



Patient Monitoring: From Connected Devices to an Actionable Worklist

A workflow guide for patient admission, continuous vital-sign visibility, alert review, and device operations.

Who it's for

Nursing leadership, clinical operations, virtual-care leaders, biomedical engineering, and IT

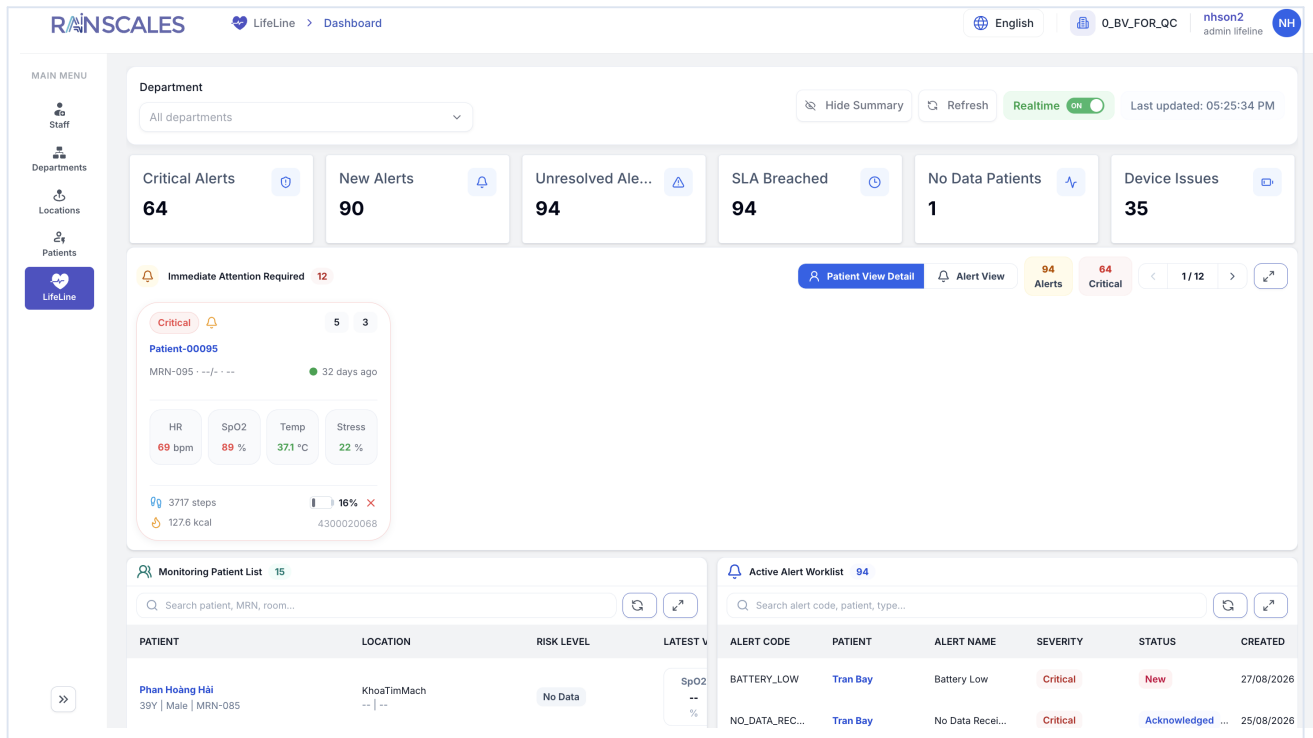
Scope

Product and workflow information grounded in supplied Rainscales materials. Not clinical guidance or a regulatory statement.



Dashboard – Overview of Patient Monitoring and Alerts

1.1 Dashboard 1.1 Dashboard Overview Provides an overview of monitoring activities at the department or hospital level. — Monitor the number of alerts. — Displays patients requiring immediate attention, the monitoring patient list, and the alert worklist. — Supports real-time updates.



Dashboard – Overview of Patient Monitoring and Alerts

Monitoring Patient List – Patients Currently Being Monitored

1.2 Monitoring Patient List List of patients currently being monitored by LifeLine. — Patient information and location. — Risk Level / Monitoring Severity. — Latest Vitals: SpO2, HR, Temperature. — Number of alerts and critical alerts, data status, device status, and last update time.

