TB & Leprosy Free Majuro

WMLN Annual Conference Presentation October 8, 2019

Where?



About 26 hours and 10 minutes travel time from Madison and minus one day (International date line)

Background

The Republic of the Marshall Islands (RMI)

2,300 miles southwest of Hawaii

Kur

5 to 7 degrees north of the equator
29 coral atolls including 1,200 islands
Total land mass = 70 square miles
Population = 60,000

<u>Majuro</u>

- Capitol city of RMI
- About ½ of the population of RMI (27,000)
- 30 miles long = less than 10 square miles of land
- Elevation is 6 feet above sea level

Bikini Atoll -Baker test 1946



"This dome in the Pacific houses tons of radioactive waste – and it's leaking"



https://www.theguardian.com/world/2015/jul/03/runit-domepacific-radioactive-waste

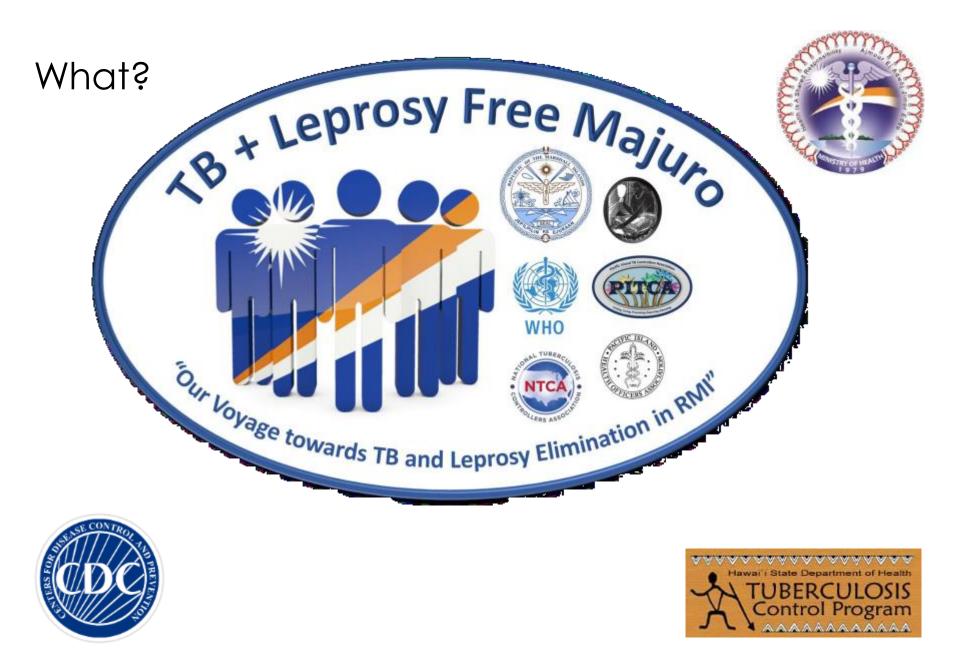
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- 1969-79: As part of the clean-up of 3 of 40 islands, 111,000 cubic yards of radioactive waste was placed under a concrete dome, including plutonium (half-life 24,000 years).
- Due to rising sea levels, cracks are now appearing in the dome and trace plutonium has been detected in Chinese rivers.

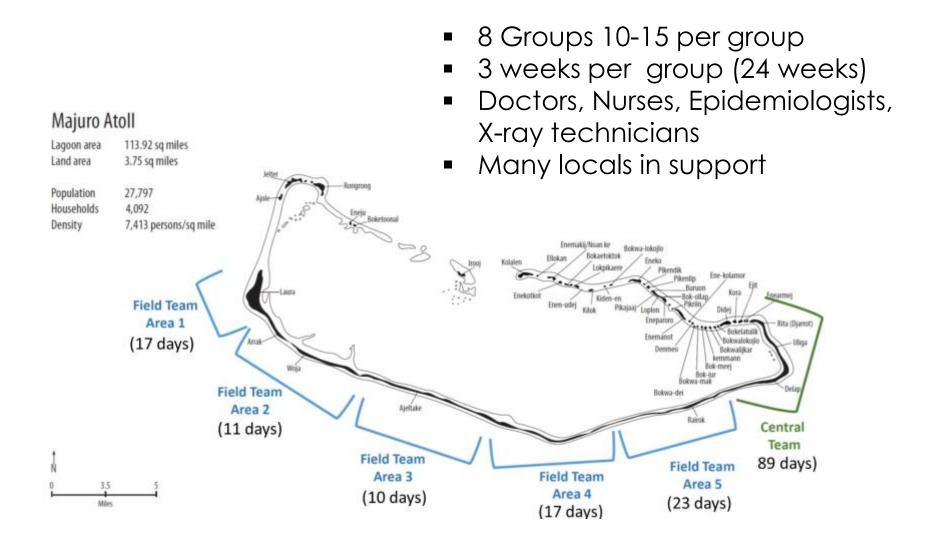
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Climate change and rising sea levels





