TABLE 1 Alder Hey summary of the implementation of PUMA action plan initiatives and non-PUMA initiatives

Name of initiative	Implemented?	Embedded?
PUMA initiatives		
Monthly critical deterioration review	Yes	No
Out-of-hours SOP for on-call medical teams	Yes	Yes
Family Engagement Tool	No	–
Training clinical staff on (1) PEWS, (2) recognition and response to deterioration and (3) NICE sepsis screening	Yes	Yes
SOP for improving ward rounds	No	–
Non-PUMA initiatives		
Lower trigger threshold	Yes	Yes
Sepsis 6 pathway	Yes	Yes
Appointment of additional staff: specialist sepsis nurses	Yes	Yes
Development of a SOP to define and clarify co-ordinator/nurse in charge roles	Yes	Yes
Introduction of a safety huddle	Yes	Yes
Ward-specific escalation plan	Yes	Yes
Communication checklist for HDU and PICU transfers	Yes	No

TABLE 2 Arrowe Park summary of implementation of PUMA action plan initiatives and non-PUMA initiatives

Name of initiative	Implemented?	Embedded?
PUMA initiatives		
Introduction of a second daily huddle	No	No
Joint handover sheets, using the SBAR tool	Changed (doctors' handover sheet changed to include all patients; nurses' handover sheet changed from unstructured sheet to SBAR format)	Yes
Nurse education	Yes	No
Introduction of the SHINE leaflets and poster	Yes	No
Non-PUMA initiatives		
Safety huddle	Yes	Yes
Electronic early warning scoring system	Yes	Yes

TABLE 3 Noah's Ark summary of the implementation of PUMA action plan initiatives

Name of Initiative	Implemented?	Embedded?
PUMA Initiatives		
Electronic site board	Changed (to whiteboard)	Yes
Escalation policy	Yes	Yes
Modified SHINE tool	Yes	No

TABLE 4 Morriston summary of the implementation of PUMA action plan initiatives

Name of initiative	Implemented?	Embedded?
PUMA initiatives		
Create posters and cards for staff to signpost abnormal thresholds for vital signs	Yes	Yes
Update observation charts to include normal age-related thresholds	Yes	Yes
Update and disseminate observation policy	Yes	N/A
Conduct inventory of equipment	Yes	N/A
Explore tools for family/parental involvement	Yes	No
Establish a staff training course on situational awareness	Yes	Yes
Introduce process for identifying 'watchers' at each 'huddle' and handover, for example with markers on a whiteboard	Changed	Yes
Formally establish Deteriorating Child Study Day across health board	No	No
Roll out in-house e-learning package for nursing and medical staff	No	No
Ward nursing staff to spend more time observing HDU staff	No	No
Move to adopt 3 × daily 'huddles'/board rounds	No	No
Review handover content. Possibility of including nursing staff in medical handover	No	No
Re-establish a nursing supernumerary role	No	No
Review communication tools to aid escalation of patient care	No	No
Review and disseminate existing escalation policy	Yes	Yes
N/A, not applicable.		