ELECTRONIC DATA REGISTRY TO HELP INFORM THE EMERGENCY DEPARTMENT ON KEY PERFORMANCE INDICATORS

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VANUATU 2ND HEALTH RESEARCH SYMPOSIUM

Holiday Inn, Port Vila 23 – 24 September 2021



INTRODUCTION

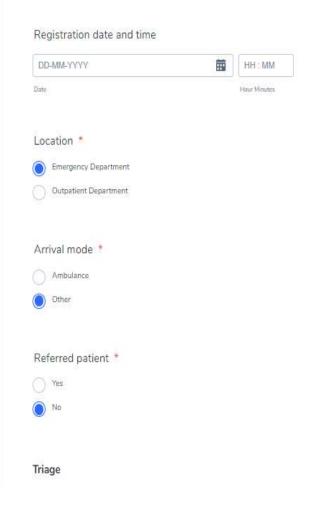
- Key Performance Indicators an essential tool to assess patient safety satisfaction
- > Provides objective information on crucial aspects of treating patients
- electronic registry system was implemented in Vila Central Emergency Department

METHODS

In 2021 an electronic data registry was implemented in which patient information including demographics, presenting complaint, timeline of stay in the Emergency Department, diagnosis and interventions performed. It also provided data on Health surveillance including communicable, non-communicable diseases and research conditions. Data

METHODS

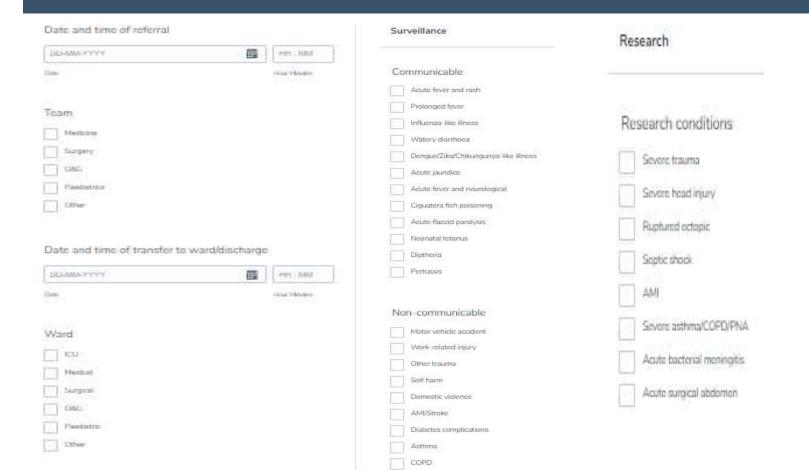
VCH Emergency Department Registry Patient details MRN Age * Gender * Male Female Other Registration





Triage date and time						Disposition		
			Treatment date and time					
DD-MM-YYYY	蘁	HH: MM	DD-MM-YYYY	繭	HH:MM	Diagnosis		
Date		Hour Minutes	Date		Hour Minutes			
						Disposition *		
Triage officer designation			Treating clinician designation			O Dicharged		
MO			МО			Occupied .		
			NO NO			C Administ		
V NO								
NA NA			NA.			Date and time of discharge		
						DD-MM-TYYT	EQ.	THY: NW
Visit type *			Investigations			Date		the House
Visit type			X-ray	Left without being seen?				
New New			Ultrasound			Tes		
Return - unscheduled			Blood tests			No		
Return - scheduled								
Medication supply only		2			Date and time of death			
			Management			DD-MMAYYYY	E	HTT: WMA
			Medication chart			Date		Hug Mades
Triage category			Tetanus immunisation					
			Sutures			Dood on arrival?		
*			Dressings			○ Yes		
2			Asthma treatment			O to		
3			Modical contribate					