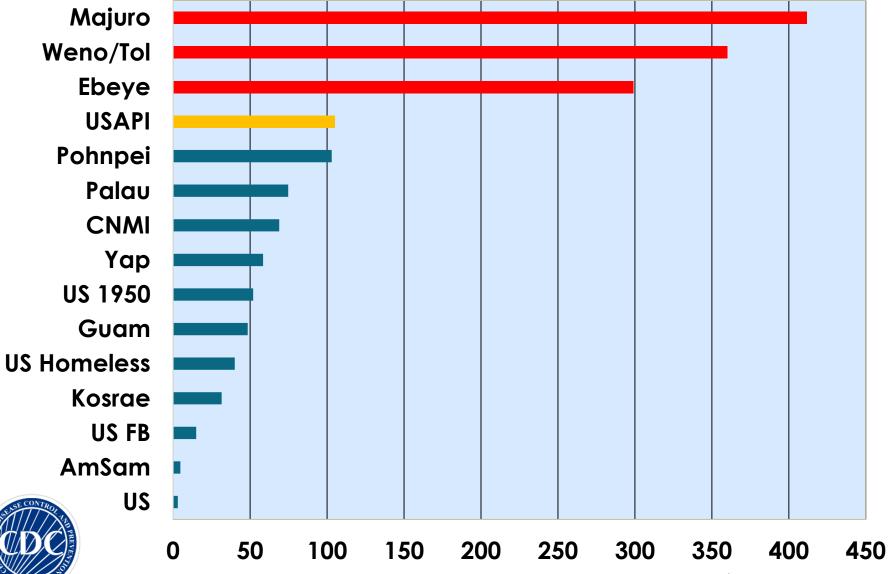
- Mass TB screening (leprosy, diabetes)
- Mass treatment of latent TB Infection
- Increased support for TB program



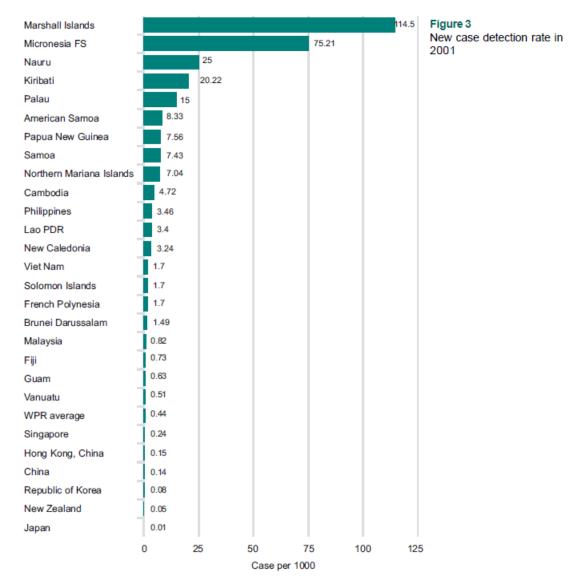
TB in the Pacific

Why?





