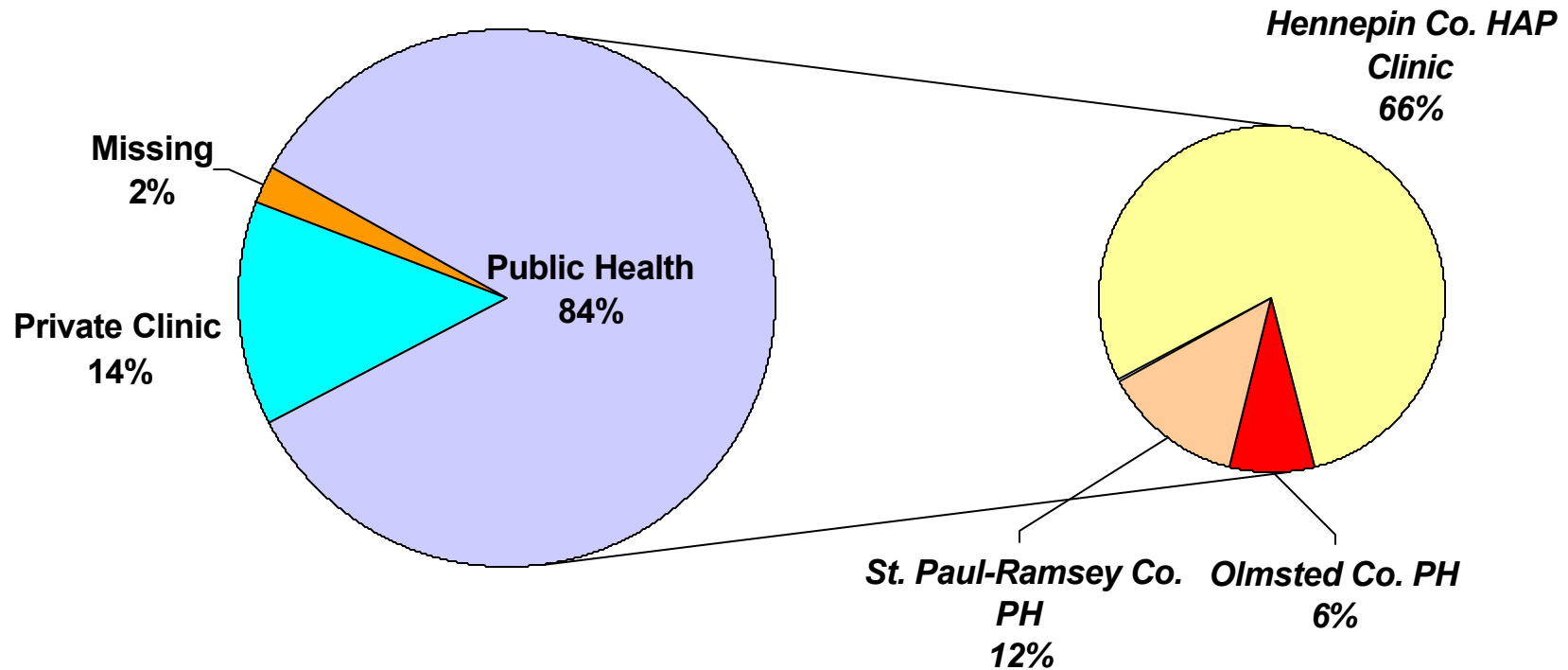


Refugee Health Assessment Provider Types - Minnesota, 1999



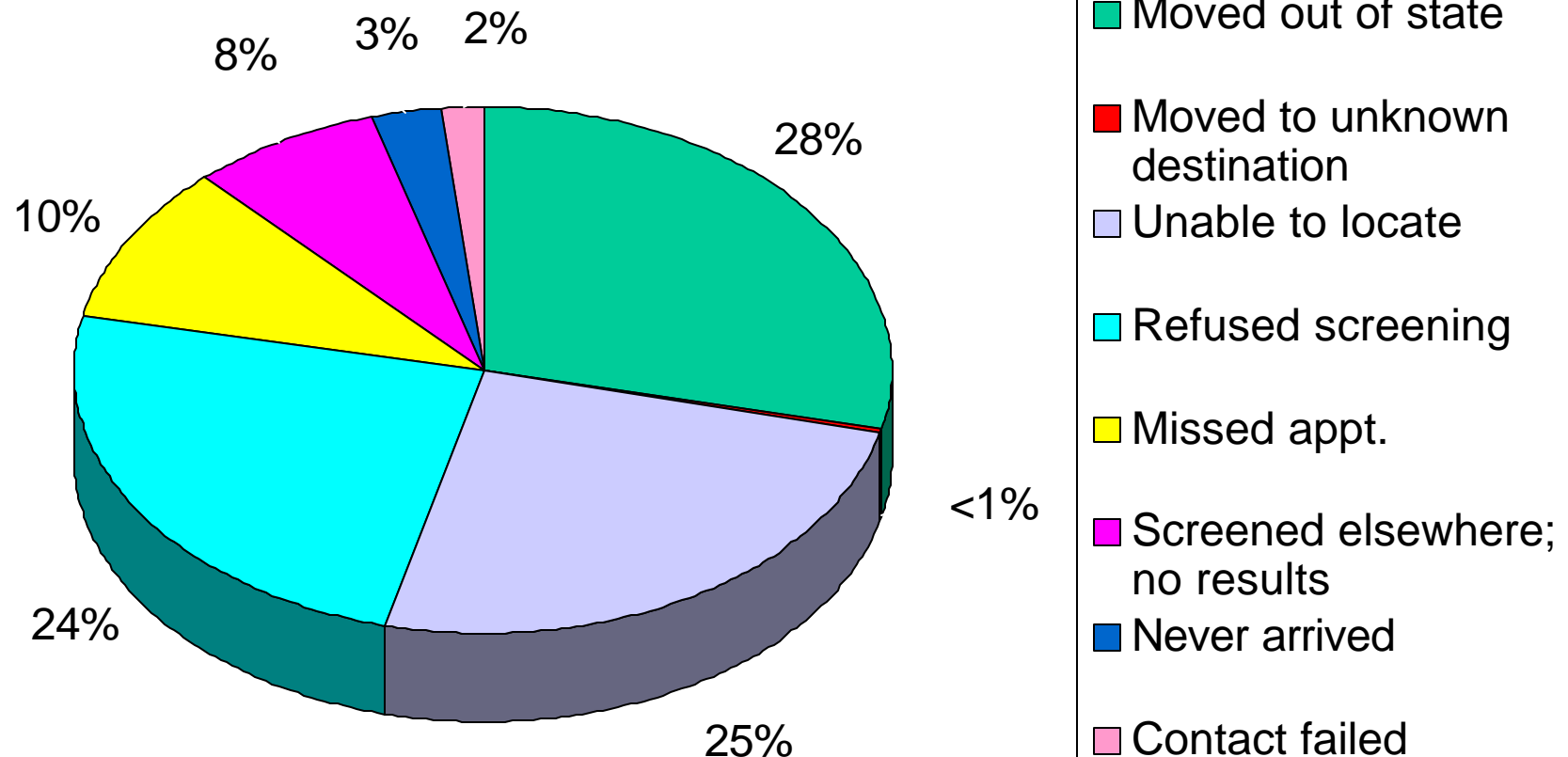
N=2510/3692 eligible refugees screened (68%)

