D SOFA Display Survey



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Survey for integrating and designing the SOFA Score

Dear online survey participants.

Welcome to this survey for my Master Thesis about implementing a data pipeline using different data sources, processing it and returning a predictive score, here SOFA, for ICUs. The goal is to interoperable integrate it into any IT hospital environments. This survey aims to find the best ways to encode and display the score in an ICU Dashboard. You will be shown various dashobards and I would appreciate if you could answer my short questionnaire about them. The estimated time requires about 20-30 minutes.

Participation is voluntary. Your anonymity during the survey is guaranteed. The evaluation of the data will be carried out in compliance with data protection law by the team of BeST. There will be no personal tracing of participation in the survey. Your entered data will only be used for the purpose stated above. In order to continue with the questionnaire, you must confirm that you have understood the privacy policy and agree to it by clicking the small box at the bottom of this page.

Thank you for your cooperation!

Margaux Gatrio

There are 17 questions in this survey

This survey is anonymous

The record of your survey responses does not contain any identifying information about you, unless a specific survey question explicitly asked for it

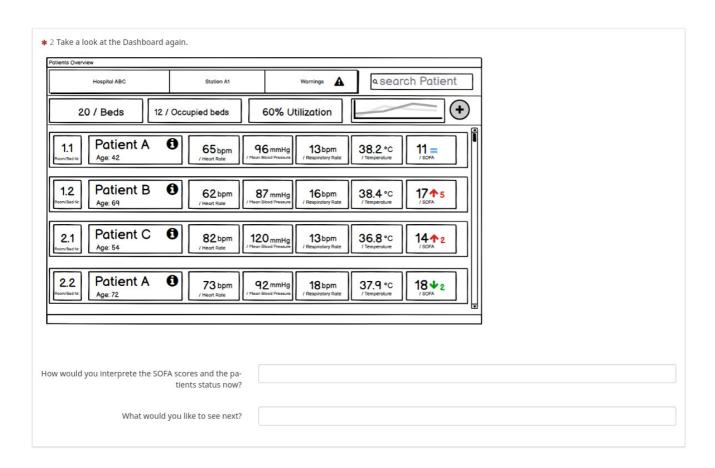
If you used an identifying token to access this survey, please rest assured that this token will not be stored together with your responses. It is managed in a separate database and will only be updated to indicate whether you did (or did not) complete this survey. There is no way of matching identification tokens with survey responses.

To continue please first accept our survey data policy.

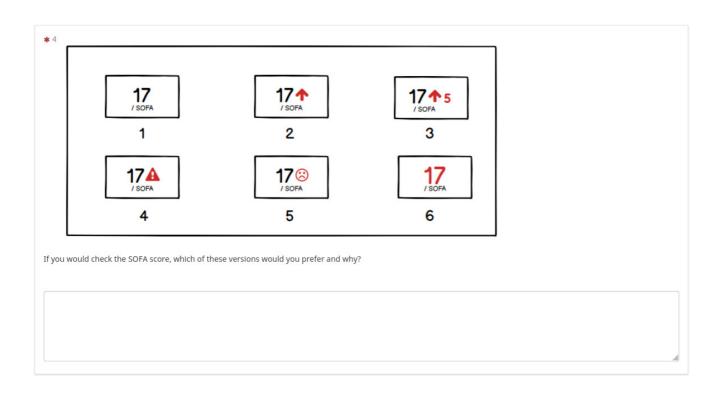
Show policy

Next

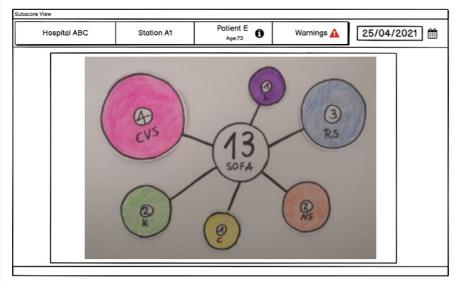
It is evening and you want to ch	eck on you patients at your I	CU station. Therefore	e, you take a look at this Pa	atients Overview Dashboard.
Hospital ABC	Station A1	Warnings A	asearch Patier	nt
20 / Beds 12 /	Occupied beds 60°	% Utilization		①
1.1 Patient A Age: 42	65 bpm / Heart Rate Alean Blood Po	mHg 13 bpm / Respiratory Rate	38.2 °C / Temperoture 11 / SOFA	
1.2 Patient B Age: 69	62 bpm 87 mm / Heart Rate	mHg 16bpm / Respiratory Rate	38.4 °C / Temperoture / SOFA	
2.1 Patient C Age: 54	82 bpm / Heart Rate 120 mi	mHg 13bpm / Respiratory Rate	36.8 °C /Temperature 14	
2.2 Patient A Age: 72	73 bpm 92 m	mHg / Respiratory Rate	37.9 °C / Temperoture 18 / SOFA	
at are the first three things that v	vou notice?			
active the instance amigs that	od Hotice.			