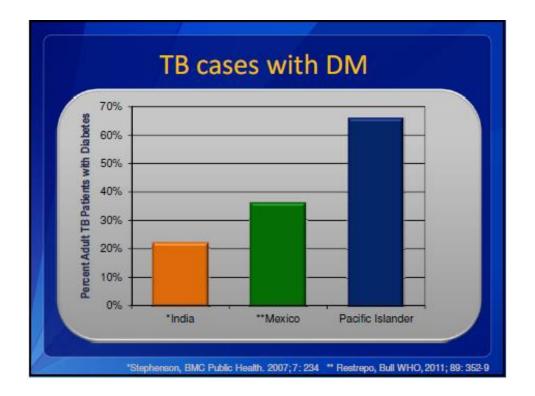
Source: Average TB Rate 2009 - 2015, EpiAnywhere



Note: No cases were detected in Cook Islands; Macao, China; Mongolia; Niue; Pitcaim Islands; Tokelau; Tonga; and Tuvalu.

Country	Prevalence		New Case Detection			
	No.	Rate x 10 000	No.	Rate x 10 000	MB	
					No.	%
American Samoa	6	0.87	0	0	0	0
The Commonwealth of the Northern Mariana Islands	3	0.45	0	0	0	0
Cook Islands	0	0	0	0	0	0
Fiji	6	0.07	2	0.24	2	100
French Polynesia	18	0.67	6	2.25	3	50
Guam	14	0.77	10	5.52	10	100
Kiribati	171	16.9	182	179.9	54	30
The Marshall Islands	103	18.9	110	202.1	43	39
The Federated States of Micronesia	137	13	117	109	62	53
Nauru	4	3.64	2	18.2	1	100
New Caledonia	9	0.37	8	3.3	4	5
Niue	0	0	0	0	0	0
Palau	6	2.7	3	13.6	3	100
The Pitcairn Islands	NR	NR	NR	NR	NR	NR
Samoa	13	0.7	12	6.5	11	92
Solomon Islands	12	0.2	14	2.6	12	86
Tokelau	0	0	0	0	0	0
Tonga	0	0	0	0	0	0
Tuvalu	0	0	0	0	0	0
Vanuatu	3	0.13	3	1.28	2	6
Wallis and Futuna	NR	NR	NR	NR	NR	NR
PICs	505	1.64	478	15.5	208	43.5
Western Pacific Region	8386	0.05	5055	0.28	4147	82

TABLE 10 Prevalence, new case detection and multibacillary forms in the Pacific island countries, 2010



Higher death rate

Greater risk of relapse



COLLABORATION



TB & LEPROSY-FREE MAJURO

Julia Greenleaf, Public Health Nurse | volunteer 5/30/18 – 6/22/18



HISTORY

TRAINING & SET-UP

KICK-OFF & GO!







Your Jaluit hotel is ready for you!

The Lieom Jaluit Hotel officially opened with a big ceremony this past Tuesday on Jabor, Jaluit. A development of the Locak family, it was the subject of speeches, music, and ribbon cutting by, from left, Atelma Reimers Timothy (daughter of Lerooj Neimat Reimers, Licom Kabua Lanki (daughter of Irooj Imata Kabua) and Antonia Locak (daughter of the late Iroii Aniua Locak).

Irojj Mike Kabua, former President/Irojj Chris Locak and the hotel's namesake, Anono Lieom Loeak, were among featured speakers at the opening. Photo: Chewy Lin.



7,000 at risk of fined for choice of contracting TB location

KELLY LORENNIJ Over 7,000 people in Majuro are at high risk of getting sick with tuberculosis (TB) in the future - that is one in every four people living in the capital atoll.

This alarming statistic, provided with much evidence from the Centers for Disease Control (CDC) and the World Health Organization (WHO), weighed heavily in the air during the aunch of Majuro's very first TB and leprosy mass screening program that took place Monday at he capital meto courtyard. Dr. Richard Brostrom, CDC Senior Advisor, stated with full confidence, "There are too many cases of TB in the Marshall Islands, and we can do something about that." He added: "This is not a sur-

veillance project. Working with the hospital and public health staff, we are not here to count, we are here to cure."

Of all the countries in the world. he Marshall Islands ranks in the top 10 most prevalent in TB, and top three for leprosy. In 2013, the RMI was the second most TBaffected country - this year it is number 11, which shows that we really can do something about it. of great concern alongside active ment can be provided to eliminate

Mayor Ladie Jack and Minister Kalani Kaneko prepare to be screened for TB and leprosy. Photo: Kelly Lorennij.

