

2021

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10.4018/978-1-7998-6433-2.ch002

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# Epidemiology and Economic Importance of African Animal Trypanosomiasis

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## **Abstract**

African animal trypanosomiasis (AAT), also called Nagana, is a vector-borne parasitic disease caused by an extracellular protozoan belonging to the genus *Trypanosoma*. It has serious effects on the health status and welfare of domestic mammals which considerably results in a reduction in their productivity. In this review, a comprehensive overview of the epidemiology of AAT was provided with a special focus on its general clinical aspects (the clinical signs and pathogenesis as well as its transmission cycle), the parasite (*Trypanosoma* spp.), the parasite life cycle and transmission, its vector (*Glossina* spp.), tsetse fly lifecycle and reproduction, risk factors of AAT, and economic importance of AAT in the affected countries. The present work gave a detailed account of epidemiology in the context of infestation patterns, the parasite causing it, its vector, and the economic impacts of the disease on different livestock species.