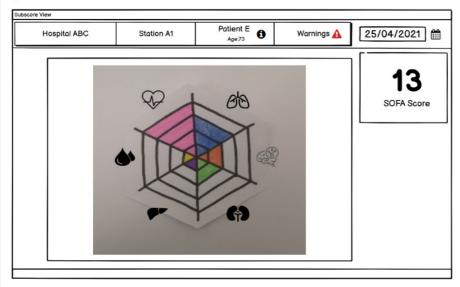
Patients Overview			
Hospital ABC	Station A1	Warnings A	a search Patient
1.1 Patient A Age: 42 65 bpm 7 Heart Rate 7 Heart Rate 7 Heart Rate 13 bpm 7 Hemperature 7 Respiratory Rate 7 Norepineph 7 Norepin	Jug/min	Glucose Blood Pressure	SOFA May 10, 2020 - July 15, 20 SOFA SOFA SOFA June 20 June 25 June 30 July 05 July 15
1.2 Patient B Age: 69 87 bph 150 pm 150 pm 160 pm	Jagrain Page	Glucose Blood Pressure	May 10, 2020 - July 15, 20 SOFA **SOFA** **S
hat information would you gather from	this dash- board?		
What do you like about	this view?		
What do you	ou not like?		



 \bigstar 5 Take a look on these two charts showing a patients SOFA score.



(1)



(2)

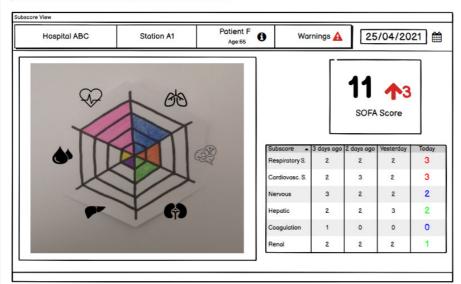
Which one would find more helpful and why?

• Choose one of the following answers

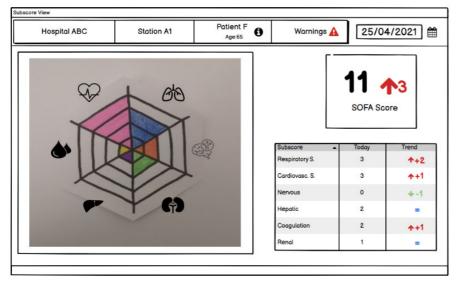
O 1)

O 2)

* 6 Take a look on these dashboards with additional tables.



(1)



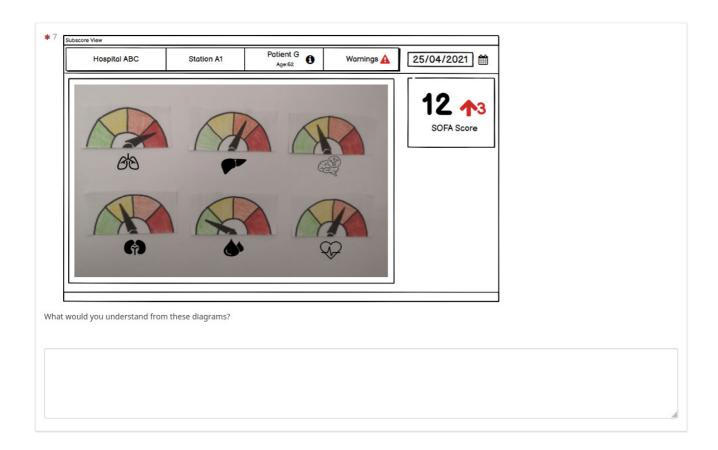
(2)
Which of these versions would you prefer and why?

