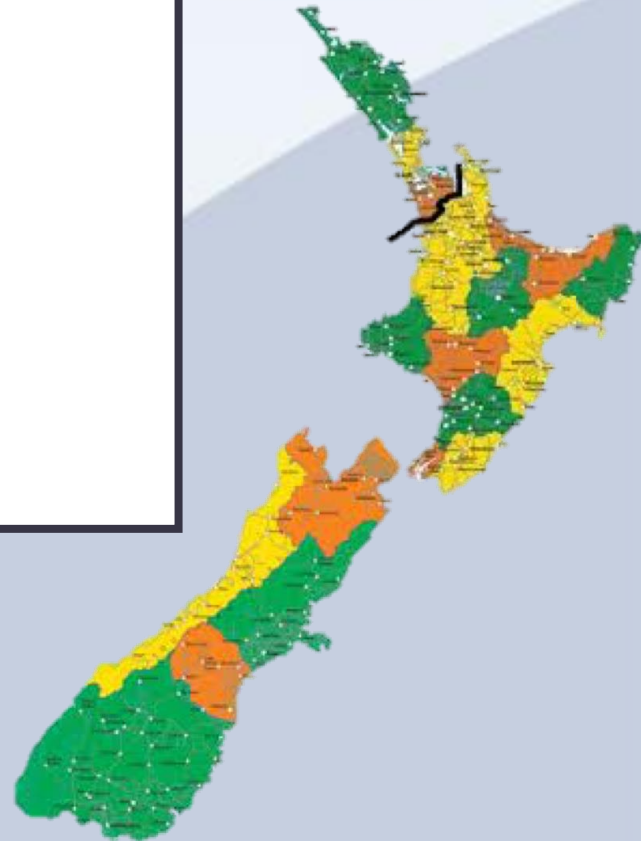


NAECR PROJECT Aotearoa NZ

(or... Three years of Blood, Sweat and Tears...)