Monitoring Patient List

15

Search patient, MRN, room...

Restore

PATIENT	LOCATION	RISK LEVEL	LATEST VITALS			ALERTS	CRITICAL	DATA STATUS	DEVICE
Phan Hoàng Hải 39Y Male MRN-085	KhoaTimMach -- --	No Data	SpO2 -- %	HR -- bpm	Temp -- °C	0	0	Offline	
Phan Hoàng Lan 28Y Female MRN-097	Ngoại khoa tầng 5 RoomH --	Critical	SpO2 84 %	HR 131 bpm	Temp 38.5 °C	4	3	Offline	
Patient-00096 -- -- MRN-096	Ngoại khoa tầng 5 -- --	Warning	SpO2 80 %	HR 151 bpm	Temp 36.5 °C	1	0	Offline	
Patient-00095 -- -- MRN-095	Ngoại khoa tầng 5 -- --	Critical	SpO2 89 %	HR 69 bpm	Temp 37.1 °C	5	3	Offline	
Patient-00098 -- -- MRN-098	KhoaTimMach -- --	Critical	SpO2 91 %	HR 62 bpm	Temp 36.1 °C	3	2	Offline	
Patient-00073 -- -- MRN-073	Ngoại khoa tầng 5 -- --	Critical	SpO2 84 %	HR 138 bpm	Temp 36.6 °C	4	3	Offline	
Patient-00074 -- -- MRN-074	Ngoại khoa tầng 5 -- --	Critical	SpO2 86 %	HR 111 bpm	Temp 36.5 °C	4	3	Offline	
			SpO2	HR	Temp				

Showing 1 to 15 of 15 patients

1/1

Active Alert Worklist – Alerts Requiring Action

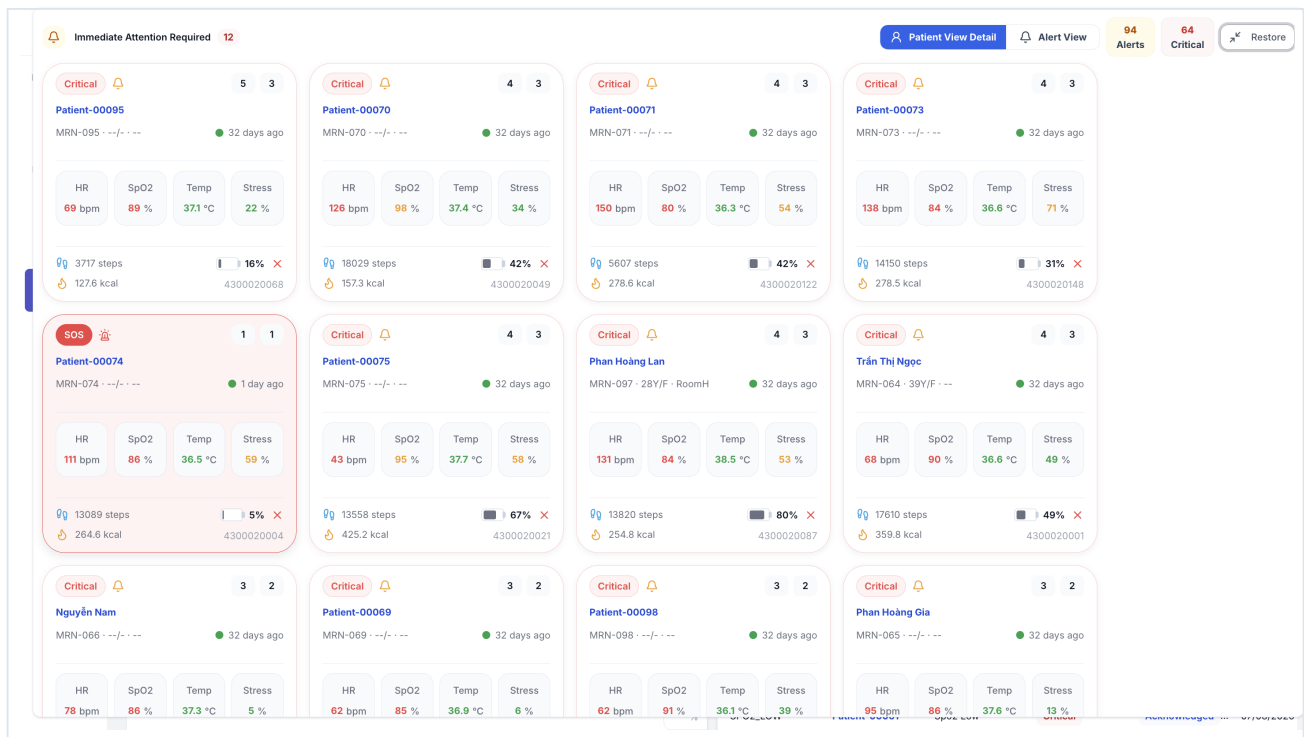
1.3 Active Alert Worklist A centralized worklist of active alerts for healthcare staff to acknowledge and resolve. – Alert Code, Patient, Alert Name, and Severity. – Tracks SLA status and alert occurrence time. – Action: Acknowledge or Resolve based on the alert status.