Doc: 'We are here to cure, not count'

While TB is the most infectious TB. The figures show that 7,000 the risk of spreading the disease disease worldwide, it is curable. people have latent TB in Majuro to family members and others. Latent TB, or "sleeping" TB, out of an estimated population of that makes a person non-infec-28,000. But the good news is that tious at first so that they do not there is a test for it and the sooner experience symptoms, is a cause one gets tested, the sooner treat- TB, increasing the chance that a

A Philippines purse sciner is paying a half-a-million-dollar fine for fishing illegally within RMI waters.

The Dolores 870, a Philippines-flagged fishing vessel, was caught fishing within the 50 mile radius around Majuro Atoll, waters where commercial fishing is prohibited.

Marshall Islands Marine Resources Authority (MIMRA) recently concluded this enforcement action and one other fine of a vessel, while three different potential infractions by other fishing vessels are under investigation, according to MIMRA's Legal Advisor Laurence Edwards, II. In February, the Tuvalu-flagged Taina purse seiner was cited by MIMRA for entering Port Majuro without notifying MIMRA within 72 hours for tuna transshipment. It was fined \$50,000.

In early April, two Fisheries Observers reported that Dolores 870 was fishing illegally in the RMI "fisheries exclusive zone," which is ocean water within a 50-

mile radius of Majuro and Kwajalein. This violated the vessel's Factors such as diabetes, tobacco, alcohol, and age all can fishing license and conditions of contribute to "waking up" latent fishing access.

The Dolores 870 was fined \$500,000, and has agreed to pay.

Continued page 2

TB Stigma refers to negative beliefs, feelings, & attitudes toward people living with TB, their families, and people who work with them.

HISTORY

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TRAINING & SET-UP



















TRAINING & SET-UP







Majuro TB+Leprosy Mass Screening Opening Ceremony

MC: Francyne Wase-Jacklick, Assistant Secretary, Office of Health Planning

Program of Events

Parade- Float (Start at Rita/Alwal and End at Delap Park)

> Opening prayer Rev. Russell Edwards Reform Congregational Church

> > Welcome Remarks Hon. Ladie Jack Majuro Atoll Mayor

Remarks from the Ministry Hon. Kalani R. Kaneko Minister of Health & Human Services

Joint Message from Technical Partners Dr. Richard Brostrom CDC Seniar Advisor

LAUNCH of TB+Leprosy Screening Majuro Leadership

Acknowledgements

Closing Prayers Rev. Enja Enos Parliament Chaplain





KICK-OFF & GO!

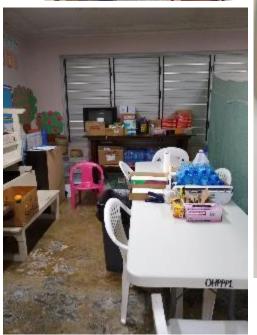


KICK-OFF & GO!



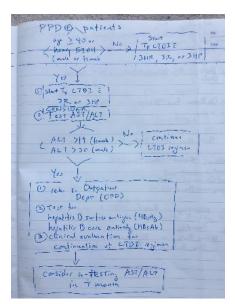














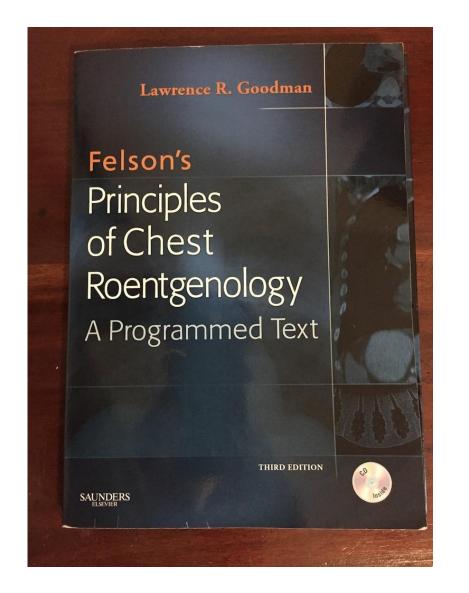
KICK-OFF & GO!



