Case Study - A workable training needs analysis for CQC inspectors

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Treatment
Centre

NHS
Main Entrance

Core Devices – Equipment Library Inventory

Brand	Model	Category	Risk
ALARIS	ASENA GH GUARDRAILS	SYRINGE DRIVER	20
McKINLEY MEDICAL LTD	T34	SYRINGE DRIVER	20
CAREFUSION	IVAC PCAM	SYRINGE DRIVER	20
ALARIS	SIGNATURE SE1	VOLUMETRIC INFUSION PUMP	20
LAERDAL	LSU	SUCTION PORTABLE	9
GP CARE SYSTEMS	GLIDEAWAY	BED MECHANICAL	8
3M HEALTHCARE	RANGER 245	BLOOD WARMER	6
3M HEALTHCARE	775 BAIR HUGGER	PATIENT WARMING SYSTEM	6
NUTRICIA	FLOCARE INFINITY	FEED PUMP	6
VERATHON	PRIME	ULTRASOUND BLADDER SCANNER	4
RESPIRONICS	PORTANEB	NEBULISER	4
COVIDIEN (BICESTER)	PM100N BEDSIDE SPO2	OXIMETER MONITOR	4
HME	LIFEPULSE 10	ECG MONITOR	1
GE MARQUETTE	MAC 2000	ECG RECORDER	1

Core Devices – Removed

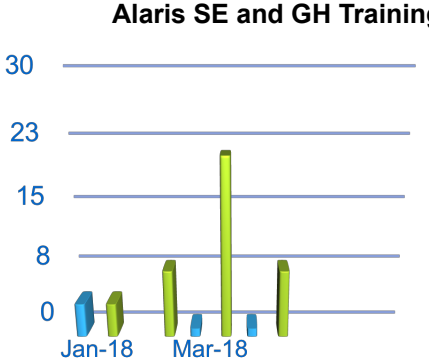
Brand	Model	Category	Risk	
CAREFUSION	IVAC PCAM	SYRINGE DRIVER	20	Managed by Pain Team
GP CARE SYSTEMS	GLIDEAWAY	BED MECHANICAL	8	Managed by Tissue Viability
VERATHON	PRIME	ULTRASOUND BLADDER SCANNER	4	Low risk
RESPIRONICS	PORTANEB	NEBULISER	4	
COVIDIEN (BICESTER)	PM100N BEDSIDE SPO2	OXIMETER MONITOR	4	
HME	LIFEPULSE 10	ECG MONITOR	1	
GE MARQUETTE	MAC 2000	ECG RECORDER	1	