Active Alert Worklist 94							
Search alert code, patient, type...							
ALERT CODE	PATIENT	ALERT NAME	SEVERITY	STATUS	CREATED	SLA	ACTIONS
NO_DATA_RECEIVED	Tran Bay	No Data Received	Critical	Acknowledged	25/08/2026 14:53	Breached	Resolve
BATTERY_LOW	Tran Bay	Battery Low	Critical	New	27/08/2026 09:50	Breached	Acknowledge
DEVICE_OFFLINE	Tran Bay	DEVICE_OFFLINE	Warning	New	27/08/2026 09:50	Breached	Acknowledge
SPO2_LOW	Phan Gia Hào	Spo2 Low	Critical	New	07/08/2026 09:18	Breached	Acknowledge
TEMP_HIGH	Phan Gia Hào	Temp High	Critical	New	07/08/2026 09:18	Breached	Acknowledge
HR_HIGH	Phan Gia Hào	Hr High	Critical	New	07/08/2026 09:18	Breached	Acknowledge
DEVICE_OFFLINE	Phan Gia Hào	DEVICE_OFFLINE	Warning	New	08/09/2026 14:03	Breached	Acknowledge
SPO2_LOW	Phan Hoàng Nam	Spo2 Low	Critical	New	07/08/2026 11:19	Breached	Acknowledge
HR_HIGH	Phan Hoàng Nam	Hr High	Critical	New	07/08/2026 11:19	Breached	Acknowledge
DEVICE_OFFLINE	Phan Hoàng Nam	DEVICE_OFFLINE	Warning	New	08/09/2026 09:05	Breached	Acknowledge
HR_HIGH	Patient-00061	Hr High	Critical	Acknowledged	07/08/2026 09:18	Breached	Resolve
TEMP_HIGH	Patient-00061	Temp High	Critical	New	07/08/2026 11:19	Breached	Acknowledge
SPO2_LOW	Patient-00061	Spo2 Low	Critical	Acknowledged	07/08/2026 11:19	Breached	Resolve
BATTERY_LOW	Patient-00061	Battery Low	Warning	New	07/08/2026 11:19	Breached	Acknowledge
Showing 1 to 20 of 94 active alerts							
1 / 5							

Active Alert Worklist – Alerts Requiring Action

Immediate Attention Required – Patient View Detail

1.4 Immediate Attention Required — Patient View Detail 1.4 Immediate Attention Required A priority area displaying patients with critical alerts or those requiring immediate attention. Users can switch between two views depending on their operational needs. Patient View Detail Focuses on individual patients for a quick view of their current condition. — Patient cards display severity and key vital signs. — Suitable for quickly monitoring multiple patients at the same time. — Patient details can be opened to view Monitoring Details.



Immediate Attention Required – Patient View Detail

Immediate Attention Required – Alert View

1.5 Immediate Attention Required – Alert View Alert View Focuses on active alerts for each patient. — Displays active alerts and their handling status. — Allows direct Acknowledge / Resolve actions. — Suitable for nurses who need to handle alerts in priority order.