Primary Refugees Screened by Region of Origin - Minnesota, 1999

Region of world	Total arrivals	Ineligible for screening	No. (%)[*] screened
Africa	2922	154	1851 (67%)
E. Asia/Pacific	139	24	82 (71%)
E. Europe	838	38	569 (71%)
Near East	10	1	9 (89%)
W. Hemisphere	4	4	0 (0%)
Total	3913	221	2510 (68%)

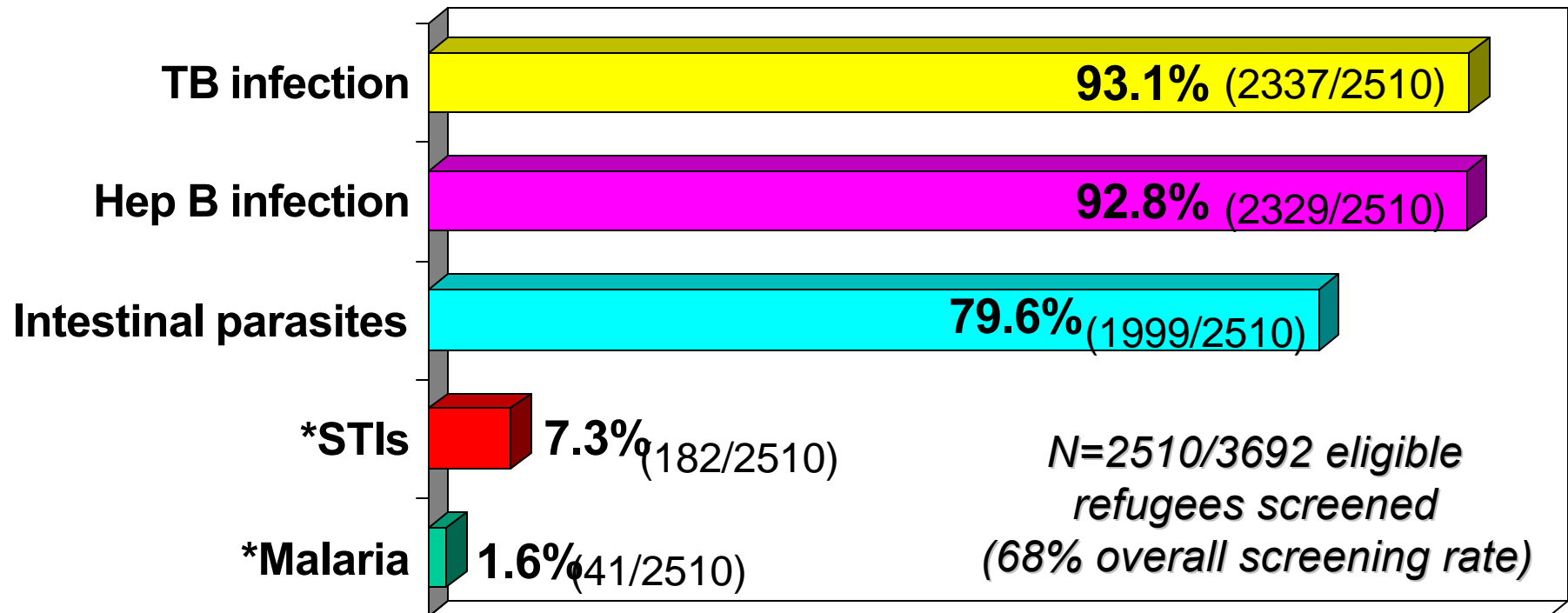
**Excluding those ineligible for screening*

Primary Refugees Lost to Follow-up Minnesota, 1999



N = 392

Refugee Screening Rates by Test Minnesota, 1999



**Screening tests added to MDH recommendations April 1999*

Percent screened per test

Health Status of New Refugees, Part I - Minnesota, 1999

Health issue upon arrival	No. (%) of refugees screened for particular infection*	No. (%) with infection among screened
TB infection**	2337 (93.1%)	1137 (48.7%)
Hep B infection***	2329 (92.8%)	173 (7.4%)