• Choose one of the following answers

Choose one of the following drist

(1)(2)

Please enter your comment here:



* 8 Lets say you just checked one of the previous charts on a patients SOFA scores and the score has alarmingly increased since yesterday. What would would like to che next?	ck
	lis

* 9 Imagen you were looking on a higher SOFA Score and you had clicked on it to understand the SOFA Subscores. Assuming that was your intention and you would see this dashboard.

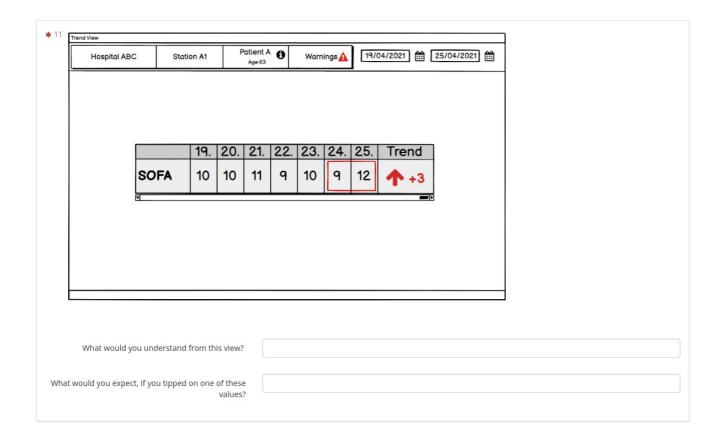
Hospital ABC Station A1		A1	Patient A Age:63	Warnings A 25	5/04/2021
Scoring		Score	Pa	rameter	Value
SOFA		17			
Respirato	ry	4 12		FiO2 (mmHg) cally Ventilated	420 Yes
Cardiovasc	ular	4 🛧	Dopamir	ne (µg/kg/min)	18
Nervous		2 1	Glasgo	w coma scale	11
Hepatic		2 =	Biliru	bin (mg/dl)	3.4
Coagulatio	on	2 1	Platel	etsx10^3/μΙ	82
Renal		3 12	Creatinine	(mg/dl) (µmol/L)	3.9

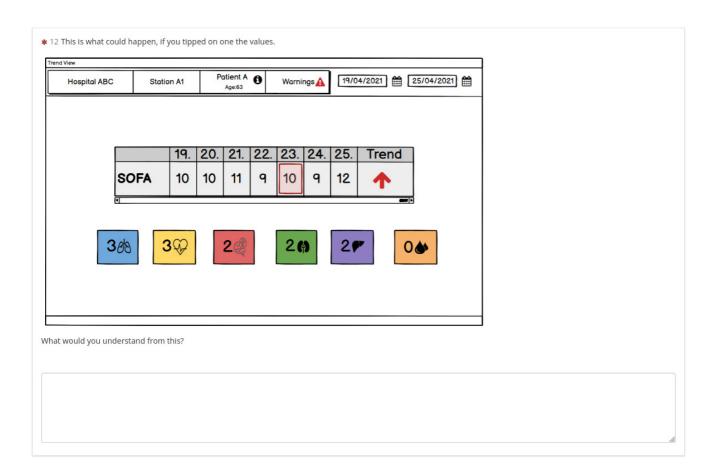
What you gather from this view?	
Would that answer your expectation on the subscore information or would you need more?	
What else would you have wanted to see after clicking the SOFA Score?	

 $\color{red} \bigstar$ 10 The view includes now a button that would lead you to a view with the recommended guidelines.

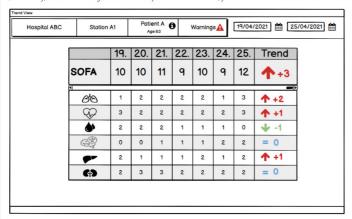
Hospital ABC Station A1		Patient B Age:69	Warnings A SOFA Guidelines 25	5/04/2021	
	S	coring	Score	Parameter	Value
		SOFA	17		
	Res	spiratory	4 12	PaO2/FiO2 (mmHg) Mechanically Ventilated	420 Yes
	Cardi	iovascular	4 🛧 1	Dopamine (μg/kg/min)	18
	N	ervous	2 🛂	Glasgow coma scale	11
	н	epatic	2 =	Bilirubin (mg/dl)	3.4
	Coa	gulation	2 1	Platelets×10^3/μl	82
	F	Renal	3 12	Creatinine (mg/dl) (µmol/L)	3.9

Under which circumstances would you consult these guidelines?