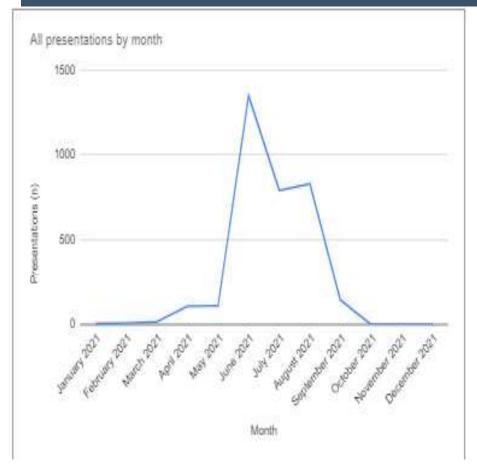


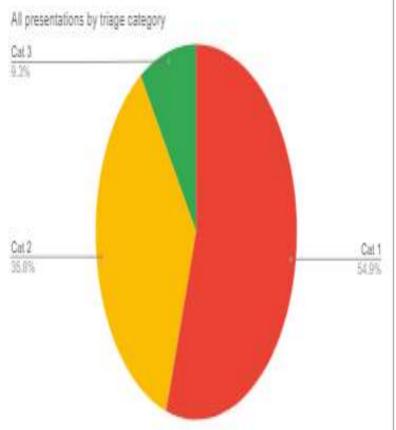


RESULTS

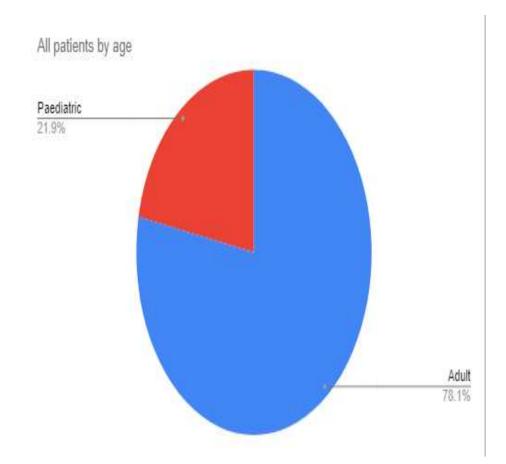
Retrospective analysis of the data registry has provided key information which we have been able to use to improve data surveillance, monitor important public health conditions, improve patient safety, and implement innovative treatment models and identify gaps in our health care delivery. By the end of our retrospective analysis of the data we aim to identify crucial health trends amongst the Vanuatu population presenting to the Emergency Department at Vila Central Hospital.

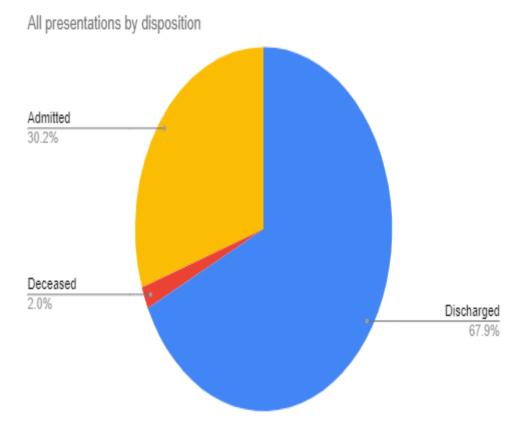
RESULTS



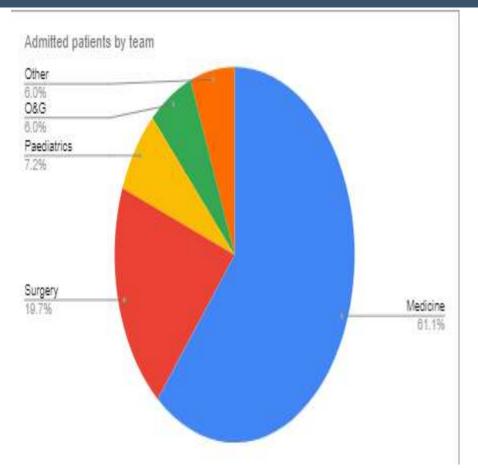


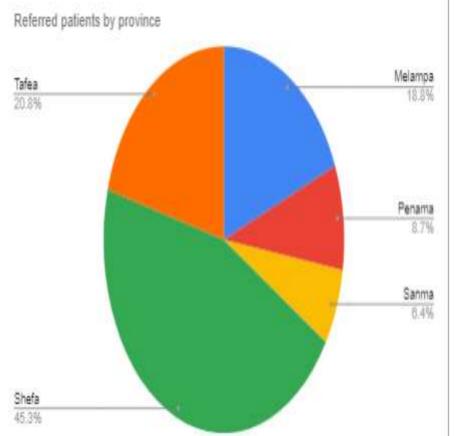




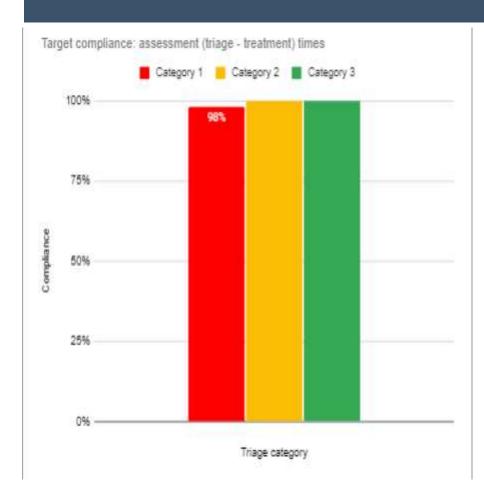












ED LOS less than 12 hours





DISCUSSION

The electronic data registry is the first of its kind in Vanuatu Emergency Departments which allows us to improve the delivery of health care to patients, identify important trends in public health conditions, evaluate our effectiveness and enable us to compare our standards to global emergency departments using objective measurements.

RECOMMENDATIONS / IMPLICATIONS

- Implement a permanent data registry
- Utilize data registry to analyze KPI annually
- Employ permanent staffs for data registry
- Use key performance indicators to monitor progress of hospital



ACKNOWLEDGEMENTS

- Australian College of Emergency Medicine
- Dr Rob Mitchell FACEM
- Dr Vincent Atua
- Dr Mim Sharkie
- Annie Manua & Mariah Ben

- Thank VNS Oganizers
- TANK YU LO YUMI EVRI WAN