* Among total refugees screened (N=2510)

** Persons with ≥ 10 mm induration from tuberculin skin test

*** Positive for HBsAg (hepatitis B surface antigen)

Health Status of New Refugees, Part II - Minnesota, 1999

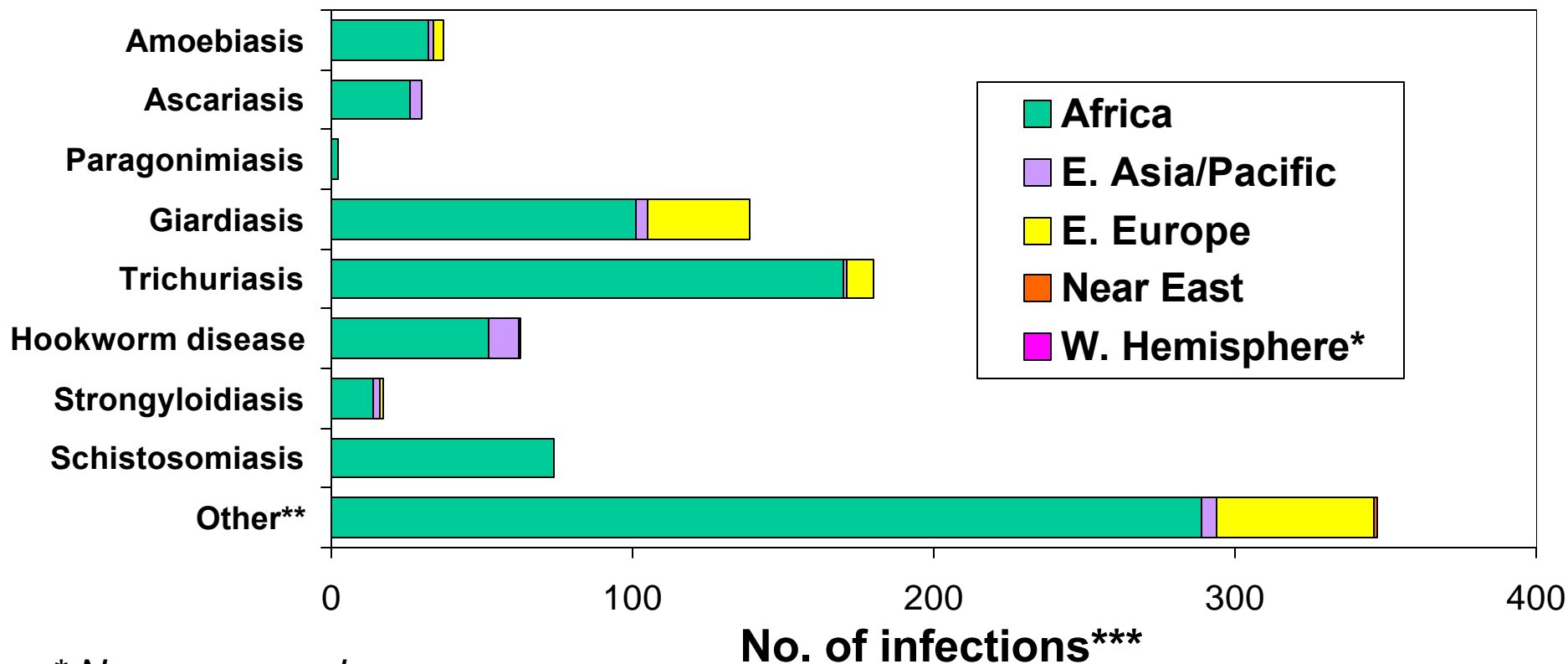
Health issue upon arrival	No. (%) of refugees screened for particular infection*	No. (%) with infection among screened
Parasitic infection**	1999 (79.6%)	730 (36.5%)
Sexually Transmitted Infections (STIs)***	182 (7.3%)	3 (1.6%)
Malaria infection***	41 (1.6%)	21 (51.2%)

* Among total refugees screened (N=2510)

** Testing positive for at least one intestinal parasitic infection

*** Screening tests added to MDH recommendations April 1999

Types of Intestinal Parasitic Infections in Refugees by Region of Origin, Minnesota, 1999

