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BACKGROUND

There are currently no country-wide epidemiological data on the burden of fungal infections in Benin. We have estimated the number of fungal infections occurring yearly in Benin.

MATERIALS / METHODS

A systematic literature review was conducted in both local and international research databases to identify fungal infection frequencies in specific population at risk in Benin from 1970 to 2017. The burden of serious fungal diseases were then estimated, using methodology previously described by the LIFE program (<http://www.LIFE-worldwide.org>). The population-based estimates of diseases were calculated using the demographic report 2011 (WHO World health stats 2011). All published epidemiology papers reporting fungal infection rates from Benin and specific populations at risk and fungal infection frequencies were identified

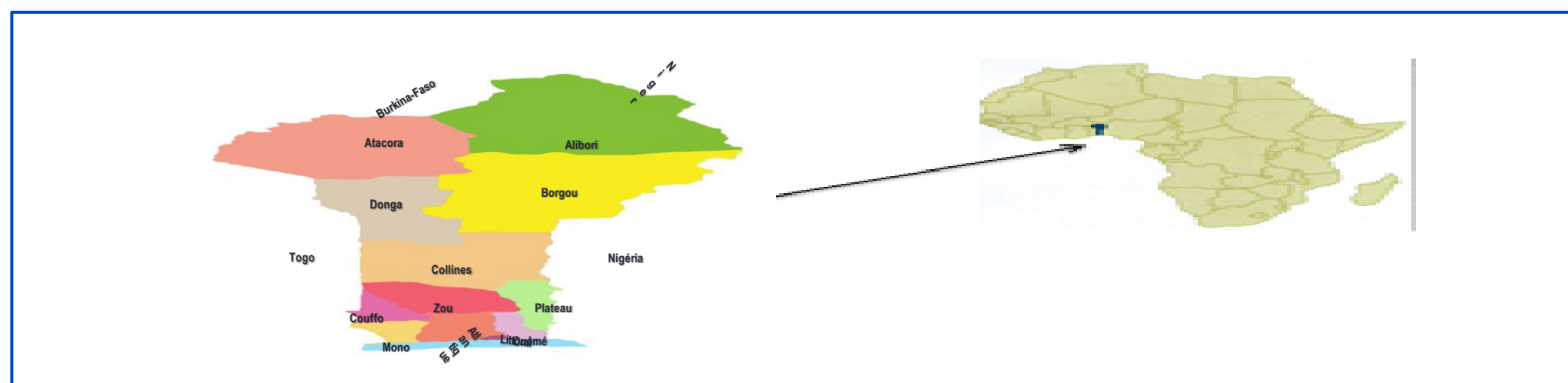


Figure 1: Republic of Benin (West Africa)



