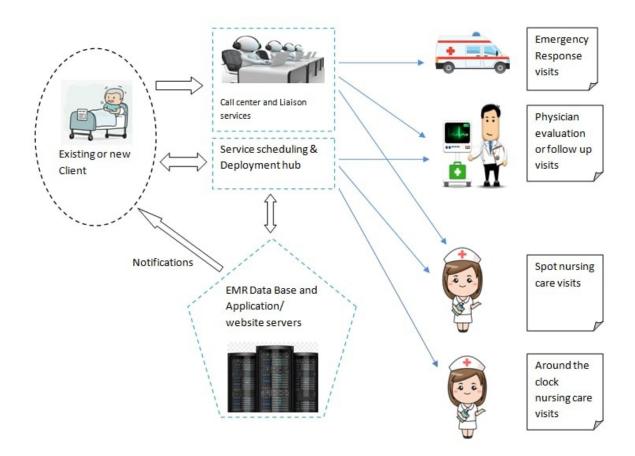


The plat form will need to have 3 main interfaces or front ends backed by a electronic medical recording database backing it and also an evolving decision algorithm that will be developed in phased approach.

The process flowchart bellow describes the very basics of interaction between the different pieces of the puzzle that need to work together to affect a continuous seems less service.

Fig 1: Plat form flow chart



The Front end

The three parts that are used to interact with the data base will be:

- Client interface
- Care provider interface
- Health care administrator interface

Client interface

The client interface will be the access point for the health care consumer which will be primarily experienced through an android or IOS application. This interface needs to also be used to some limited capabilities through our website that will be able to reach out for service.

The client interface shall be capable of but not limited to the following tasks for new customers:

- Input of basic Socio-demographic data by the client
- Input basic health information by the client in a yes or no format
- Allow client to browse the different forms of service that are provided
- Allow client to submit for an appointment or a specific service
- Allow client to easily accesses the emergency call centre and the scheduling and deployment hub

Once the patient has signed up to the application and basic information is put in and the patient had been visited by one of the health care providers, a treatment plan is designed. The client interface needs to be able to provide the curated health information that is now enriched after the health care providers input with the put forth treatment plan. So the client interface with an existing client needs to be able to:

- Provide readily accessible medical records and health statues to the client as put forth by the health care provider
- Provide the treatment plan that has been designed for the patient
- Provide health promotion advices and customized healthy living tips
- Provide a follow-up schedules and notifications of the upcoming visits before hand

Health care provider

The interface for the health care professionals is amid at providing easy way to perform one paramount task i.e patient medical recording. In this aspect there is a give and take in regards of ease of use, quality assurance and standardization of care.

Therefore, in that regard the frame for this interface needs to Qazi- structured, meaning the part of the interface where History of current illness is documented could be in a free hand format however physical findings need to structured and more over the final assessment need to be able to be through the standardized ICD-10 diseases classification code.

There also needs to be a capability for a more structured nursing care need evaluation assessment which will be completely structured in a check box format.

The treatment plan then can also follow a mixed way about getting the fix across; where the pharmacologic parts need to structured, the health promotion more free hand and the scheduling structured.

The plat form can also have a decision aid that will start out by no more than 10 algorithms' that are aimed at not missing major life-threatening diagnosis and also providing a structure follow up and evaluation scheme for predictable services such as ANC.

An additional second page might be scripted in to full fill needs for additional noted directions and consultation requests.