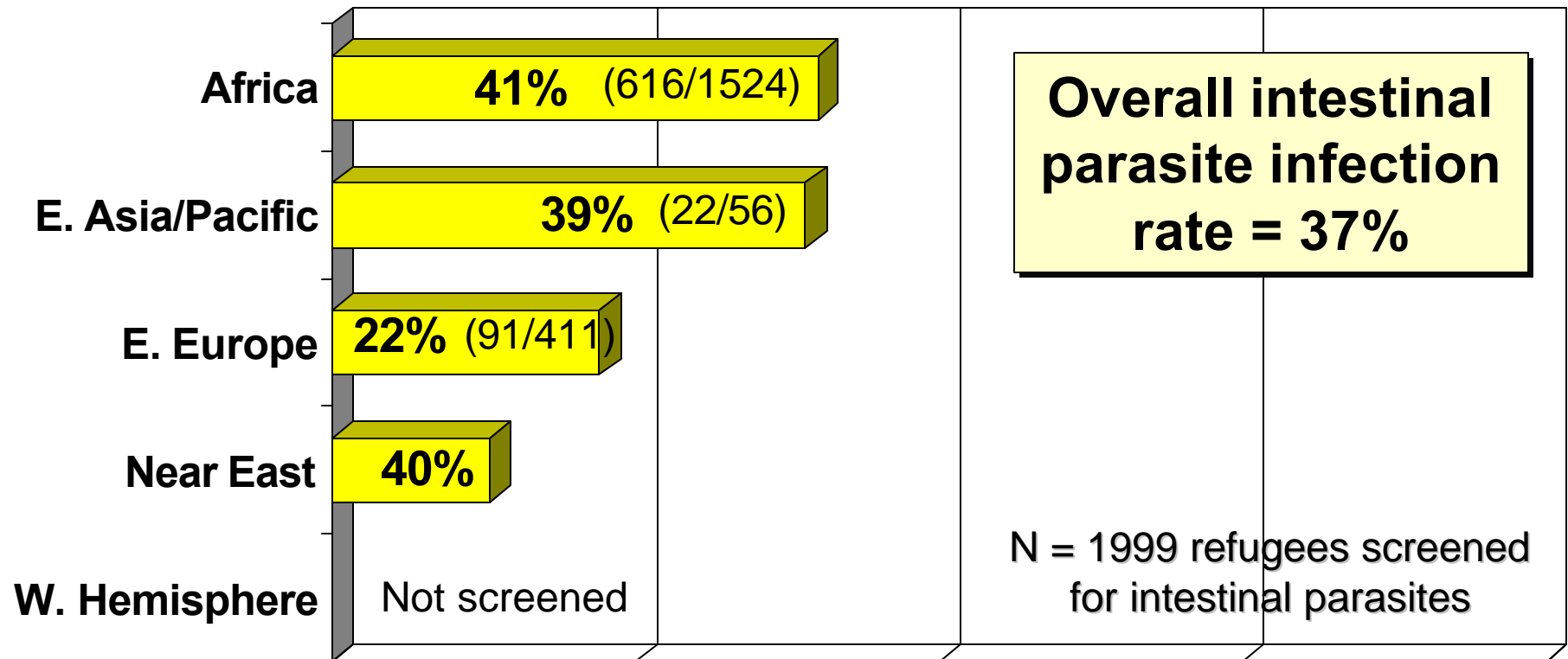


* None screened

** Mostly infection from nonpathogenic intestinal parasites

*** Persons with multiple infections are counted more than once

Intestinal Parasitic Infection* Rates Among Refugees Screened, by Region of Origin - Minnesota, 1999

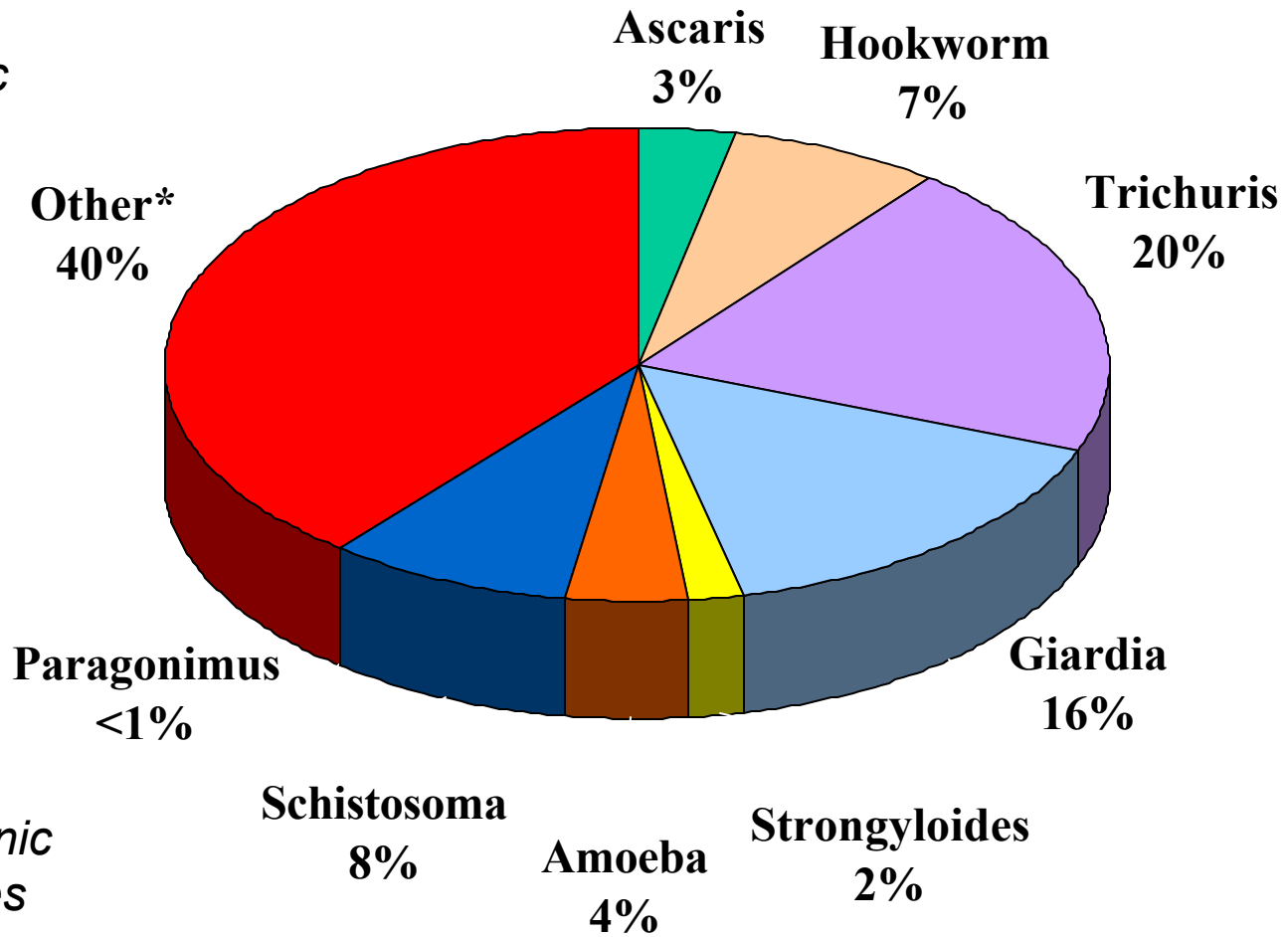


* At least one stool parasite found (including nonpathogenic)

