125	137
			(100% of all)
	8.76%	91.24%	100.00%

13. Are you in a position in which you might be called upon to participate in a DCD?

Length of service in current role	Answer		
	No	Yes	Total
			(% of all
			respondents to
			this question)
< 1 year	0	7	7
			(5.11% of all)
	0.00%	100.00%	100.00%
1 – 5 years	1	48	49
			(35.77% of all)
	2.04%	97.96%	100.00%
6 – 9 years	4	23	27
			(19.71% of all)
	14.81%	85.19%	100.00%
10 or more years	4	50	54
			(39.42% of all)
	7.41%	92.59%	100.00%
Total	9	128	137
			(100% of all)
	6.57%	93.43%	100.00%

14. Are you willing to participate in a DCD?

Need for Further Discussion

15. Would you participate in a future focus group discussing the DCD protocol in greater detail?

Length of service in current role	Answer		
_	No	Yes	Total
			(% of all
			respondents to
			this question)
< 1 year	0	7	7
			(5.07% of all)
	0.00%	100.00%	100.00%
1 – 5 years	10	39	49
			(35.51% of all)
	20.41%	79.59%	100.00%
	4	23	27
6 – 9 years			(19.57% of all)
	14.81%	85.19%	100.00%
10 or more years	7	48	55
			(39.86% of all)
	12.73%	87.27%	100.00%
Total	21	117	138
			(100% of all)
	15.22%	84.78%	100.00%