

DISRUPTING HEALTH CARE and DIGITAL DIVIDE TRANSFORMING LIVES







History of Project SHINE



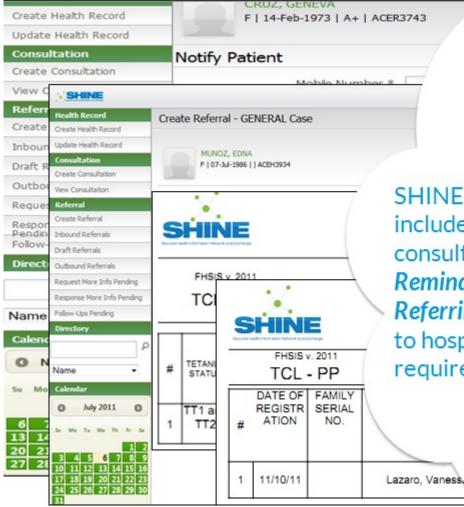
SHINE (Secured Health Information Network and Exchange) was deployed in 2011 to city health centers, rural health units, district hospitals, and tertiary referral hospitals in Iloilo, Cebu and Quezon City.

Its primary function is to record/capture patient data from health centers or workers. Data input occurs when patients come in and request for consultation. Health workers record data by inputting patient details into a form using a computer or a mobile phone.

SHINE			
Health Record Create Health Record	Create New Health Record		
Update Health Record			
Consultation	Record Status	Enabled -	
Create Consultation			
Wew Consultation	Life Status	Alive -	
Referral			
Create Referral	-		
Inbound Referrals	Patient Information		
Draft Referrals			
Outbound Refemale	Family Folder Number		
Request More Info Pending	1.		
Response More Info Pending	Title		
Follow-Lips Pending		1	
Directory	Last Name *		
م	First Name *		
Name •	Middle Name *		



History of Project SHINE



SHINE's best features, more known as the 4 Rs, include: *Recording* patient information with consultation and diagnosis capabilities, *Reminding* patients of their next appointments, *Referring* patients to specialists, for laboratory or to hospitals, and lastly, producing *Reports* required by the DOH.





Partners and recognition

- SHINE (Secured Health Information Network Exchange), a SMART initiative in close coordination with the Department of Health (DOH) and Philippine Health Insurance Corporation (PHIC), has been deployed over 15 cities and municipalities since 2010 with 75,000 medical records
- The SHINE EMR has been around for a few years now, has substantial usage, and has gained recognitions both local and global.





Being MORE, Doing MORE





Being MORE and Doing MORE

With the growing dynamism of the public and private healthcare ecosystems, as well as having attained maturity in its use as an EMR, SHINE has been reshaped into...







SHINE^{os+}

Open Source Open Services Open Standards Operating System

Technology inclusive Health inclusive





OPEN SOURCE







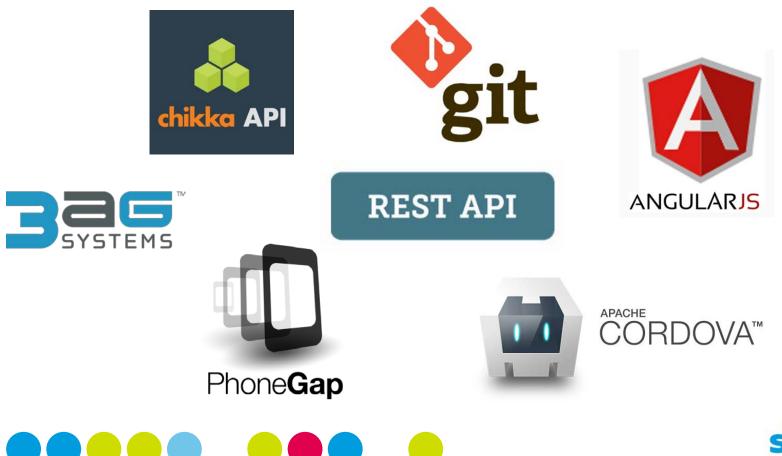








OPEN SERVICES







OPEN STANDARDS





PHILIPPINE HEALTH **INFORMATION EXCHANGE – PHIE LITE**

Philippine Health Information Exchange (PHIE) LITE - DATA DICTIONARY

For Reporting Health Facilities (Release 05 as of APRIL 21, 2015)