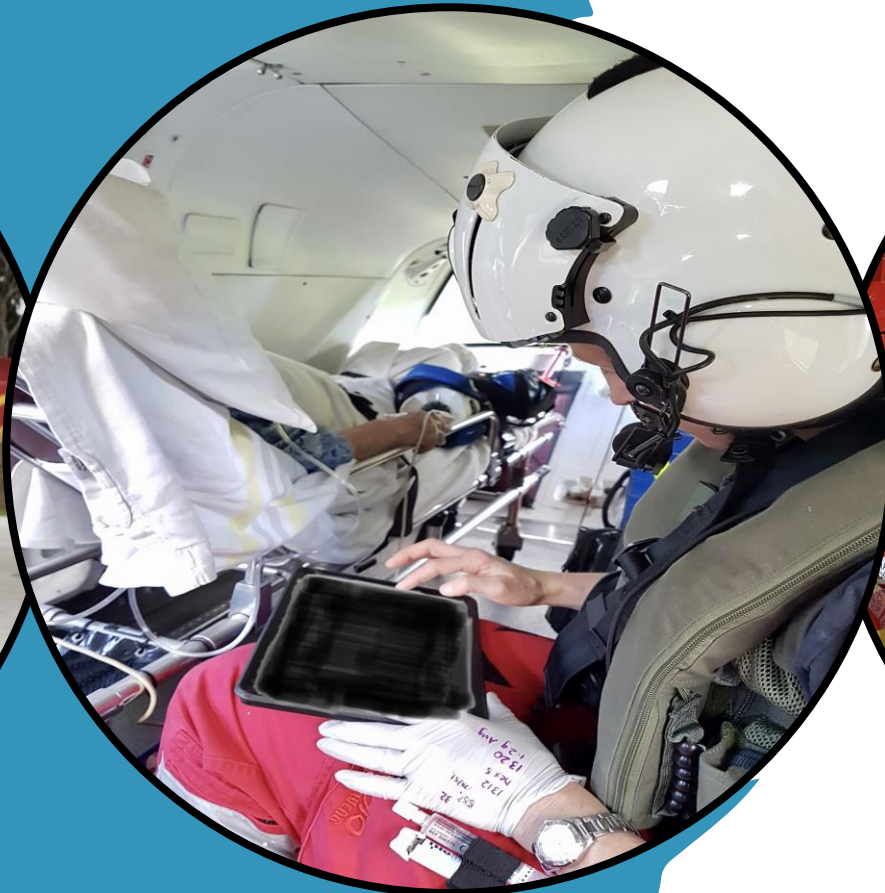
DR ALANA HARPER FACEM
NORTHERN RESCUE HELICOPTER LTD

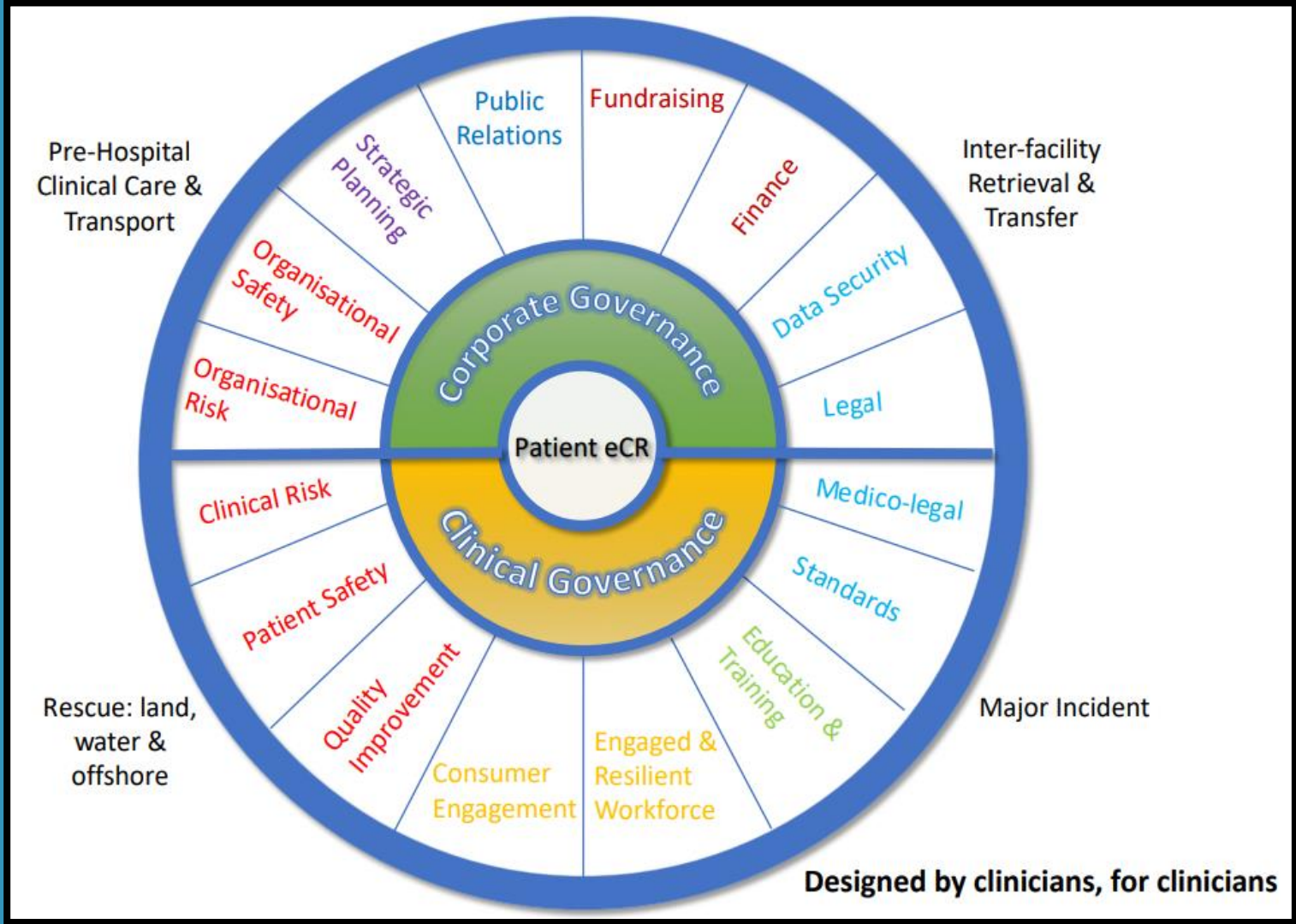


DISCLOSURES

I DISCUSS SEVERAL COMMERCIALY AVAILABLE PRODUCTS IN THIS PRESENTATION. THESE ARE NOT ENDORSEMENTS.
I RECEIVE NO FINANCIAL COMPENSATION FROM ANY OF THE PRODUCTS OR COMPANIES MENTIONED.







ZOLL CARDIAC MONITOR
INTEGRATION

ECR APP - MOBILE WORKING

ECR EXPORT CAPABILITY

SNOMED CT INTEGRATION

ACCIDENT COMPENSATION