Types of Intestinal Parasites in Refugees to Minnesota, 1999

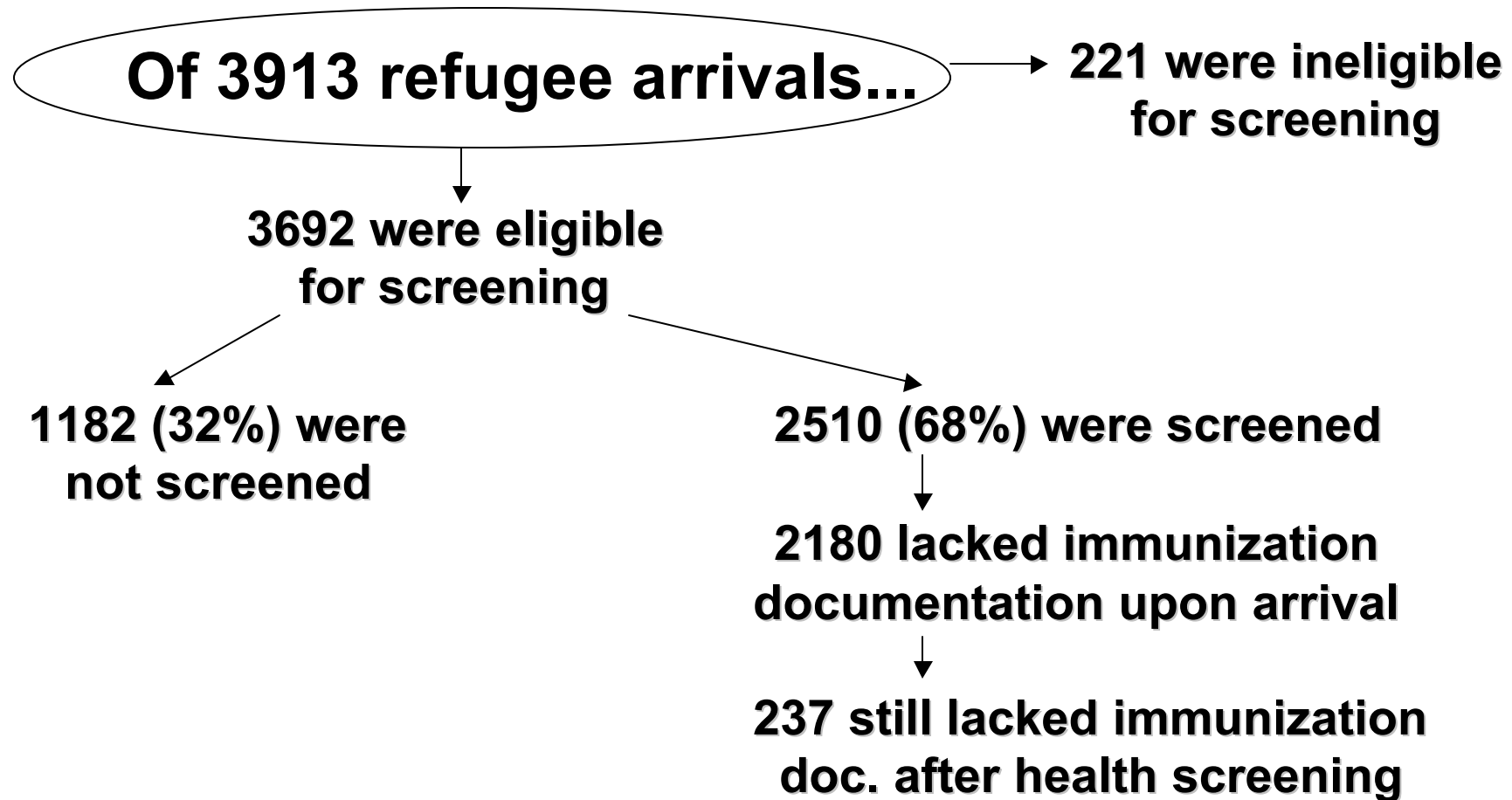
N = 889 total intestinal parasitic infections

Persons with multiple infections are counted more than once



** Mostly infection from nonpathogenic intestinal parasites*

Immunizations in Refugees Screened - Minnesota, 1999



Refugees Lacking Immunization Documentation by Age - Minnesota, 1999

Part I

Age (years)	No. of arrivals who were screened	No immunization documentation upon arrival - No. (%)
0-5	226	150 (66%)
6-18	1068	923 (86%)
19-64	1173	1065 (91%)
65+	43	45 (98%)
Total	2510	2180 (87%)

Refugees Lacking Immunization Documentation by Age - Minnesota, 1999

Part II

Age (years)	No immunization documentation upon arrival - No.	No immunization documentation even after screening - No. (%)
0-5	150	23 (15%)
6-18	923	104 (11%)
19-64	1065	101 (9%)
65+	45	9 (21%)
Total	2180	237 (11%)

Refugees Lacking Immunization Documentation by Region of Origin - Minnesota, 1999

Part I

Region of world	No. of arrivals who were screened	No immunization documentation upon arrival - No. (%)
Africa	1851	1805 (98%)
E. Asia/Pacific	82	0 (0%)
E. Europe	569	367 (65%)
Near East	8	8 (100%)
W. Hemisphere	0	---
Total	2510	2180 (87%)