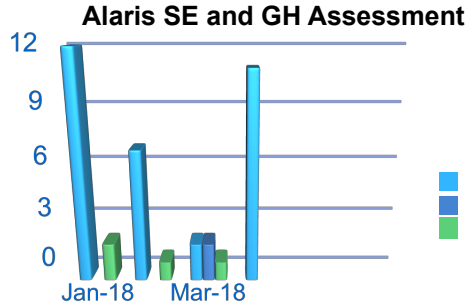
Final Core Device List 2018

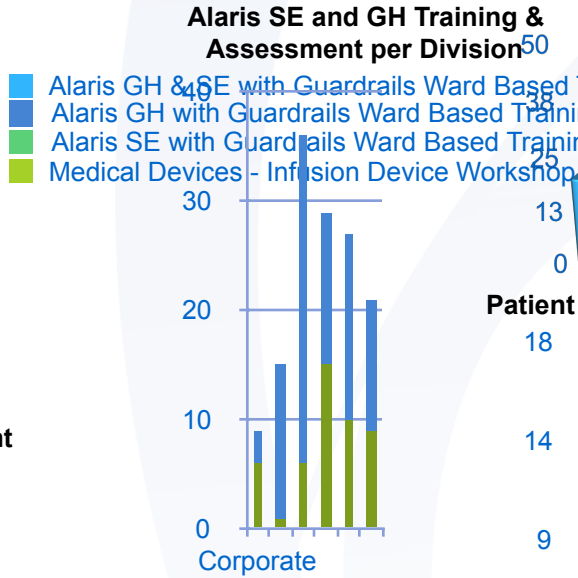
Brand	Model	Category	Risk
ALARIS	ASENA GH GUARDRAILS	SYRINGE DRIVER	20
ALARIS	SIGNATURE SE1	VOLUMETRIC INFUSION PUMP	20
McKINLEY MEDICAL LTD	T34	SYRINGE DRIVER	20
THERAPY EQUIPMENT LTD	HIGH SUCTION DIAMOND	VACUUM REGULATOR	9
THERAPY EQUIPMENT LTD 0-15LPM	DIAMOND RANGE FLOWMETER (PROBE)	FLOW METER OXYGEN	9
LAERDAL	LSU	SUCTION PORTABLE	9
3M HEALTHCARE	RANGER 245	BLOOD WARMER	6
3M HEALTHCARE	775 BAIR HUGGER	PATIENT WARMING SYSTEM	6
NUTRICIA	FLOCARE INFINITY	FEED PUMP	6
		MEDICAL GAS SAFETY	

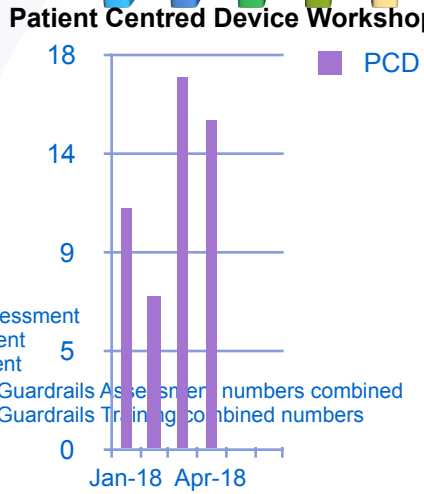
Course	Content
Infusion Device Therapy Workshop	• Alaris SE with guardrails • Alaris GH with guardrails • Needle free devices/Chloroprep/Administration sets
Patient Centred Device Workshop – Provided within Nurse Induction	• Nimbus pressure relieving mattress (ISkill) • Airway suction equipment & regulators plus flow meters • Oxygen awareness, safety and transportation. • Medical Gas Supply and Area Valve Supply Units. • Bair Hugger • Ranger Fluid Warmer • Flat Lifter (provided by manual handling team) • Nutricia Feeding Pump
Ward based training	**Training available includes:** • Alaris SE with guardrails • Alaris GH with guardrails • Wall Suction • LSU • Oxygen Awareness • Cylinder Safety • McKinley T34 • Ranger • Bair Hugger • Flow meter testing • Area Services Valve Units • Medical Gas Panel • New consumables
Ward based assessment	• Alaris SE with guardrails • Alaris GH with guardrails • McKinley T34
Core Training	• Alaris SE with guardrails • Alaris GH with guardrails • McKinley T34 Syringe Driver • Related Consumables

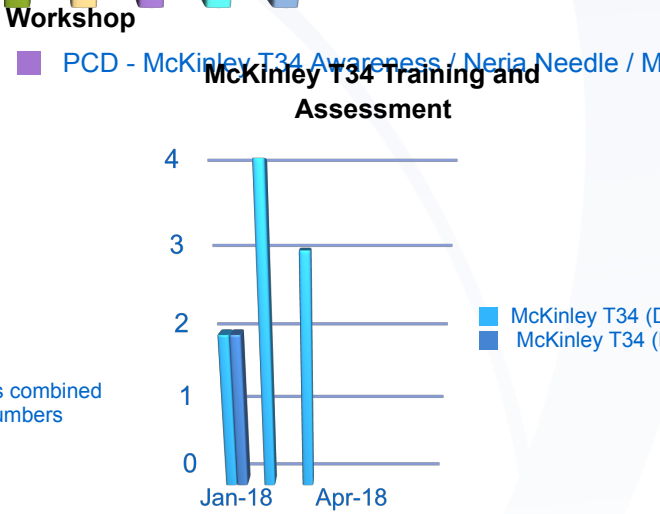
Medical Device Team Training Figures











easylearning

Medical Devices Team
Education for safe practice

Welcome to

Heart of England NHS
NHS Foundation Trust

Medical Devices Training Needs Analysis (TNA)