DOH = Department of Health | HCI = Health Care Institution | NHDD = National Health Data Dictionary | NHIP = National Health Insurance Program! NSCB = National Statistics Coordinating Board | PHIC = Philippine Philhealth Identification Number | PSA = Philippine Statistics Authority | PSGC = Philippine Standard Geographic Code | SCS = Standard Code Source

								TseKAP Requirements				A5 TseKAP Requirements
								A1 TseKAP Requirements				WHO PEN Requirements
								A2 TseKAP Requirements				PMRF for New Member A
								A3 TseKAP Requirements				
												Latest Updates - a
								A4 TseKAP Requirements				Prescibed Drugs & Media
#	A 1	A2	A3	A4	A5	FIELD NAME	DATA ELEMENT	DATA DEFINITION	CHAR TYPE	SIZE	NULL	FORMAT
								DATA DEFINITION	CHAR TYPE	SIZE		
PAT	ΊE	NT	D/	<u> </u>	ł							
9					x	Encounter_Date	Date of Encounter	Date of encounter, e.g. date of consultation, date of admission	Date	-	No	yyyy-mm-dd
10						Encounter_Time	Time of Encounter	Time of encounter, e.g. time of consultation, time of admission	Time	-	No	24 Hour Format hh:mn (DOH Admin Order # 20 0025)
11						Pat_Special_Accommodation	Special Accommodation	For a person with disability: A code identifying the patient's disability such as vision, hearing, speech, mental, and/or mobility impaired or requires a crib, crutches, gurney, wheelchair or walker	Integer	2	No	Use delimiter "," for n than one special accommodation. Exa "VI, HE, MO".
12						Pat_Special_Accommodation_Others	Special Accommodation, others specify	Specify if Pat-Special_Accommodation = "10"	Varchar	250	No	
13	x	x	x		x	Age_Years	Age in Years	Patient's Age in Years at time of encounter (Date of Consultation - Date of Birth)	Integer	3	No	
14			x		x	Age_Months	Age in Months	Patient's Age in Months at time of encounter (Date of Consultation - Date of Birth)	Integer	2	No	
15	x	x	x		x	Age_Days	Age in Days	Patient's Age in Days at time of encounter (Date of Consultation - Date of Birth)	Integer	2	No	
15	×	x	×		x		Age in Days	encounter (use of consultation - use of Birth) Patient's Age in Days at time of encounter (Date of Consultation - Date of Birth)		2		











SHINE^{os+}

Plus additional features Plus more types of users Plus different types of developers Plus different types of environments and platforms