CORPORATION INTEGRATION

QR BLOOD PRODUCT SCANNING

JULY 2022

TBC

DEC
2019

P1

P2

P3

P4

AUGUST 2020

OCTOBER 2022

ECR USABILITY SURVEY
UPGRADE EXISTING ECR

NATIONAL HEALTH INDEX
SYSTEM INTEGRATION
REPEAT USABILITY SURVEY

USABILITY

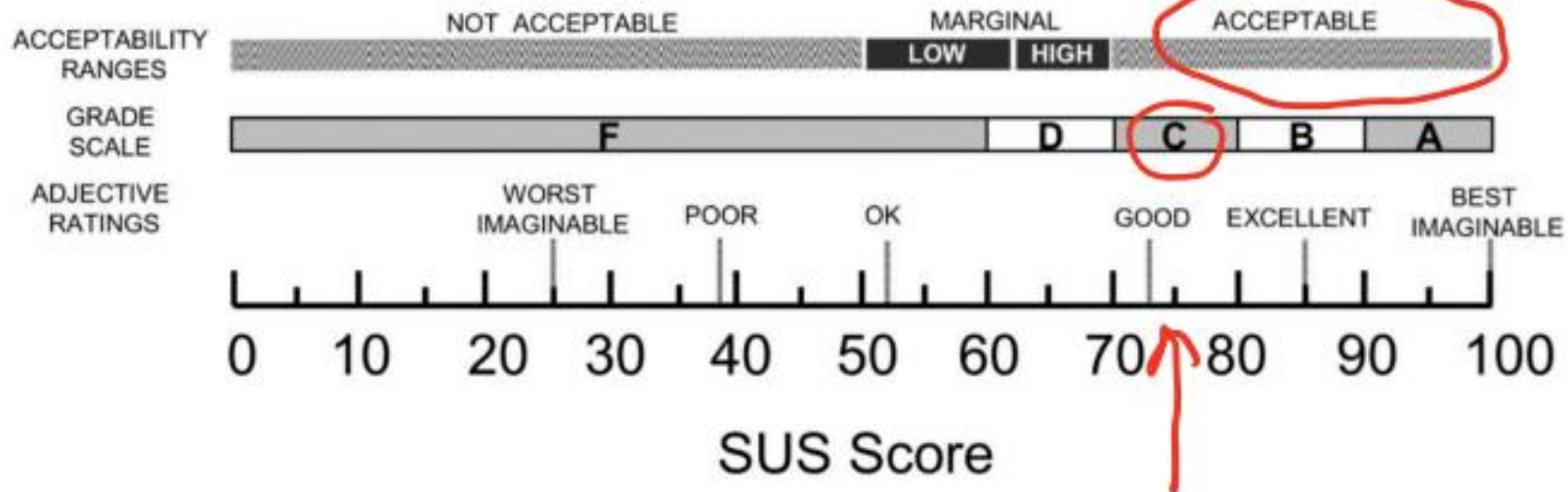


Figure 1 A comparison of the adjective ratings, acceptability scores and school grading scales, in relation to the average SUS Score (adapted from Bangor *et al*⁸). SUS, System Usability Score.