- Introduction & Guidance
- Competency Questionnaire
- Compulsory Elements
- Additional Resources & Reading
- Alaris SE with Guardrails
- Alaris GH with Guardrails
- McKinley T34 Syringe Drivers
- Wall Oxygen
- Wall Suction
- Medical Gas Cylinder Safety
- Bair Hugger
- Laerdal Suction Unit (LSU)
- Nutricia Infinity Feeding Pump
- Ranger Fluid/Blood Warmer

Alaris SE*

○ I use this equipment ○ I do not use this equipment

Alaris GH*

○ I use this equipment ○ I do not use this equipment

What is your level of competence using the Alaris SE

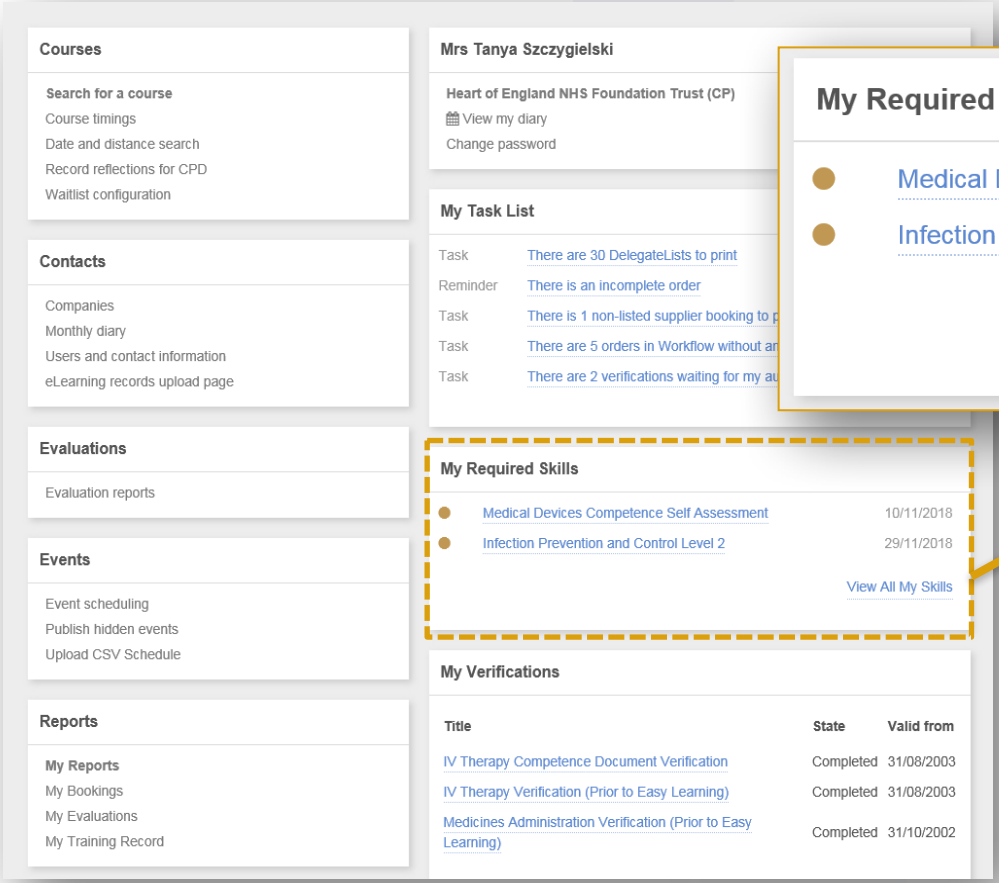
○ I am competent using this equipment ○ I am not competent using this equipment