Over 2,000 people screened · 14 people diagnosed with TB disease · 200+ people started on treatment for TB infection · 4 people diagnosed with Hansen's Disease · Systems in place for ongoing screening, diagnosis, and treatment moving forward LEGACY

NEXT VOLUNTEER

ANN MISCH MD











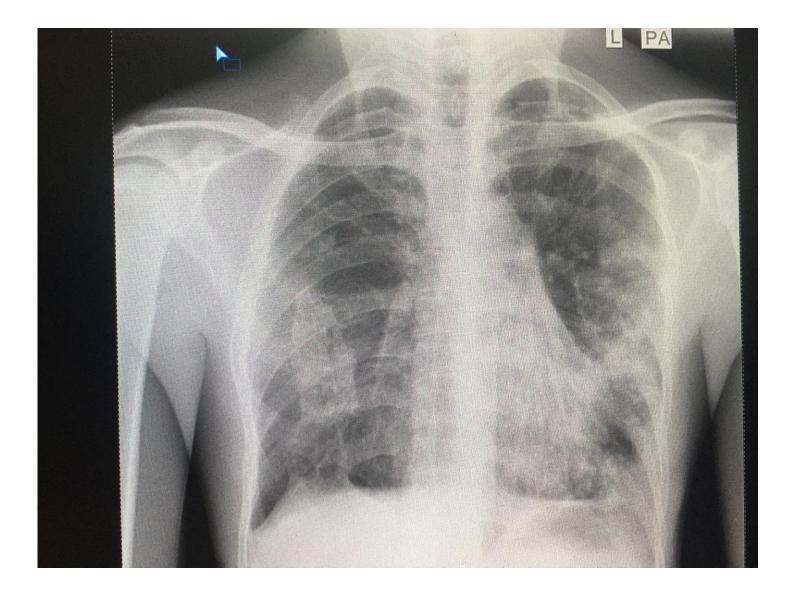
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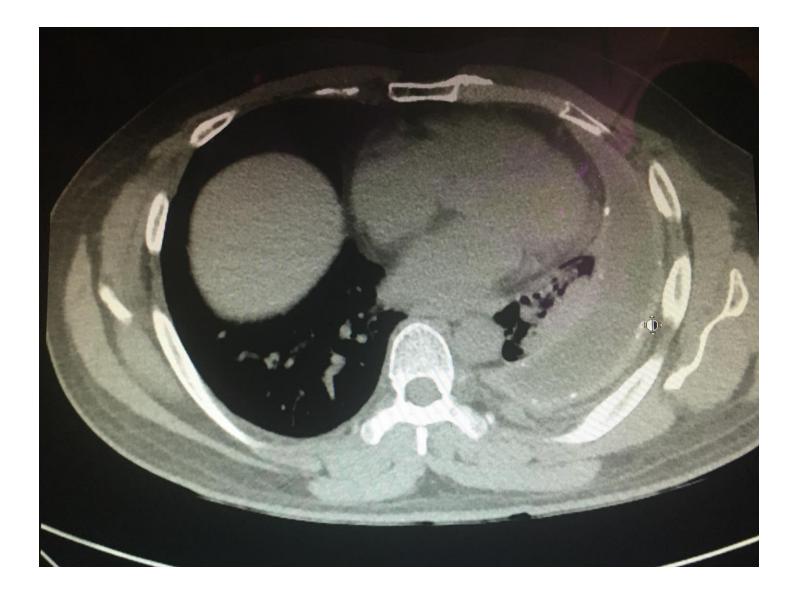