Case Data

Case File ID	89dfbfc6-330e-ed11-aa8-02adee9c4456	Device	NRHL2
Serial Number	AR20F048534	Patient	Patient 1335
Generation	None	Gender	Male

Time	Heart Rate (Ecg)	Non-Invasive Blood Pressure	Non-Invasive Blood Pressure Measured	Invasive Blood Pressure	Cardiac Rhythm	Respiratory Rate	Oxygen Saturation	Oxygen Litres Per Minute	Expired End Tidal Carbon Dioxide	Blood Glucose	GCS	Pupils	Temperature	Pain Score	Code Marker	Events	Ventilation Parameters	Defibrillat
14:52			X													ColdStart, Alarm, Alarm		
14:57	97	109 / 70 (85)	X		Atrial Fibrillation (AF)	17	99%	15	17	23	4 Eye Response: 1 Verbal Response: 2 Motor Response: 1	Left Pupil: Pin Point Right Pupil: Pin Point	34.5	3	KET, ROC	Treatment, Treatment, Alarm, Alarm		
15:02	124	63 / 37 (46)	X			9	98%		38						EVENT, EVENT	Alarm, Treatment, Treatment		
15:07	131	89 / 59 (69)	X						34		3 Eye Response: -1 Verbal Response: -1 Motor Response: -1 [1]				FENT	Treatment	Mechanical Ventilation Volume Control - Controlled Mandatory Ventilation (IPPV or VC - cnav) FIO2: 100 Respiratory Rate: 13 Tidal Volume: 350 Minute Volume: I:E Ratio: 1:2 PEEP: 5	
15:12	133	107 / 68 (81)	X						36									
15:17	130	114 / 69 (84)	X						38									
15:22	123	115 / 65 (81)	X						38									
15:27	117	110 / 67 (81)	X						38									
15:32	111	120 / 74 (89)	X				98%		39									

KET, ROC

Treatment, Treatment, Alarm, Alarm

EVENT, EVENT

Alarm, Treatment, Treatment

14:57	97	109 / 70 (85)
15:02	124	63 / 37 (46)

Benchmark Summary
 Time Period: January 2021 - December 2021
 Program: ARHT



Advanced Airway Management

Abbr	Metric	Prog Num	Prog Den	Prog Rate	12 Month Trend	GAMUT Rate	GAMUT ABC	Desired Direction	Icon	Page
AAC	Ventilator use - total	45	61	73.77%		94.92%	99.84%	↑		p. 9
VUP	Ventilator use - pediatric	1	2	50.00%		92.04%	99.84%	↑		p. 11
VUA	Ventilator use - adult	44	59	74.58%		94.42%	99.91%	↑		p. 13
CAP	Waveform capnography - total	58	60	96.67%		93.38%	99.91%	↑		p. 15
CAPP	Waveform capnography - pediatric	2	2	100.00%		86.77%	96.84%	↑		p. 17
CAPA	Waveform capnography - adult	56	58	96.55%		96.55%	99.88%	↑		p. 19
INTP	First attempt intubation success - pediatric	2	2	100.00%		78.86%	94.12%	↑		p. 21
INTA	First attempt intubation success - adult	55	57	96.49%		89.79%	94.53%	↑		p. 23
DASHP	DASH 1A - pediatric	2	2	100.00%		75.00%	90.23%	↑		p. 25
DASHA	DASH 1A - adult	50	57	87.72%		80.52%	90.47%	↑		p. 27
VERTT	Verification of TT placement	55	58	94.83%		96.64%	99.68%	↑		p. 29



**CREATING INTEGRATED DIGITAL WORKPLACES: SIMPLIFYING DATA
ENTRY & ENHANCING DATA COLLECTION**

**CLINICIAN DRIVEN DESIGN IS ENABLING DATA INFORMED CLINICAL
& CORPORATE CULTURES**

**ENABLING A NATIONAL APPROACH TO CONTINUOUS QUALITY
IMPROVEMENT**



phrmnetwork @acem.org.au



Australasian College
for Emergency Medicine