Endless possibilities



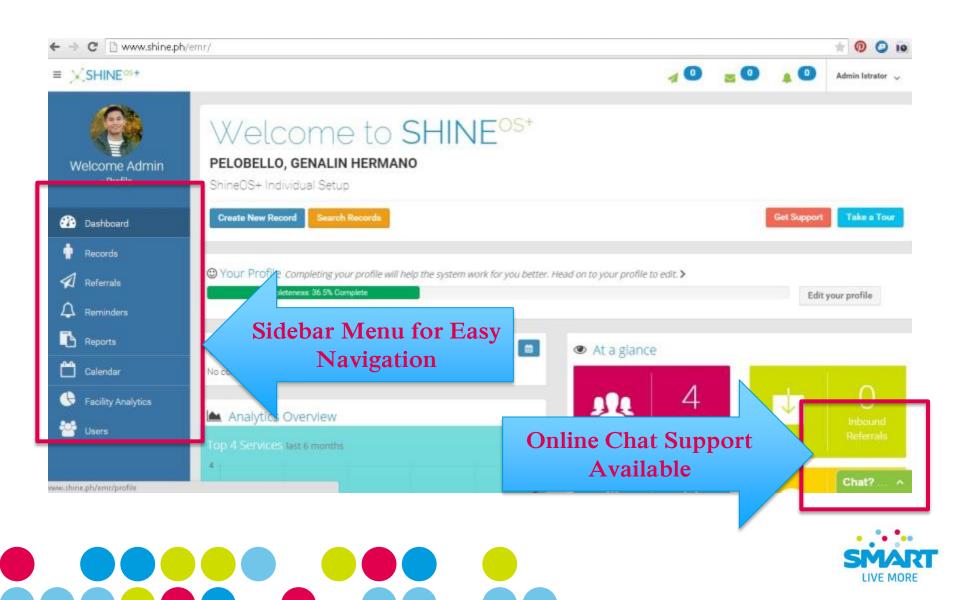


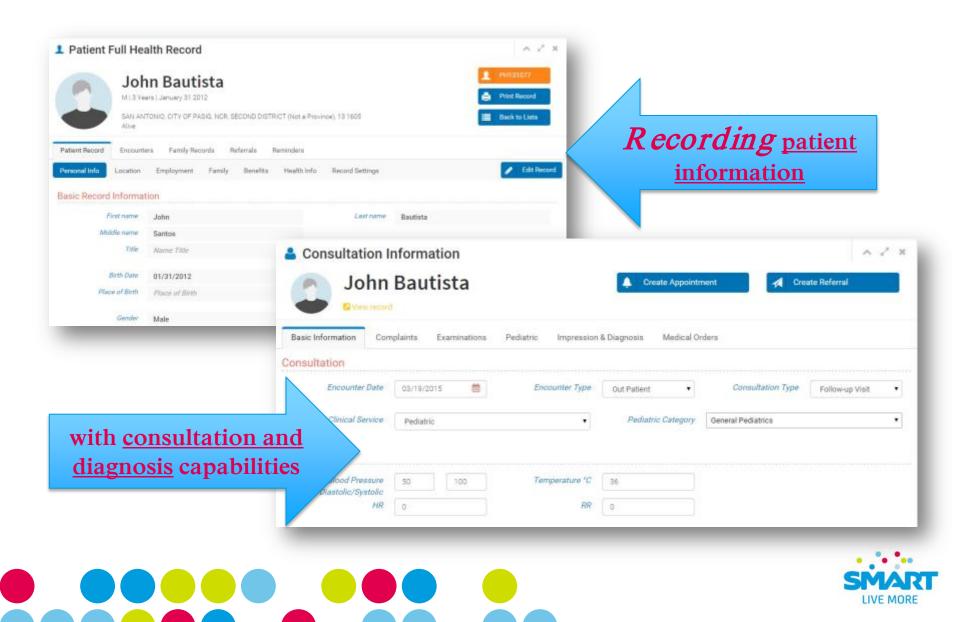


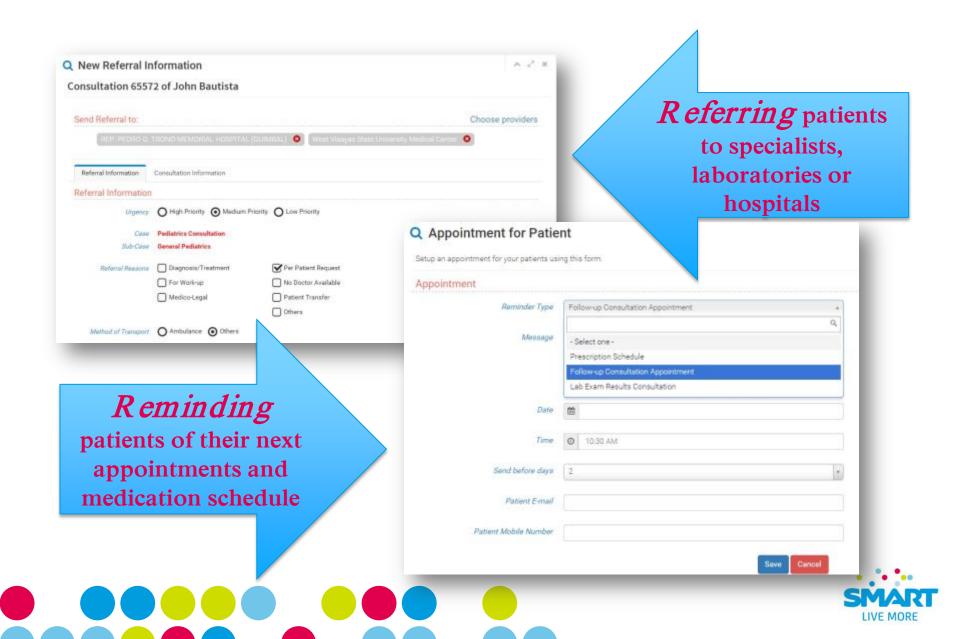
STANDARD FEATURES











Health Reports

The Health Reports section allows you create and generate reports required by government. Reporting availability requires accreditation from these government agencies. If your facility or practice is not registered and do not have an accreditation number, the reporting function will not be available to you. If you believe you are accredited and want to generate this reports, please enter your accreditation number in your Facility Profile thru your facility administrator.

» PHIE Submission

PHIE Sync Transmission

Click on the sync button to send your health data to DOH PHIE. Data that has been synced will not be sent to PHIE anymore. Only new records and those that has been modified.

Sync with PHIE (Coming soon)

generating *Reports* required by DOH and PhilHealth and syncing with the PHIE

» FHSIS Reports

DOH FHSIS Reporting

To generate your FHSIS Report by setting the date range you want and clicking on the Generate button.

Monthly Reports

© Program Report M1

3 Morbidity Report M2

Quarterly Reports

E Program Report 01

E Morbidity Report Q2

Annual Reports

I A-Brgy

I A1

» PhilHealth Reports

PhilHealth PCB1 Report

To generate your PHIC PCB1 Report by setting the period and clicking on the Generate button.

E Annex 1 E Annex 2 E Annex 3 E Annex 4 E Annex 5	Primary Care Benefit 1 (Soon!)	
E Annex 3 E Annex 4	I Annex 1	
8 Annex 4	3 Annex 2	
	3 Annex 3	
3 Annex 5	3 Annex 4	
	3 Annex 5	



Chat?