The screenshot displays the 'Immediate Attention Required' alert view interface. At the top, a header bar shows 'Immediate Attention Required' with a bell icon and a count of 27. On the right, there are tabs for 'Patient View Detail' and 'Alert View', with 'Alert View' being the active tab. To the right of the tabs, there are two status indicators: '94 Alerts' and '64 Critical', along with a 'Restore' button. The main area is a grid of 12 patient alert cards, arranged in 3 rows and 4 columns. Each card represents a patient with active alerts. The cards are titled with the patient's name and MRN, followed by their location and room number. Each card lists the patient's alerts, including the time, the alert type (e.g., Hr High, Battery Low, Temp High, Spo2 Low), and the current status (e.g., Acknowledge, Resolve). The cards are color-coded: red for critical alerts and blue for non-critical alerts. The first card for 'Trần Hoàng Nhi' shows 'Hr High' and 'Battery Low' alerts. The second card for 'Đỗ Bảo Lâm' shows 'Hr High' and 'Spo2 Low' alerts. The third card for 'Patient-00061' shows 'Hr High' and 'Spo2 Low' alerts. The fourth card for 'Patient-00091' shows 'Hr High' and 'Spo2 Low' alerts. The fifth card for 'Patient-00095' shows 'Temp High' and 'Hr Low' alerts. The sixth card for 'Patient-00070' shows 'Temp High' and 'Spo2 Low' alerts. The seventh card for 'Patient-00071' shows 'Temp High' and 'Spo2 Low' alerts. The eighth card for 'Patient-00073' shows 'Spo2 Low' and 'Temp High' alerts. The ninth card for 'Patient-00074' shows 'Battery Low' and 'Spo2 Low' alerts. The tenth card for 'Patient-00075' shows 'Spo2 Low' and 'Hr Low' alerts. The eleventh card for 'Phan Gia Hào' shows 'Spo2 Low' and 'Temp High' alerts. The twelfth card for 'Phan Hoàng Lan' shows 'Hr High' and 'Temp High' alerts. Each card also includes a '+ 3 more' link to view additional alerts.

Immediate Attention Required – Alert View

Admission List – Inpatient Record Management

02 Admission Admission manages inpatient records and serves as the connection point between admission information and monitoring activities in LifeLine. 2.1 Admission List A centralized list of admission records that allows users to track status and related operational information. — Admission Code and patient information. — Department, Room/Bed, and Admission / Monitoring status. — Tracks whether patients have or have not been placed under monitoring. — Supports admission and device management actions based on user permissions.

RAINSCALES

LifeLine > Admission

English

0_BV_FOR_QC

nhson2
admin lifeline

NH

MAIN MENU

Staff

Departments

Locations

Patients

LifeLine

Search patient name, room/bed, device...

Filter

Hide Summary

Refresh

New admission

Total Open Ad...
58

New Admission
9

Active Admission
34

In Monitoring
15

Unassigned Ro...
54

Unassigned W...
29

ADMISSION CODE	MRN	AGE / GENDER	FULL NAME	ADMISSION DATE	ADMISSION TIME	ADMISSION TYPE	ADMISSION	ACTIONS
☐ ADM-00082	MRN-082	—	Patient-00082	08/09/2026	03:57 PM	INPATIENT	CHANGE	
☐ ADM-230434	MRN-111	22	Nguyen Sieu	08/09/2026	03:25 PM	INPATIENT	CHAGNE	
☐ adm-0342	MRN-092	34	Nguyễn Ngọc Ngà	08/09/2026	03:16 PM	INPATIENT	change	
☐ ADM-1124	MRN-083	36	Trần Bảo An	08/09/2026	03:07 PM	INPATIENT	CHANGE	
☐ ADM-000089	MRN-089	38	Phan Bảo Nhi	08/09/2026	10:49 AM	INPATIENT	—	
☐ ADM-1123	MRN-083	36	Trần Bảo An	03/09/2026	01:37 PM	INPATIENT	—	
☐ ADM-00249	MRN-092	34	Nguyễn Ngọc Ngà	28/08/2026	03:46 PM	INPATIENT	—	
☐ ADM-12032	MRN-099	39	Trần Ngọc Nhi	28/08/2026	03:41 PM	INPATIENT	—	

>>

Rows per page: 10 1 - 10 of 64

< 1 2 3 ... 7 >

Admission List – Inpatient Record Management

Wearable List – Wearable Device Management

3.1 Wearable List Centrally manages wearable devices by usage status, allocation, and connectivity. — Device ID, Patient, Department, and Location. — Battery, Connectivity, and connected Hub. — Tracks In Stock, Allocated, In Use, and other operational statuses. — Supports management of devices ready for allocation and devices requiring action.