Refugees Lacking Immunization Documentation by Region of Origin - Minnesota, 1999

Part II

Region of world	No immunization documentation upon arrival - No.	No immunization documentation even after health screening - No. (%)
Africa	1805	197 (11%)
E. Asia/Pacific	0	---
E. Europe	367	40 (11%)
Near East	8	0 (0%)
W. Hemisphere	---	---
Total	2180	237 (11%)

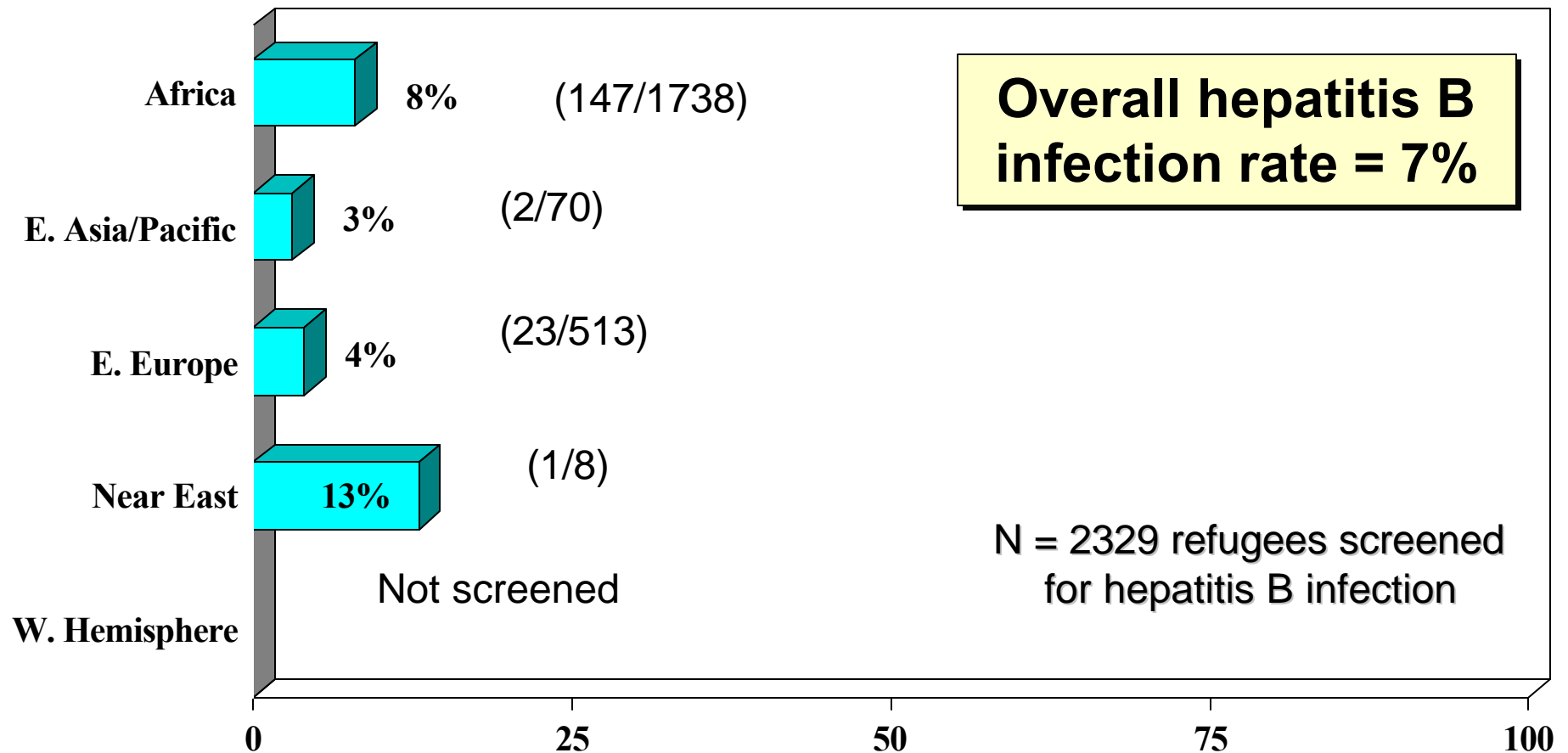
Hepatitis B Vaccination Status of Refugees: When HBV Series Was Started Minnesota, 1999

Age (years)	No. eligible*	Overseas: No. (%)	During health screening in MN: No. (%)	No screening/ No HBV documentation: No. (%)
0-5	302	13 (4%)	113 (37%)	176 (58%)
6-18	1265	18 (1%)	437 (35%)	810 (64%)
19+	1388	3 (<1%)	174 (13%)	1211 (87%)
Total	2955**	34 (1%)	724 (25%)	2197 (74%)