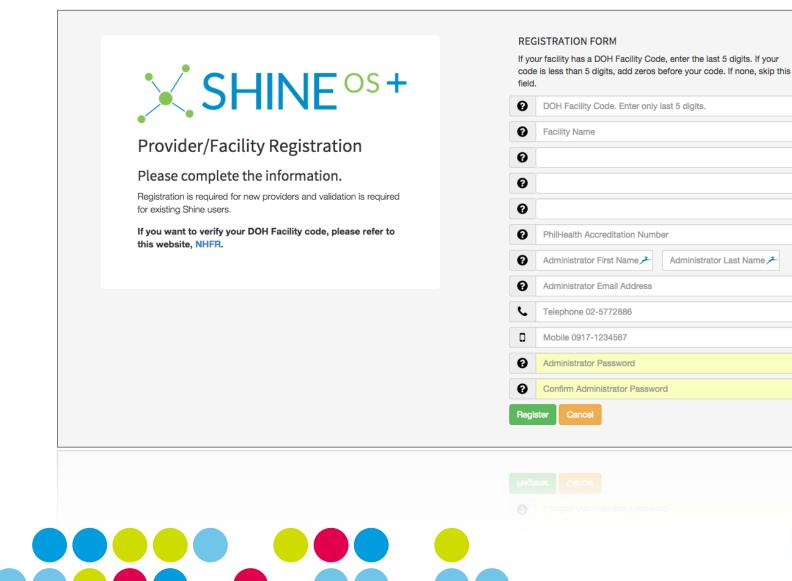


NEW FEATURES





REGISTER





7

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\$

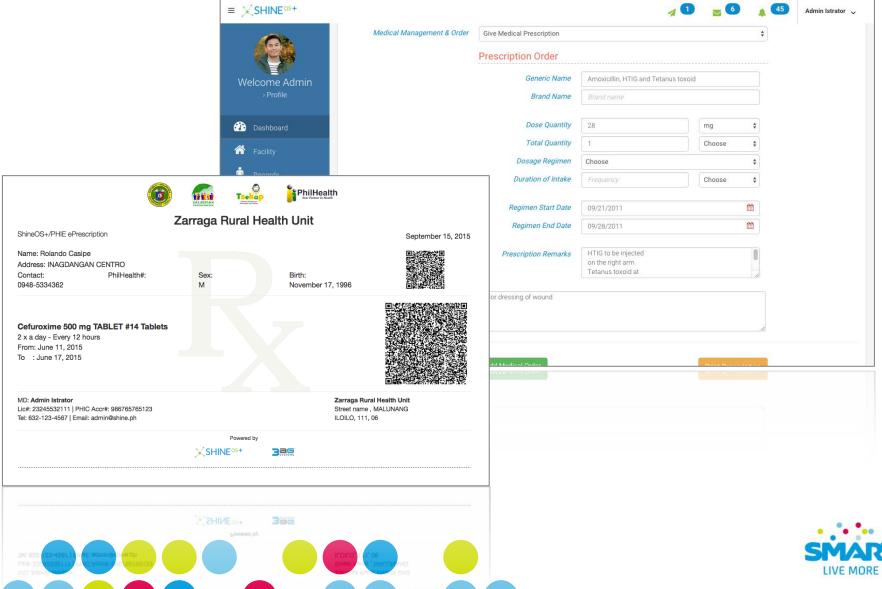
\$

7

2

7

Rx

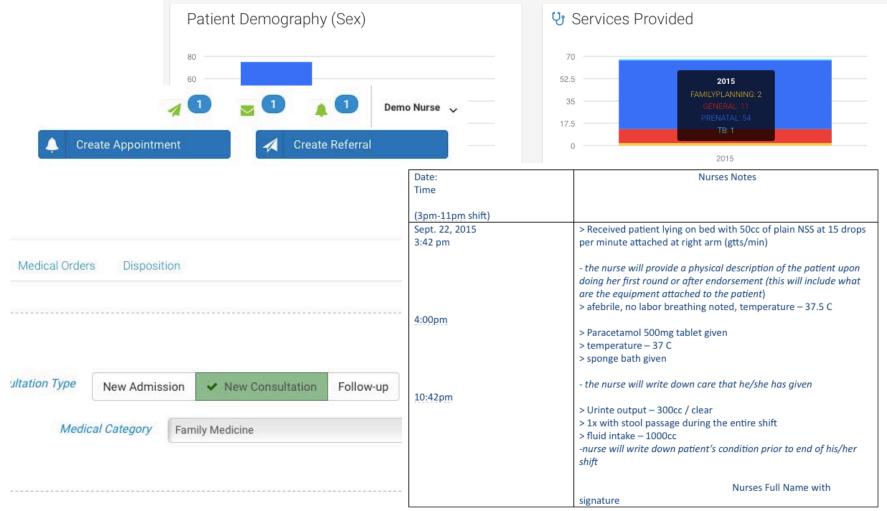




Facility Health Analytics

KN

Statistics shown below are data coming from your registered facility only. These do not represent any other aggregated data.





RESPONSE / REHABILITATION

SHINE NEPAL

Welcome to ShineOS+

ShineOS+ for Nepal

SHINE stands for Secured Health Information Network and Exchange. A web and mobile-based system that addresses the data management needs of doctors, nu midwives, and allied health professionals.

Register Learn more

	SHINE ^{os+}	
	Sign In Please login with your email/username and	
rses,	password below.	
	Username or Email	
	Password	
	□ Remember me	
1.	Sign me in	Ņ
	I forgot my password	
		(a)
-		

Facility Information Living Environments

Living Environments

Area per person for collective activities	m2 a
Shelter space per person	m2 b (4 5=5 5 m2 c in cold climates)
Distance between shelters	m minimum
Area for support services	m2/person
Number of people per water point	
Number of people per latrine	
Distance to water point	m maximum
Distance to latrine	m
Distance between water point and latrine	m
Firebreaks	m every 300 m