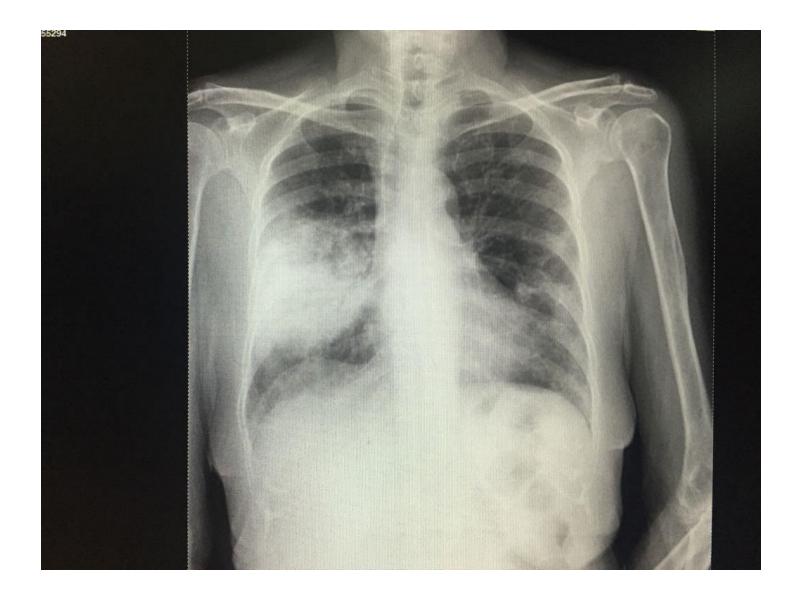




















NEXT VOLUNTEER



PHILIP WEGNER

































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Outcomes : TB + Leprosy Free Majuro

Screening Process	Total	Percent
First screening at home	22,402	82% of population reached
Completed screening	19,136	85% completed second visit



RMI Report: November 26, 2018

Outcomes : TB + Leprosy Free Majuro

Active TB	Total	Percent
Started Treatment	307	1,604 active TB diagnoses per 100,000 people screened
Latent TB (sleeping TB)		
Latent TB Diagnosis	5,367	29% of people screened diagnosed with Latent TB
Recommended for Latent TB Treatment	4,897	9% with latent TB were not medically eligible for latent TB treatment
Started Latent TB Treatment	4,705	96% of eligible patients started latent TB treatment



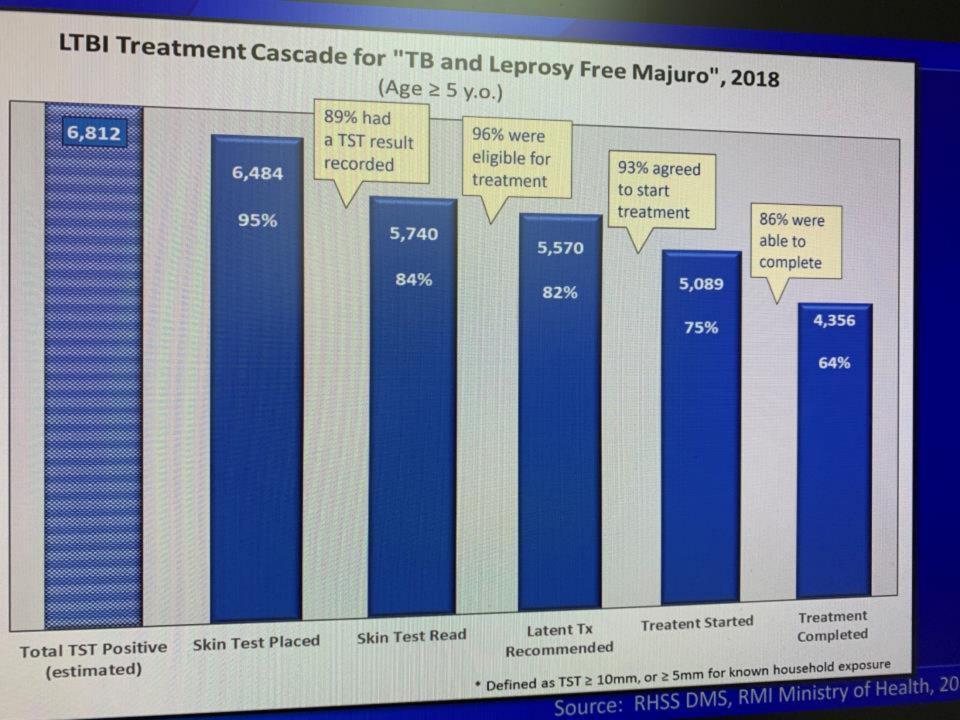
RMI Report: November 26, 2018

Outcomes : TB + Leprosy Free Majuro

Leprosy	Total	Percent
Referred for evaluation	394	2.5% of people screened were referred for leprosy evaluation
New cases of leprosy	54	14% of referred patients were diagnosed with leprosy
Diabetes		
Identified with diabetes (A2c \geq 6.5)	929	24% of people screened for diabetes have diabetes
New diagnosis of diabetes	409	11% of people screed for diabetes were newly diagnosed



RMI Report: November 26, 2018



akwe