* Excludes those with confirmed hepatitis B infection

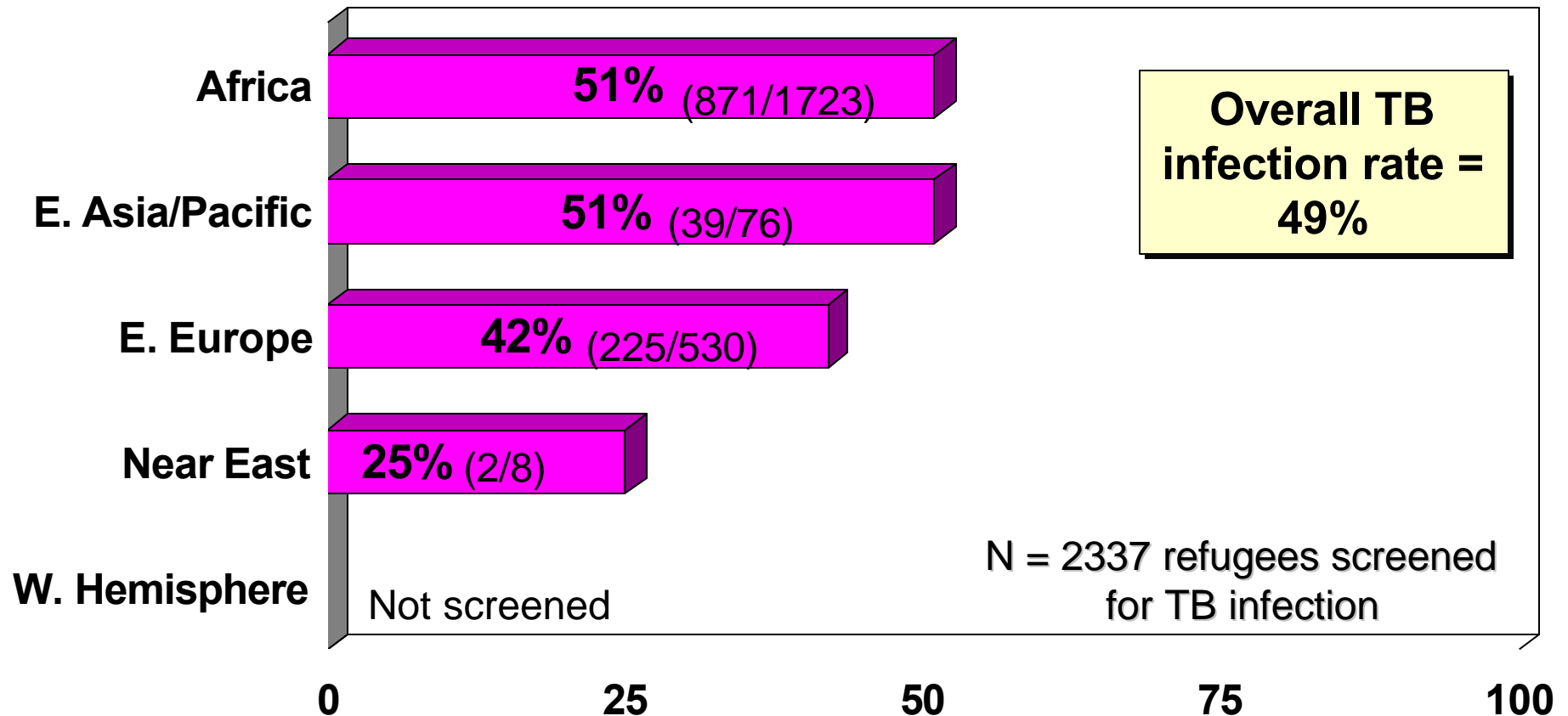
** 2955 refugees did not have confirmed hepatitis B infection

Hepatitis B Infection* Rates Among Refugees Screened, by Region of Origin Minnesota, 1999