Disaster Surveillance

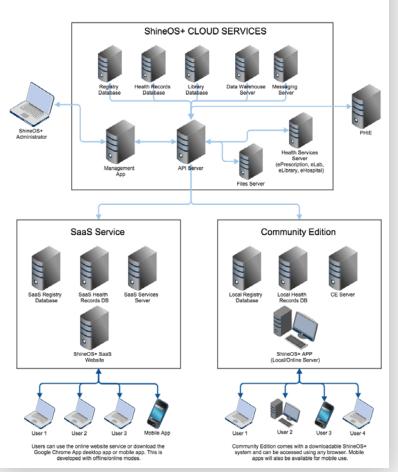
		<5 years o	Id	≥5 years o	10
*	Disease Syndrome / Health event	Cases	Deaths	Cases	Deaths
1	Fever (FEV)	0	0	0	0
2	Cough, colds or sore throat with or without fever (ARI)	0	0	0	0
3	Fever with rash (MEA)	0	0	0	0
	Fever with spontaneous bleeding (i.e. nose bleeding, gum bleeding) (AHF)	0	0	0	0
	12 months and over. sudden onset of fever (> 38° C) with severe headache and stiff neck, < 12 months: fever (> 38° C) with bulging fontanel, or refusal to suckle (MEN)	0	0	0	0
	Fever with headache, muscle pains and any of the following: eye imitation, jaundice, skin rash, scanty urination // FPI	0	0	0	0



Reuse

shineosplusv2 🗸	🖻 🎄 PatientsController.php 🔹
Q Alt + F to start searching	<pre>1 <?php namespace Modules\Patients\Http\Controllers;</pre></pre>
	2
composer.lock	3 use Pingpong\Modules\Routing\Controller;
	4 use Modules\Patients\Models\Patients; 5 use Modules\Patients\Models\PatientFamilyGroup;
contributors.txt	5 use Modules\Patients\Models\PatientFamilyGroup; 6 use Modules\Patients\Models\PatientFamilyGroupMembers;
	7 use View,
	8 Response,
gulpfile.js	9 Validator, 10 Input,
	11 Mail,
	12 Session,
▶ Calendar	13 Redirect, 14 Hash,
▶ Consultations	14 hash, 15 Auth,
	16 DB;
	17
	18 T class PatientsController extends Controller {
	<pre>20 protected \$moduleName = 'Patients';</pre>
	<pre>21 protected \$modulePath = 'Patients';</pre>
	<pre>22 protected \$viewPath = 'patients::'; 23</pre>
	23
composer.json	25 * Create a new controller instance.
	26 *
	27 * @return void 28 */
	<pre>29 public functionconstruct()</pre>
	30 🔻 {
	31 # variables to share to all view 32 View::share('moduleName', \$this->moduleName);
	33 View::share('modulePath', \$this->modulePath);
	34 }
.gitkeep	35
PatientsController.php	36 37 public function index()
	38 * {
	<pre>39 \$data = array();</pre>
	<pre>40 \$patients = Patients::all(); 41 \$patient = array();</pre>
routes.php	42 42
	43 foreach (\$patients as \$key => \$patient)
module.json	44 v { 45
	<pre>46 \$data['records'][\$key]['patientContact'] = \$patient->patientContact;</pre>
	<pre>47 \$data['records'][\$key]['familyGroups'] = \$this->getFamilyGroups(\$pat >patientfamilygroup_id);</pre>
	40
start.php	Line 1, Column 1 – 137 Lines

