

Department of Medicine IDWeek 2020

INTRODUCTION

Yellow fever (YF) virus has the potential to cause fatal outcomes among at-risk individuals visiting endemic areas. Vaccinating travelers who are at risk is necessary to prevent virus-related lifethreatening complications. We lack data on the clinical features of travelers seeking YF vaccination. This study aims to describe the characteristics of a cohort of travelers receiving the YF vaccine.

METHODS

A retrospective analysis of 964 travelers receiving the YF vaccine (Stamaril[®]) from Oct 2016 to Jul **2019 was performed at the University of Colorado Hospital,** U.S. Percentages, means, and standard deviations were calculated. A multivariate logistic regression model was built to evaluate the association between receiving YF vaccination less than 10 days before departure and visiting friends and relatives (VFR).

Travel Destination, Demographics, and Underlying Medical Conditions Among Travelers Seeking Yellow Fever Vaccination at a Large Academic Medical Center in the U.S.

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Variables	Total (N = 964)	VFR N = 170 (18%)	Othe Reaso N = 79 (829
Age (years), mean (SD)	39 (18)	30 (20)	41 (1
Age ≥ 60 years old	167 (17%)	18 (11%)	149 (19
Sex, female	502 (52%)	74 (44%)	428 (54
Race			
White	614 (64%)	36 (21%)	578 (73
African American		104 (61%)	38 (59
Other	208 (22%)	30 (18%)	178 (22
Out of Colorado State	41 (4%)	5 (3%)	36 (59
Pregnancy	11 (2%)	5 (6%)	6 (1%
Hematologic/Immunologic Disease	36 (4%)	9 (5%)	27 (39
Diabetes Mellitus	27 (3%)	6 (4%)	21 (39
Neoplasm	72 (7%)	7 (4%)	65 (89
HIV	22 (2%)	12 (7%)	10 (19
Destination			
Africa	551 (57%)	146 (86%)	405 (52
South America	387 (40%)	22 (13%)	365 (46
Other	26 (3%)	2 (1%)	24 (39
Time between vaccine administration and departure (days), mean (SD)	41 (38)	34 (39)	43 (3
Vaccination < 10 days	110 (11%)	30 (18%)	80 (10

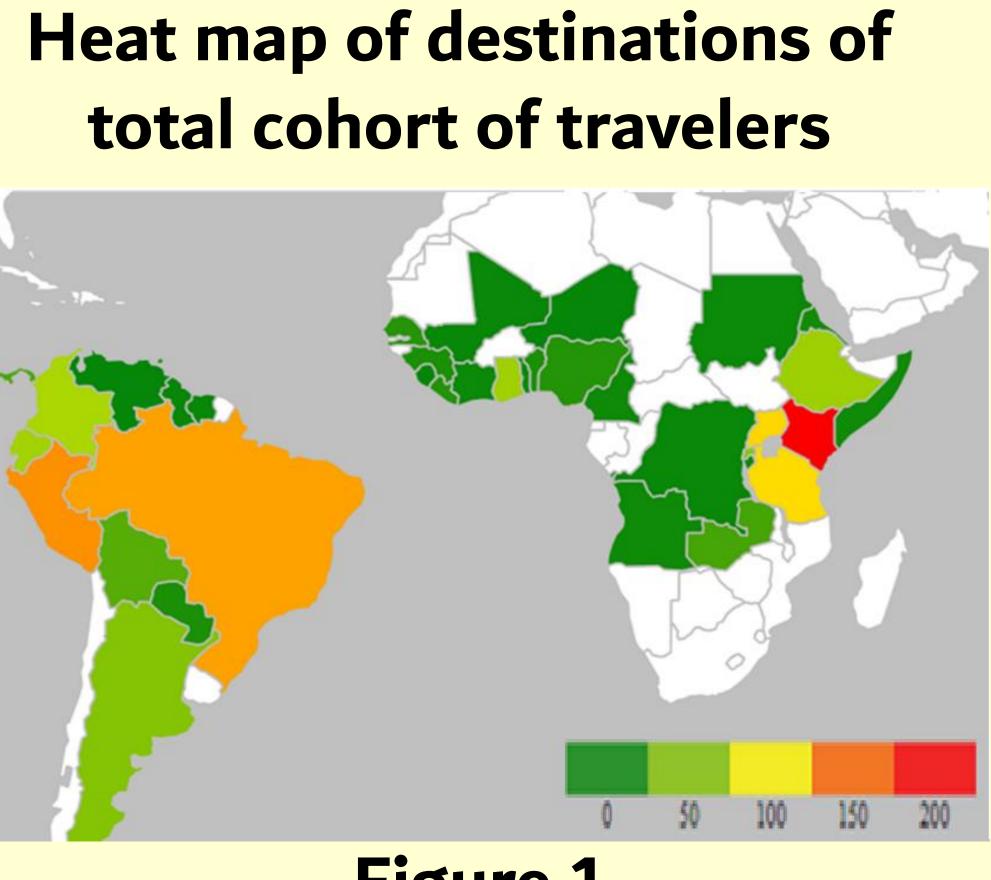
RESULTS

Identifying the type of travel and und medical conditions allows safe adminis of YF vaccine to travelers over the age years as well as those with immuno comorbidities. In addition, there is a r identify strategies to improve the tim YF vaccination among VFR travele



Questions or concerns IDWeek 2020

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