Figure 2: *Histoplasma capsulatum* var. *duboisii*

RESULTS

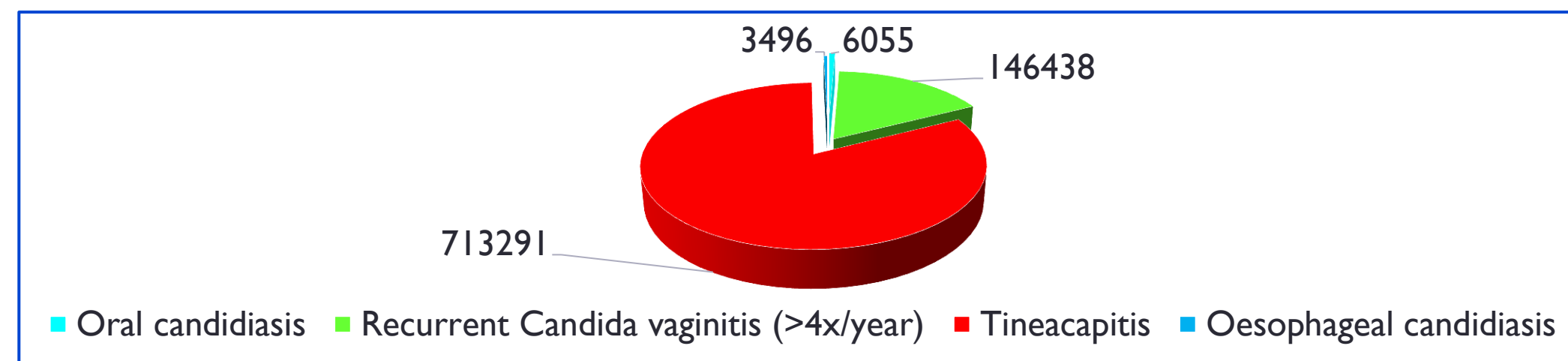


Figure 3: Prevalence of superficial fungal diseases

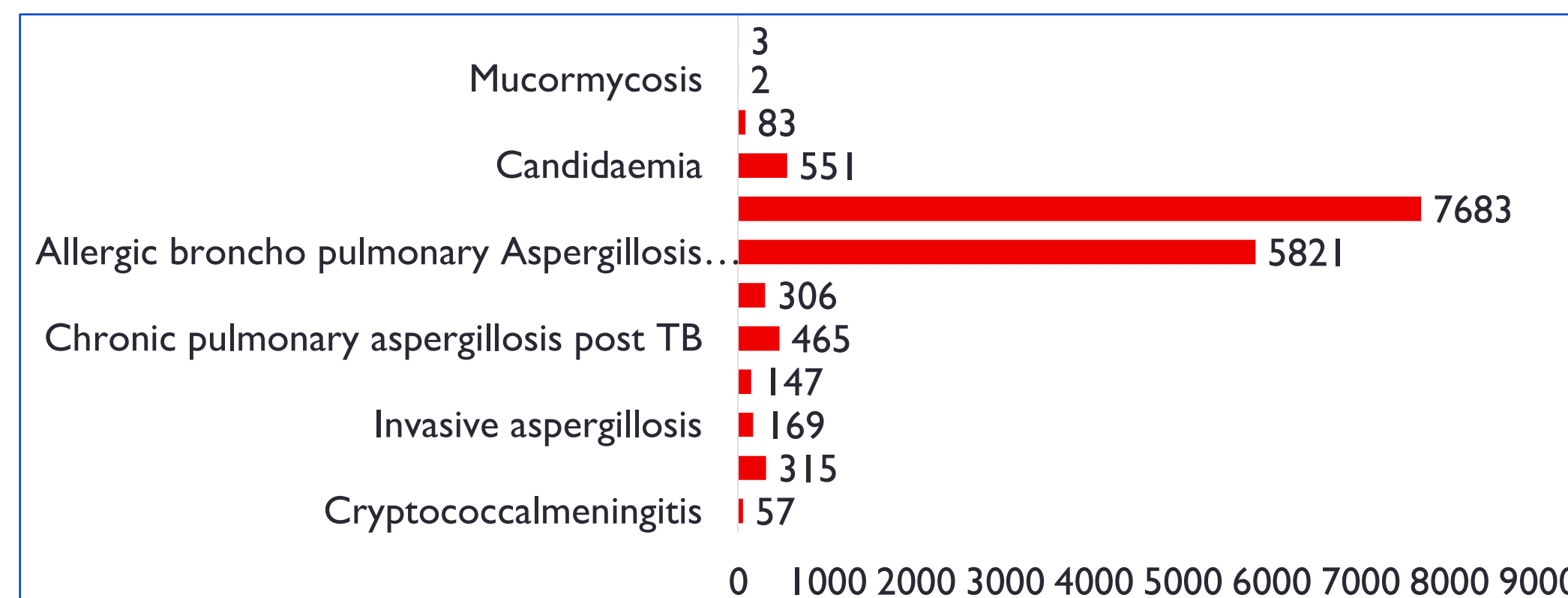


Figure 4 : Prévalence of serious fungal infections in Bénin

CONCLUSION

Overall, approximately 884.271 (8.01%) people in Benin are estimated to suffer from fungal infections each year. Diagnostic and treatment deficiencies should be rectified to allow prospective and comprehensive studies towards management of fungal diseases.

REFERENCES LIFE program (<http://www.LIFE-worldwide.org>)