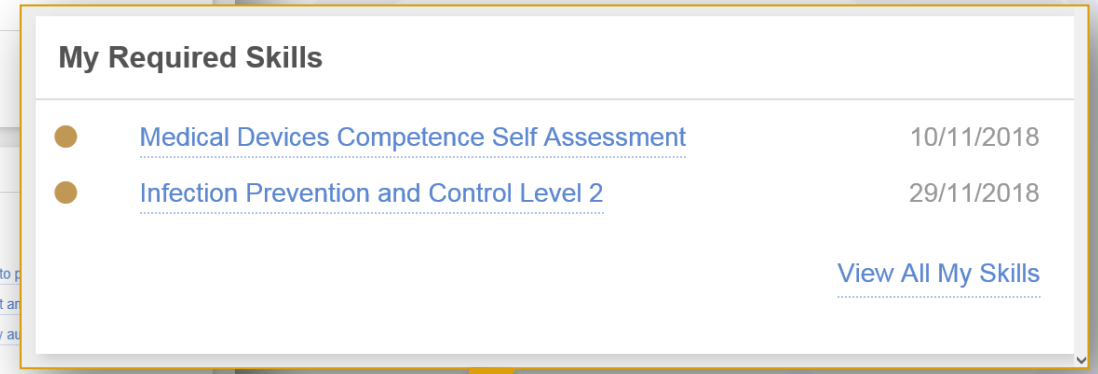
Why do you not use the Alaris SE?

○ I am not a registered health care professional ○ My role does not require me to use this device

Please select your area below*

- ○ Div 1 ID Outpatients
- ○ Div 1 ITU-HDU
- ○ Div 1 Theatres
- ○ Div 1 Wards
- ○ Div 2 Community Children's Nursing
- ○ Div 2 Community Midwives
- ○ Div 2 Delivery Suite
- ○ Div 2 Gynae Outpatients
- ○ Div 2 NNU-SCBU
- ○ Div 2 Paeds-HDU
- ○ Div 2 Wards
- ○ Div 3 ED-AMU
- ○ Div 3 Wards
- ○ Div 4 CNS
- ○ Div 4 Community Adult Nursing
- ○ Div 4 Renal-Dialysis
- ○ Div 4 Wards
- ○ Div 5 Wards
- ○ Div 5 Dentistry
- ○ Corporate


Courses
Search for a course
Course timings
Date and distance search
Record reflections for CPD
Waitlist configuration
Contacts
Companies
Monthly diary
Users and contact information
eLearning records upload page
Evaluations
Evaluation reports
Events
Event scheduling
Publish hidden events
Upload CSV Schedule
Reports
My Reports
My Bookings
My Evaluations
My Training Record
Mrs Tanya Szczygielski
Heart of England NHS Foundation Trust (CP)
View my diary
Change password
My Task List
Task There are 30 DelegateLists to print
Reminder There is an incomplete order
Task There is 1 non-listed supplier booking to p
Task There are 5 orders in Workflow without ar
Task There are 2 verifications waiting for my au
My Required Skills
Medical Devices Competence Self Assessment 10/11/2018
Infection Prevention and Control Level 2 29/11/2018
View All My Skills
My Verifications
Title State Valid from
IV Therapy Competence Document Verification Completed 31/08/2003
IV Therapy Verification (Prior to Easy Learning) Completed 31/08/2003
Medicines Administration Verification (Prior to Easy Learning) Completed 31/10/2002


My Required Skills
Medical Devices Competence Self Assessment 10/11/2018
Infection Prevention and Control Level 2 29/11/2018
View All My Skills

		Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	TOTAL	Deficit
Alaris SE	TNA - training needs	**18**	**12**	**14**	**11**	**11**	**21**	**7**	**6**	**10**	**110**	
	Numbers trained	8	8	22	9	31	9	10	8	9	114	**4**
Alaris GH	TNA – training needs	**21**	**15**	**14**	**13**	**13**	**15**	**6**	**3**	**9**	**109**	
	Numbers trained	8	8	22	9	30	9	10	8	10	114	**5**
McKinley T34	TNA - training needs	**19**	**9**	**13**	**10**	**13**	**6**	**7**	**4**	**8**	**89**	
	Numbers trained	2	4	3	0	0	0	3	3	0	15	**-74**
Wall Oxygen	TNA - training needs	**7**	**9**	**7**	**6**	**5**	**2**	**2**	**1**	**7**	**46**	
	Numbers trained	21	10	17	31	18	72	40	5	9	223	**177**
Wall Suction	TNA - training needs	**8**	**9**	**6**	**4**	**5**	**2**	**4**	**5**	**6**	**49**	
	Numbers trained	22	18	17	15	22	61	40	6	9	210	**161**
Medical Gas Safety	TNA - training needs	**20**	**12**	**19**	**5**	**6**	**10**	**6**	**7**	**4**	**89**	
	Numbers trained	84	80	115	100	49	33	28	23	38	550	**461**
Bair Hugger	TNA - training needs	**23**	**11**	**13**	**5**	**6**	**1**	**4**	**6**	**4**	**73**	
	Numbers trained	11	7	17	15	10	10	13	0	11	94	**21**
Infinity feeding pump	TNA - training needs	**9**	**10**	**7**	**8**	**5**	**5**	**3**	**1**	**6**	**54**	
	Numbers trained	11	7	17	15	10	10	12	0	9	91	**37**
LSU	TNA - training needs	**14**	**9**	**5**	**9**	**6**	**2**	**3**	**4**	**4**	**56**	
	Numbers trained	21	13	21	31	10	10	40	5	12	163	**107**
Ranger Fluid Warmer	TNA - training needs	**10**	**13**	**13**	**3**	**10**	**5**	**6**	**4**	**3**	**67**	
	Numbers trained	11	7	17	15	10	10	13	2	15	100	**33**

TNA Completion

Division	Target	Trained	Total %
C1 - Corporate	80	34	42.50%
C3 - Trustwide Education Services	24	15	62.50%
D1 - CSS	912	542	59.43%
D2 - Womens & Childrens	872	492	56.42%
D3 - Emergency Care	1255	732	58.33%
D4 - Medicine	863	396	45.89%
D5 - Surgery	677	430	63.52%
TOTAL	4683	2641	**56.40%**

Outstanding Staff	Numbers	%
Advanced Care Practitioner	11	0.5%
Professional and Technical Staff – Cardiac Physiologists	19	0.9%
Healthcare Assistant	631	**31%**
Helper/Assistant – Radiology	30	1.5%
Medical Technical Officer	101	4.9%
Qualified Nurses	1120	**55%**
Radiographers	94	4.6%
Theatre Assistants	31	1.5%
Ancillary , or Professional and Technical Staff	5	0.2%
TOTAL	2042	