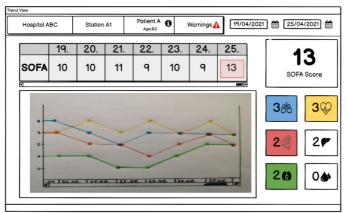




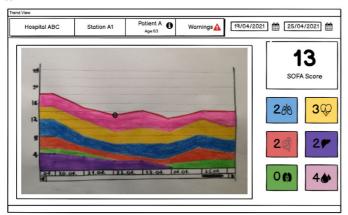
* 13 Lets say, instead of showing the subscores for just one of these values, you would like to see the subscores for all of them.



(1)



(2)

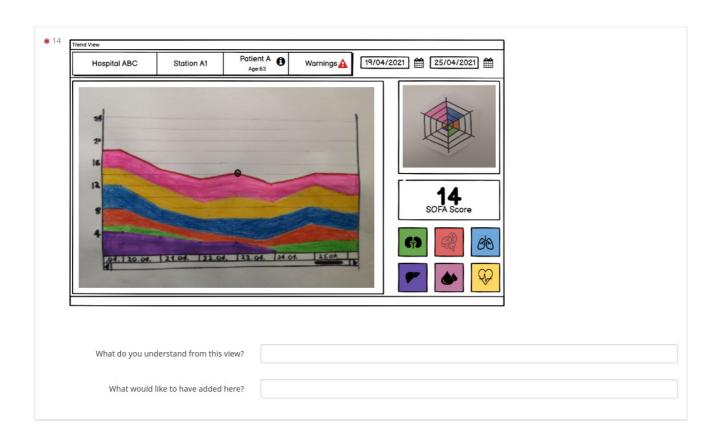


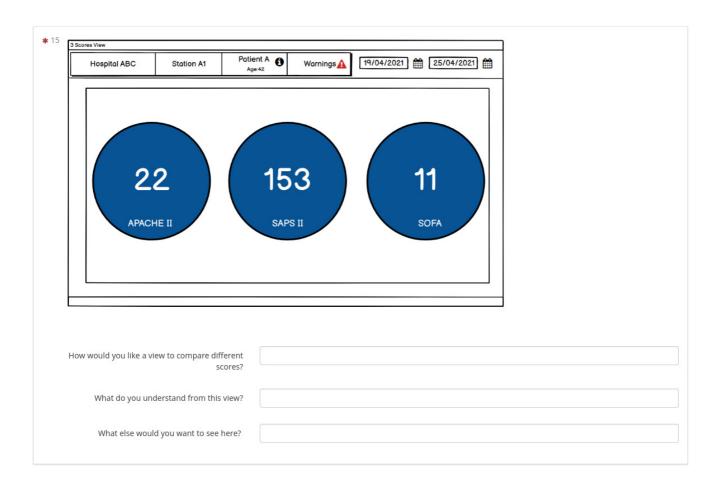
(3)

Comparing these three views, which one would you use under which clcumstances and why? (Note: The button on the right side of the 2. and 3. view can be used to enable and disable subscore lines in the trend chart)

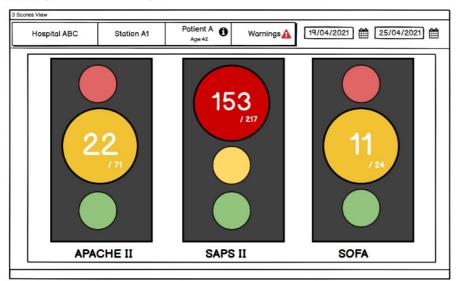
 $\ensuremath{\boldsymbol{\Theta}}$ Choose one of the following answers

(n)	Please enter your comment here:
(2)	
(3)	
	A





* 16 Here you can see two other examples.



(1)



(2)

Which one would you use and why?

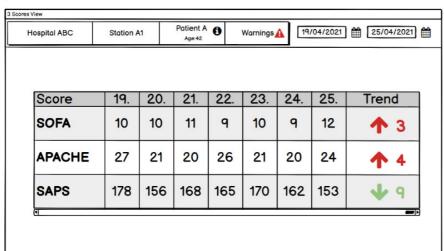
 $\ensuremath{\boldsymbol{\theta}}$ Choose one of the following answers

O (1)

O (2)

Please enter your comment here:							

* 17 How about these two views.



(1)



(2)

Which one would use when and why?

• Choose one of the following answers

O (1)

O (2)

Please enter your	comment here:
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