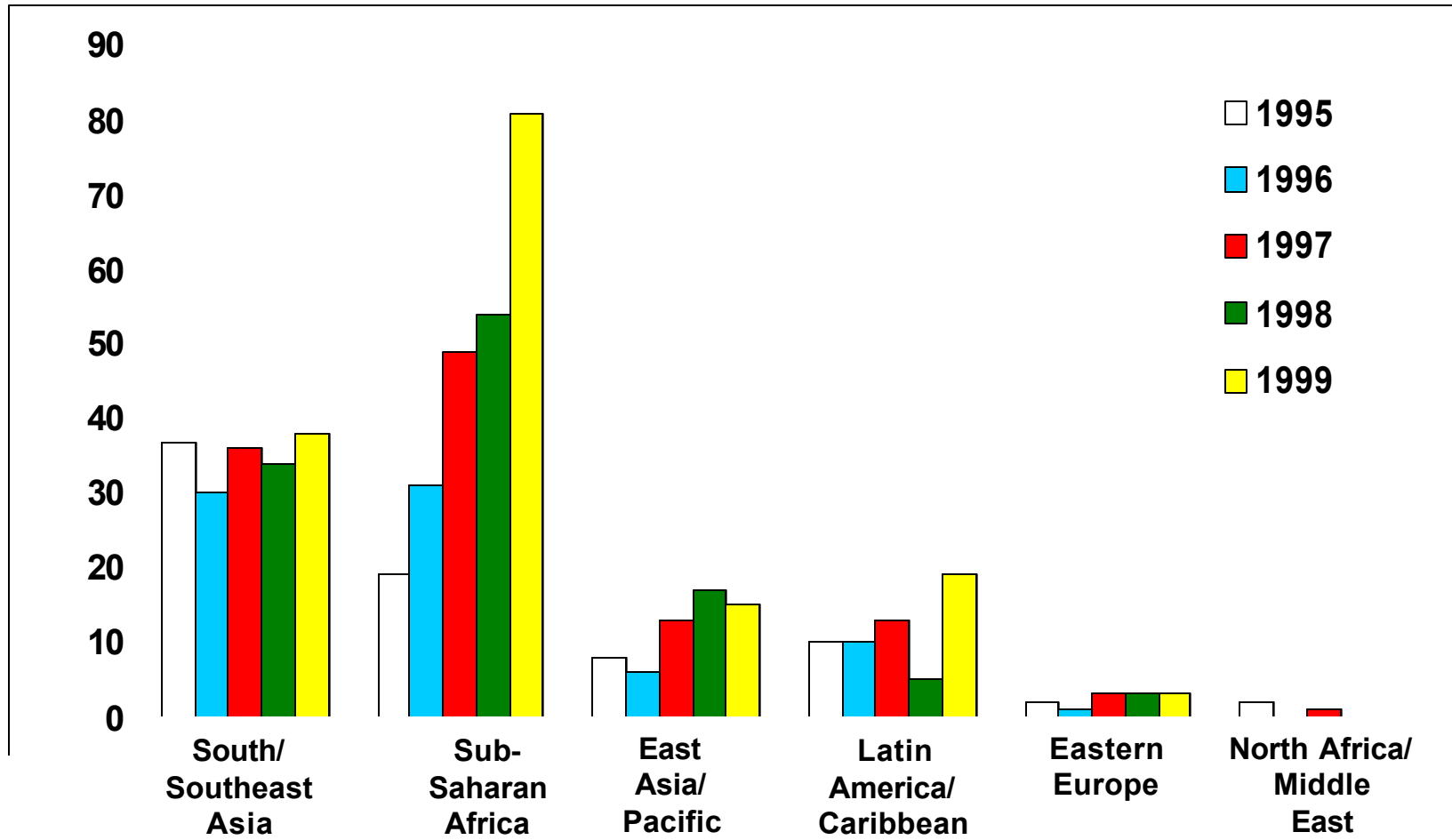
* Positive for HBsAg viral marker

Tuberculosis Infection* Rates Among Refugees Screened, by Region of Origin Minnesota, 1999

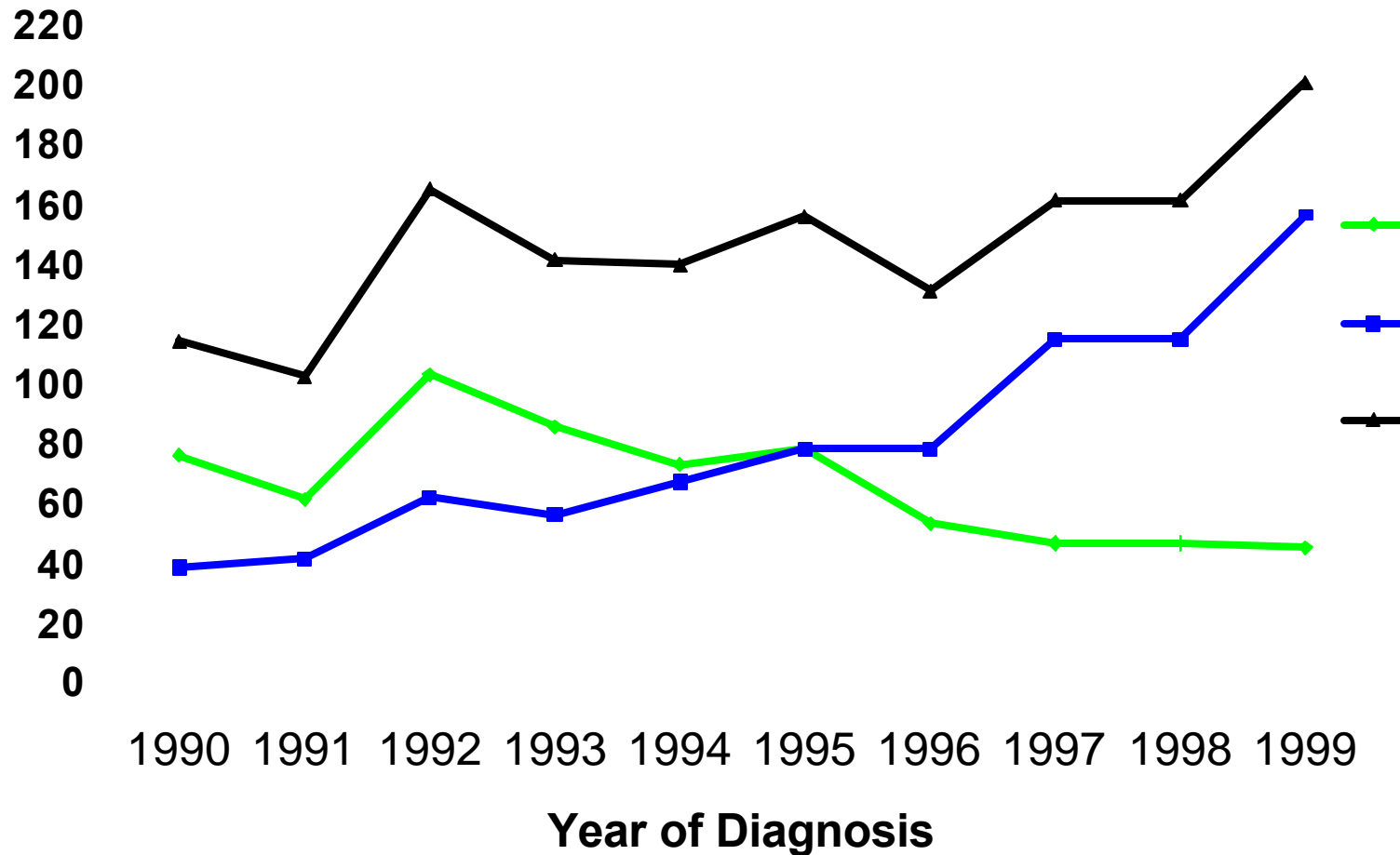


* Having ≥ 10 mm induration from Mantoux test

Foreign-Born Tuberculosis Cases by Region of Origin and Year of Diagnosis Minnesota, 1995-1999



Number of Tuberculosis Cases by Country of Origin - Minnesota, 1990-1999



Key Messages

- ❖ Numbers of refugees arriving to Minnesota again increasing
- ❖ Minnesota's population becoming more diverse
- ❖ Refugees resettling in more areas of state
- ❖ MN Refugee Health program can provide support through education, clinical consultation, and resources