RAINSCALES

LifeLine > Device

English0_BV_FOR_QCnhson2admin lifelineNH

MAIN MENU

WearableHub

All

Search by device ID, MAC, serial, patient...

Filter

Hide Summary

+ Add

New detected43

Total Wearables111

Allocated38
In use 31

Ready to allocate73

Needs action31
Devices need charging/replacement

	DEVICE ID	PATIENT	DEPARTMENT	LOCATION	BATTERY	CONNECTIVITY	HUB CONNECT	STATUS	LAST UPDATE	MAC ADD	ACTIONS
☐	4300020281	Đỗ Bảo Lâm ADM-00084	Ngoại khoa tầng 5	- / -	10%	Offline	4310003	In use	10/08/2026 09:21 AM	AA:43:00:	
☐	4300020190	Phan Gia Hào ADM-00059	Ngoại khoa tầng 5	- / -	24%	Offline	4310003	In use	07/08/2026 11:19 AM	AA:43:00:	
☐	4300020118	Trần Minh Ngọc ADM-00067	Ngoại khoa tầng 5	- / -	70%	Offline	4310003	In use	07/08/2026 11:19 AM	AA:43:00:	
☐	4300020154	-	Ngoại khoa tầng 5	- / -	60%	Offline	4310003	Allocated	07/08/2026 11:19 AM	AA:43:00:	
☐	4300020127	Nguyễn Bảo Ngọc ADM-00063	Ngoại khoa tầng 5	- / -	87%	Offline	4310003	In use	07/08/2026 05:27 P...	AA:43:00:	
☐	4300020001	Trần Thị Ngọc ADM-00064	Ngoại khoa tầng 5	- / -	49%	Offline	4310003	In use	07/08/2026 11:19 AM	AA:43:00:	
☐	4300020158	Phan Hoàng Gia ADM-00065	Ngoại khoa tầng 5	- / -	77%	Offline	4310003	In use	07/08/2026 11:19 AM	AA:43:00:	
☐	4300020039	Nguyễn Nam ADM-00066	Ngoại khoa tầng 5	- / -	58%	Offline	4310003	In use	07/08/2026 11:19 AM	AA:43:00:	
☐	4300020196	-	Ngoại khoa tầng 5	- / -	91%	Offline	4310003	Allocated	07/08/2026 11:19 AM	AA:43:00:	

>>

Rows per page: 101 - 10 of 27

<123>

Wearable List – Wearable Device Management

Hub List – Hub Connectivity Management

3.2 Hub List Manages Hubs that receive data from Wearables and transmit it to LifeLine. — Hub Code and MAC Address. — Department / Location. — Connectivity: Online / Offline. — Activity and Last Update to support operations and connectivity checks.