Fig2: Diagrammatic mock representation of the HCP interface

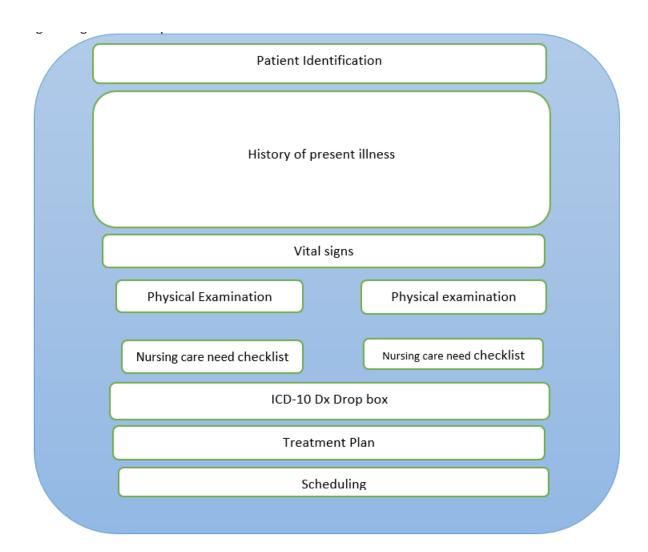


Fig 3: Sample format of an intake nursing checklist

INOVA HOME						
INOVA HOME	CARE	NURSING VISIT	RECORD			-
		□ N/A	VITAL SIGNS Temp_	Ora		Axillary
HOMEBOUND Yes (Patient is homebound)	shound Non-Ambulatory	Resp Rate	Labore		□ No
HOMEBOUND Yes (Patient is nomebourle) Patient is Bedbound Wheelchair bound Chairbound Non-Ambulatory			Apical Pulse	Reg		rregular
Patient is Bedoome Medical Bedoome Bedoome Bedoom B			Radial Pulse	Reg	Direct Contract Contr	rregular
Patient is NWB PWB & requires the assistance ofto ambulate			B/P Sitting	Standing_	[Lying
Patient is unable to negotiate stairs due to			WI	□ N/A		_
Patient has Weakness SOB with ambulation of			D	since last visit_		□ N/A
Patient has severe disabling	pain in		MD /HOSPITAL VISIT	SINCE LAST NO	IRSING VISI	T Yes U
Temporarily ordered homebound due to			Date	Reason		
Other			Date		or hilstorally	
NEUROLOGICAL/SENSORY Oriented to person/place/time			RESPIRATORY	Lungs Cl		
Hearing Impaired Speech Impaired Visually Impaired			Crackles	☐ I Breath		
Confused Ag		c Tremors	Rhonchi	Cough _		
Hx Seizures 0th		☐ No deficit	Wheezes	☐ Dyspnea		
Circle PAIN level 0 1		7 8 9 10	Orthopnea	Other		
no pain	med pain		ir 02 Sat	02 at	Lmin p	er
			No Deficit	Comments		
ocation/quality/freq/duration				-		
Comment/Pain control						
ARDIOVASCULAR	ENDOCRINE	MUSCULOSKELETAL	MEDICATIONS			
Chest pain	Hx Diabetes	Galt unsteady	No New (N)/Changed	New (N)/Changed (C) medications since last nursing visit		
	S this visit	Poor balance	N/C medication (dose,	C medication (dose, frequency, route) (Update Medication Profile)		
Murmur	T v as una van	Weakness				
Dizziness	The sign of his country	Limited ROM	1 1			
Edema	No S/S 11 bl sugar	Other				
Neck vein distention	Assess BS Log	No Deficit	Response to N/C medic	ations		
Pacemaker		Comments	response to recommon			
Other		Comments				
No Deficit			Side Effects N/C medica	itions		
Comments			Side Circuis (Constitution)			
	No deficit					
			URINARY		(Circle) Fol	ey/Suprapubic
SASTROINTESTINAL/NUTF			Incontinent		Draining	Yes No
Bowel Sounds Present	Diet	D D D.			Urine QS	Yes No
] N/V	Appetite	Good Fair Poor	Distention		Urine	☐ Clear
Diarrhea Constipu		Good Fair Poor		The same of	Cloudy	Amber
Last BM		Good Fair Poor	Fréquency		Yellow	Hematuria
NPO NPO		en Yes No	Other No GU Deficit	Comments	- Itelion	LI ridinatura
Tube Feeding/Type/Amoun			L NO GO DENOR	Comment		
The second of		Tacky Dry				
Ostomy	_ Other _	delling Advantion Deficit				
Comments		utrition/Hydration Deficit		Wound /84	sasure once a	wask)
	SKIN/WOUNDS	Wound (Measure once a Location	week)	Location (Me	assure once s	· moon)
9 (1) (1	Warm and dry		D	L V	/	D
to be the train	No Deficit	Control of the Contro		Appearance	_	
	Cool/Clammy	Appearance of base		☐ Tunneling/	CONTRACTOR AND ADDRESS.	
11 - 11 - 11 - 11	☐ Flushed	☐ Tunneling/Undermining		- runneing/	unuenning	
5 - MAN - 8	☐ Jaundiced	Designation Control	Пи.	Drainage	D v	□ No.
	Rash (describe)	Drainage Yes	□ No		Yes	□ No
731 11 771	Other (describe)	Color/Amount		Color/Amour	"	
131 11 11 11		Odor		Odor	skin	
5525 00	Comments	Surrounding skin		Surrounding	anii	12 11 11
	Comments					
		HHA SUPERVISION AN	D SAFETY	National States		WEST COLUMN
Patient/Caregiver satisfied v	ith care and rapport is good	☐ Aide service	e still needed	Aide is prov	iding care per	485 #21
LPN is following plan of trea		LPN service	es still needed for skilled as:	sessment		
SN/Aide services will be incr						
Signature i	and Title	Time In	Time Out		Date	

The Health care Admin Interface

This page will primarily be used by the service scheduling and deployment hub team members to see the number of individuals in the service the upcoming need for care in the coming day, weeks or month and thus scheduling the appropriate human and material resources are in play to stratify this.

This can be achieved on the skeleton of a generic EMR system with hospital management capabilities.

The system among other things needs to have

- A finance tracking and payment system
- Human resource scheduling platform
- Patient Calendar and appointment book platform
- Consumable resource tracking and notification system