Looking deeper still

		Jan	Feb	Mar	Apr	May	June	Jul	Aug	Sep	TOTAL	Deficit
Alaris SE	TNA - training needs	**18**	**12**	**14**	**11**	**11**	**21**	**7**	**6**	**10**	**110**	
	Numbers trained	8	8	22	9	31	9	10	8	9	114	**4**
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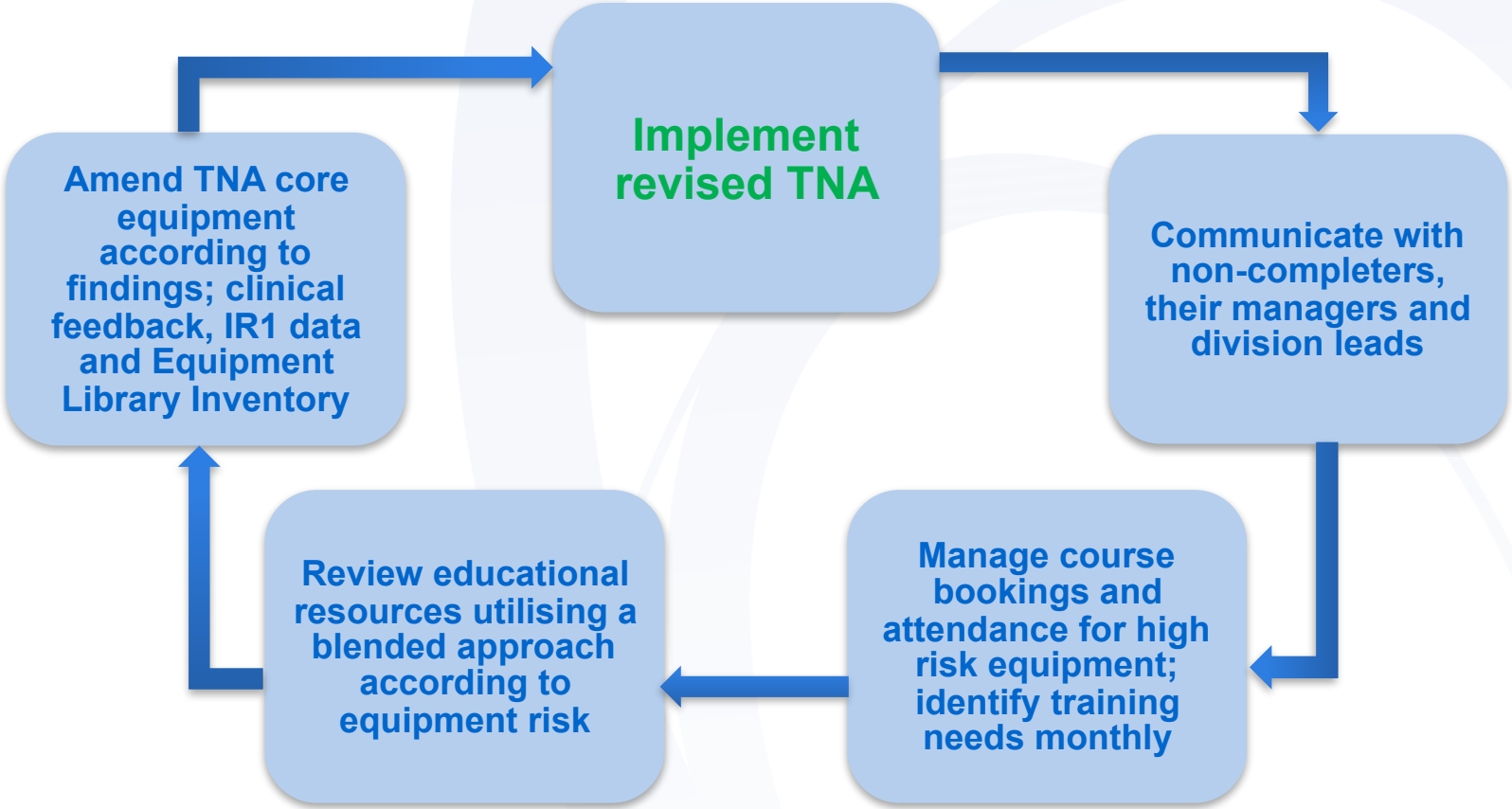
	Numbers trained	2	4	3	0	0	0	3	3	0	15	**-74**

28%

What next? Medical Device IR1's

What next?


Implement revised TNA
Communicate with non-completers, their managers and division leads
Manage course bookings and attendance for high risk equipment; identify training needs monthly
Review educational resources utilising a blended approach according to equipment risk
Amend TNA core equipment according to findings; clinical feedback, IR1 data and Equipment Library Inventory

Thank you