RAINSCALES

LifeLine > Device

English

0_BV_FOR_QC

nhson2
admin lifeline

NH

MAIN MENU

Staff

Departments

Locations

Patients

LifeLine

Wearable

Hub

Search by hub code, hub name, MAC, serial, IP, model, department or location

Filter

Hide Summary

Refresh

+ Add

New detected 4

Total Hubs
27

Active
18
Online 3 - Offline 15

Inactive
9

☐	HUB CODE	MAC ADDRESS	DEPARTMENT	LOCATION	CONNECTIVITY	ACTIVITY	LAST UPDATE	ACTIONS
☐	HUB-1112222	EE:33:CB:D6:29:F6	ICU 02	Room 2	Online	Enabled	08/09/2026 15:02	 
☐	HUB-4441113333	12:31:21:52:15:77	-	-	Offline	Enabled	-	 
☐	HUB-430004	43:BB:C0:DD:E0:04	ICU	Room 3	Online	Paused	08/09/2026 15:02	 
☐	HUB-4310001	43:BB:C0:DD:E1:01	-	-	Offline	Enabled	21/08/2026 08:55	 
☐	HUB-4310033	43:33:C0:33:E1:01	ICU	Room 4	Online	Enabled	08/09/2026 15:02	 
☐	HUB-445454545	43:12:C0:0P:E0:05	Ngoại khoa tầng 5	-	Offline	Enabled	25/06/2026 13:25	 
☐	HUB-441221112	33:33:33:33:33:33	ICU	Room 5	Online	Enabled	08/09/2026 15:03	 
☐	HUB-43440001	43:44:00:01:E1:01	-	-	Offline	Enabled	01/07/2026 13:47	 
☐	HUB-567834	EN:C3:F4:3F:AA:C1	Cardiology	-	Offline	Enabled	09/07/2026 17:27	 
☐	HUB-43440003	45:55:00:01:E3:03	Cardiology	-	Offline	Enabled	16/07/2026 13:56	 
☐	HUB-43440004	46:56:00:01:E4:04	Ngoại khoa tầng 5	-	Offline	Paused	16/07/2026 13:59	 

Rows per page: 25

1 - 25 of 27

< 1 2 >

Hub List – Hub Connectivity Management

Alert Rules – Default Alert Rules

4.1 Alert Rules Defines the system's default alert rules based on metric type, condition, and severity. — Alert Type and Metric / Operator. — Threshold and Severity. — Cooldown, Auto-resolve, and Status. — Provides the foundation for LifeLine to automatically detect situations that require alerts.

RAIN SCALES

LifeLine > Alert Rules

English0_BV_FOR_QCnhson2admin lifelineNH

MAIN MENU

StaffDepartmentsLocationsPatientsLifeLine

Search alert type or metric...

RefreshAdd

ALERT TYPE	METRIC & OPERATOR	THRESHOLD	SEVERITY	COOLDOWN (S)	AUTO-RESOLVE	STATUS	ACTION
BATTERY_LOW	DEVICE LT	20 %	CRITICAL	300	Yes	Active	 
DEVICE_OFFLINE	DEVICE GTE	3 minutes	WARNING	300	Yes	Active	 
HR_HIGH	HR GT	120 bpm	CRITICAL	300	No	Active	 
HR_HIGH	HR GT	120 bpm	WARNING	300	Yes	Active	 
HR_LOW	HR LT	50 bpm	CRITICAL	300	No	Active	 
NO_DATA_RECEIVED	DEVICE GT	5 minutes	CRITICAL	300	No	Active	 
SPO2_LOW	SPO2 LT	95 %	CRITICAL	300	No	Active	 
TEMP_HIGH	TEMP GT	37.5 °C	CRITICAL	300	No	Active	 

>>

Rows per page: 10 1 - 8 of 8

< 1 >

Alert Rules – Default Alert Rules

Alert Config – Patient-specific Alert Configuration

4.2 Alert Config Allows thresholds to be configured for individual patients to support personalized monitoring needs. — Configure HR, SpO2, Temperature, and Device Offline alerts. — Tracks the Active / Inactive status of each configuration. — Supports threshold adjustments based on patient condition and monitoring instructions.

RAINSCALES

LifeLine > Alert Config

English

0_BV_FOR_QC

nhson2
admin lifeline

NH

MAIN MENU

Staff

Departments

Locations

Patients

LifeLine

Search by name or code...

Refresh

Add new

Total Configs
3

Active
3

Inactive
0

PATIENT CODE	PATIENT NAME	HR	SPO2 MIN	TEMP MAX	DEVICE OFF (MIN)	COOLDOWN	WEBHOOK	STATUS	ACTION
MRN-097	Phan Hoàng Lan	50 – 120 bpm	90%	38°C	—	300s	—	Active	
MRN-093	Trần Hoàng Nhi	60 – 120 bpm	90%	39°C	—	300s	—	Active	
MRN-092	Nguyễn Ngọc Nga	60 – 90 bpm	80%	36°C	—	300s	—	Active	

>>

Rows per page: 10 1 - 3 of 3

< 1 >

Alert Config – Patient-specific Alert Configuration



Review the workflow with Rainscales

Use this guide to structure a review with clinical, operational, privacy, security, and regulatory stakeholders.