

LEARNING OBJECTIVES

🚳 | 🛃 LIVE WELL SAN DIEGO

THE ATTENDEE WILL BE ABLE TO:

- Describe medical tourism
- Discuss the importance of medical tourism for Infection Control
- Describe organisms of current interest in medical tourism cases
- Understand the role of Public Health in these cases

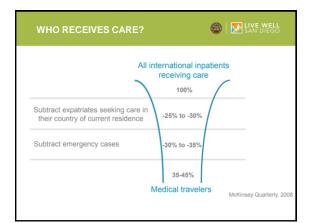
MEDICAL TOURISM - DEFINITION

SAN DIEGO

- AKA Health Tourism
- CDC 2016:
 - Traveling to another country to receive medical care
- Originally referred to travel from less developed to more developed countries to receive treatments not available in home country
- No internationally agreed upon definition

MEDICAL TOURISM - REASONS

- Care/procedure is cheaper in another country
- Immigrants to US may prefer to return to home country for care
- Procedure or therapy not available in the US
- Most common procedures:
 - Cosmetic surgery, dentistry, heart surgery, bariatric surgery, transplant

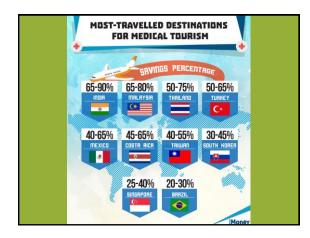


	IVE WELL San Diego	
	L TOURIST DESTINATIONS DLUME OF CARE	
I-Thailand	8-Costa Rica	
2-Hungary	9-Brazil	
3-India	10-Mexico	
4-Singapore	II-South Korea	
5-Malaysia	12-Colombia	
6-Philippines	13-Belgium	
7-United States	14-Turkey	
	Source: Frost & Sullivan	



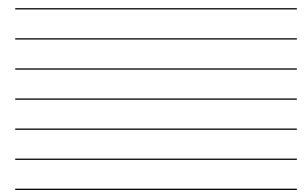
















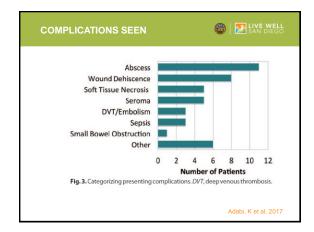


WHY IS THIS IMPORTANT?

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IMPACT ON LOCAL FACILITIES

- Repatriation
 - From Tijuana to San Diego
- MDRO
 - Makes treatment difficult
- Other unusual organisms
- Sepsis
- Infection Control Implications
 - MDRO
 - Enhanced precautions
 - Increased costs for control





ORGANISMS	🛞 <mark>M Live Well</mark> San Diego
 Carbapenem-resistant Enterobace Ps. aeruginosa Klebsiella pneumoniae Acinetobacter baumannii Proteus spp Ps. aeruginosa Citrobacter freundii Mucorales fungus (rare) Etc. etc. etc. 	cteriaceae (CRE)

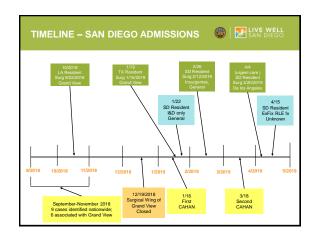


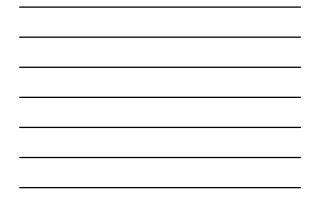


2018/2019 BARIATRIC SURGERY CASES	IVE WELL
The San Diego Union-Tribune	
CDC: Superbug involved in Tijuana l surgery infections showed ominous	bariatric mutation
The MERCH WILL WILL WILL WILL WILL WILL WILL WIL	Contrast of the stand of the st

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- Carbapenem-resistant Pseudomonas aeruginosa
 - Verona Integron-encoded Metallo-β-lactamase (VIM)
- First case in San Diego
- LA resident, October 2018 Initial association with Grand View Hospital
- MLST 111 per Walter Reed
 - Subsequently other MLST identified







EXAMPLE PATIENT

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42-YEAR-OLD MALE

- From Texas
- Alcohol abuse
 - Case and a half of Bud Light per day
- Smoker
 - One pack per day
- = BMI
 - Approximately 51
- Sought Roux-en-Y gastric bypass in Tijuana
 - Grand View Hospital
 - 1/16/2019

SAN DIEGO

- 1/16/2019 Surgery in Tijuana, MX
- 1/17/2019 Re-exploration of surgical site

 - Probably due to leaking anastomosis
 Developed septic shock, renal failure (dialysis required)
 - Started on broad spectrum antibiotics Marginal respiratory status intermittently on BiPAP
 - Hospital demands \$3K more to continue treatment
- 1/18/2019 Repatriated to US San Diego County facility
 - Drain in place, on BiPAP
 - Cannot tell ED doc what happened in MX
 - Intubated
 - Admitted 11/19/2019, 3am
 - Admission diagnoses
 - RUL pneumonia peritonitis, dilated loops of small bowel, acute renal failure, shock liver, anemia, sepsis, acute hypoxic respiratory failure

HOSPITAL COURSE

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- 1/19/2019 Admission
- 1/23/2019 Exploratory Lap clean-out
 - Reopening of initial surgical lap Debridement and repair of Roux-en-Y anastomosis
- Ventral Hernia Repair with bridging mesh for evisceration
 1/25/2019 VHR repair for popping sutures
 - Wound repair
- Wound Vac
 2/8/2019 Tracheostomy placed
 1/19-2/23/2019 ICU
- - Intubated
- Developed rhabdomyolysis
 2/24/2019 D/C from ICU
- 2/25/2019 On Tele floor
- Waiting for LTAC placement

SAN DIEGO

- 1/18/2019 ED
 Blood CRE VIM Ps. aeruginosa

- 1/19/2019
 Blood CRE VIM *Ps. aeruginosa* Sputum/Bronch wash Stenotrophomonas maltophilia
 Resistant to Ceftazidime, naturally Carbapenem resistant
- 1/21/2019
- Wound CRE VIM Ps. aeruginosa
- 1/23/2019 Blood – no growth
- = 2/4/2019
 - Sputum S. maltophilia and CRE VIM Ps aeruginosa
- = 2/13/2019
 - Trach aspirate CRE VIM Ps. aeruginosa