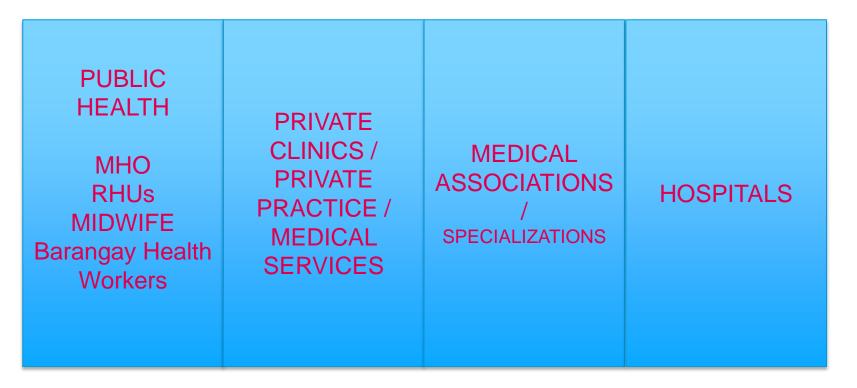
ShineOS+ Framework







NEW TYPES OF USERS

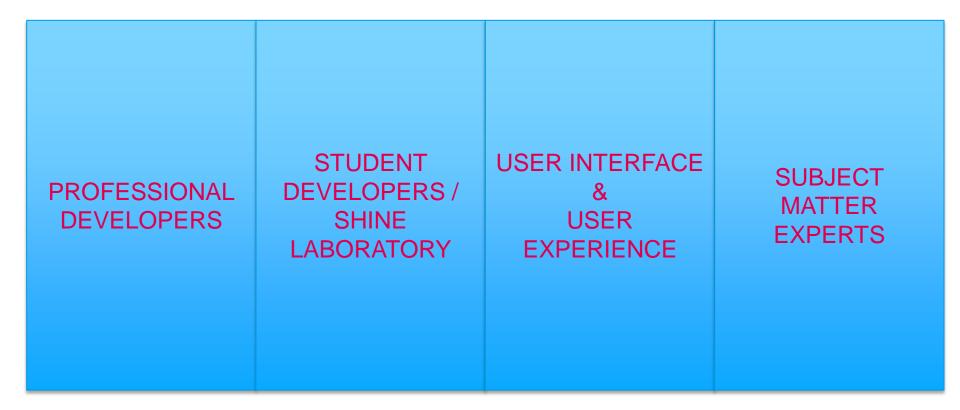








NEW TYPES OF DEVELOPERS









NEW TYPES OF PLATFORMS







The main EMR services of SHINE OS+ are currently offered in two versions.



The **Cloud-Based Service** is intended for users with minimal IT background. It is a subscriber-based version wherein users simply register into the system. Upon approval of their registration, users may then use all of SHINE's current features without worrying about server requirements. Its limitation is that it will work best in online mode; and



The **Community Edition**, which is a downloadable packaged system for individual or intranet use. Once registered, the user will be allowed to download and install the package suitable standard devices including desktops, laptops and mobile devices. This is also the offline version of SHINE OS+ so users can use the system locally even without internet connection.







Making a Difference





How SHINE OS+ Makes a Difference







• SHINE OS+ is user-communitydriven, with features tailored and enhanced based on needs and priorities of end-users

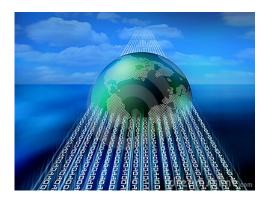
SHINE^{os+}

• SHINE OS+ opens its source code to encourage developers to build plugins, widgets and applications on top of SHINE OS+



SHINE^{os+}

- SHINE OS+ recognizes the need to be PHIC/PHIE-compliant, connecting with and complementing other EMRs
- SHINE OS+ can be customized to fit every health worker's needs
- MySHINE OS+, a personalized health record that allows patients to monitor their personal health records, allows patients to view and maintain their own health record







• SHINE OS+ can be used online as well as offline on various types of devices (desktop PC, laptop, tablet, android phone, etc.)

SHINE^{os+}

• Data entered through SHINE OS+ is stored in a cloud server so it is safe from natural disasters or theft











Training of SHINE OS+ Users in Iloilo – 16 February 2015









Training of SHINE OS+ Users in Cebu – 20 February 2015





02.20.201











Training of SHINE OS+ Users at ADMU – 30 April 2015 (eBayanihan Partners)













Training of SHINE OS+ Users in Binangonan, Rizal – 19 May 2015







Medical Mission at Bgy. Tagpos in Binangonan, Rizal – 20 May 2015

60 records 6 encoders in one hour. Average of 10 records per encoder. Rate of 6 minutes per record for newly trained Barangay Health Workers, Midwives and Nurses.

SHINE BATTALION







SHINE NEPAL











COMING SOON! SHINE OS+ BOOTCAMP!

Thank you!





