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REPUBLIC OF KENYA

MINISTRY OF ENVIRONMENT, CLIMATE CHANGE AND FORESTRY STATE DEPARTMENT FOR ENVIRONMENT AND CLIMATE CHANGE

KENYA METEOROLOGICAL DEPARTMENT

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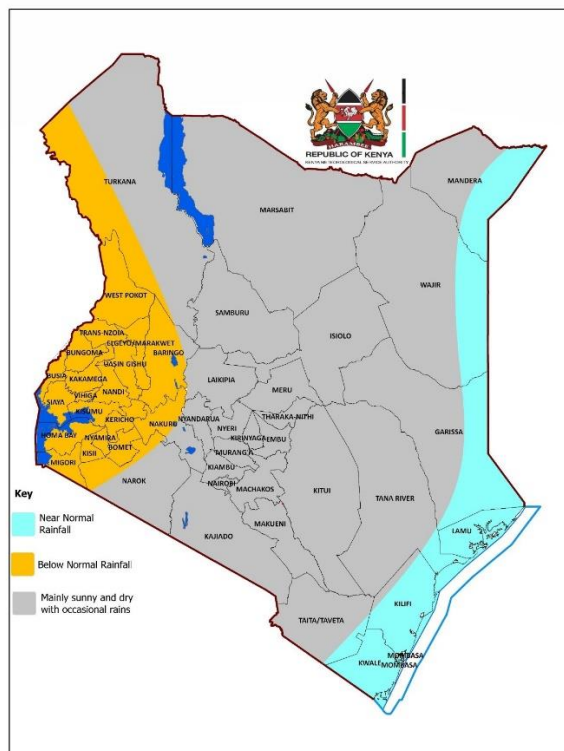
MONTHLY BIOMETEOROLOGICAL BULLETIN FOR SEPTEMBER 2026

1.0 Summary

Both humans' and animals' health will be at risk in some parts of the country in September. Several parts of the country are likely to be generally sunny and dry with increased risk of respiratory diseases.

2.0 SEPTEMBER 2026 FORECAST

2.1 Rainfall Outlook



Several parts of the country are likely to be generally sunny and dry.

Predicted rainfall is likely to be below average over Trans Nzoia, Bungoma, Busia, Kakamega, Siaya, Vihiga, Nandi, Uasin-Gishu, Elgeyo Marakwet, West Pokot, Kisumu, Kericho, Nyamira, Kisii, Bomet, Migori, Homa Bay and parts of Narok, Nakuru, Baringo and Turkana Counties.

Near average rainfall is expected in Lamu, Kilifi, Mombasa, Kwale and parts of Tana River, Mandera, Wajir and Garissa Counties.

Generally sunny and dry conditions with occasional rainfall are expected over Nairobi, Kiambu, Murang'a, Nyeri, Embu, Meru, Tharaka-Nithi, Kirinyaga, Nyandarua, Laikipia, Makueni, Kitui, Machakos, Taita-Taveta, Kajiado, Marsabit and most parts of Wajir, Mandera, Garissa, Narok, Nakuru and Tana River Counties.

Mainly sunny and dry conditions are expected over Isiolo, Turkana and Samburu Counties. See Figure 1.

Figure 1: Rainfall outlook for September 2026

2.2 Temperature Outlook

Mean temperatures are expected to be warmer than average throughout the country more so over Garissa, Wajir, Mandera, Isiolo, Turkana and Samburu counties.

3.0 Wind Forecast for August

Strong southerly to south-easterly/easterly winds, with speeds exceeding 25 knots (12.86 m/s), are expected to occur intermittently during the first half of the month in some parts of Marsabit Turkana, Samburu, Isiolo, Wajir, Mandera, Garissa, Tana River, Kitui, Makueni, Kajiado, Taita Taveta, Kwale, Mombasa, Kilifi and Lamu Counties.

4.0 Health Risk Analysis

Both humans' and animals' health will be at risk in some parts of the country in September. The expected below average to average rainfall expected around the Lake Basin, Western and Near Normal rainfall at the Coast is posing a moderate risk of vector-borne diseases and water-borne diseases in the informal areas.

The expected dry weather conditions may lead to an increase in respiratory diseases in Garissa, Mandera, Marsabit, Isiolo, Taita Taveta, Wajir, and Tana River Counties. Strong winds and dry conditions may lead to dust storms, which may aggravate respiratory problems and increase the risk of eye infections.

Table 1: Health Risk Analysis and Advisory Table

Potential Disease Outbreak/ Destruction/ Loss of lives	Risk level	Region/Area at Risk	Advisory
Vector-Borne Diseases	Malaria	Siaya, Kisumu, Kakamega, Kisii, Homabay, Bungoma, Transnzoia, Busia & Kericho	-Eliminate stagnant water. -Promote insecticide – treated nets. -Conduct targeted spaying in high-risk areas.
	Visceral Leishmaniasis	West Pokot, Wajir, Turkana, Garissa, Mandera County	
	Dengue	Mombasa, Kilifi, Kwale, Lamu, Garissa, Wajir	
	Chikungunya	Mombasa, Kilifi, Kwale, Lamu, Garissa, Wajir	
	Rift Valley Fever	Baringo, Marsabit, Turkana and Wajir (continued surveillance recommended)	
Water-Borne Diseases	Cholera	Lamu, Mandera, Kwale, Mombasa, Siaya, Kisumu and Migori.	-Use clean, boiled, or treated water for drinking and cooking -Avoid walking barefoot in areas with stagnant waters. -Promote handwashing. -Protect water sources from flood contamination.
	Typhoid Fever	Lake Basin, Coast, Rift Valley, and Highlands West of Rift Valley.	
	Diarrhea	Lake Victoria Basin, Coast and informal urban settlements	
Zoonotic Diseases	Anthrax	Vihiga, Tharaka-Nithi, Siaya, Meru, Murang'a, Nairobi and neighboring livestock-keeping areas	-Vaccinate livestock. -Avoid consumption of meat from dead animals. -Strengthen veterinary surveillance.
Low Temperature	Respiratory illnesses and cardiovascular complications	Nairobi, Nyandarua, Laikipia, Nyeri, Kirinyaga, Murang'a, Kiambu, Meru, Embu and Tharaka-Nithi Counties.	- Dress warmly and limit exposure to cold. - Not to use charcoal jikos in poorly ventilated homes because they emit carbon

	(Common cold, Pneumonia, Flu, Bronchitis, influenza, and asthma)			monoxide gas, which can kill if inhaled. -Vaccinate and provide dry, raised animal shelter to prevent pneumonia
Sunny and Dry Weather	Respiratory Infections, Eye Infections, Malnutrition and Heat Stress	High	Garissa, Mandera, Marsabit, Isiolo, Taita Taveta, Turkana, Wajir, Homabay, Kisumu, Baringo and Tana River Counties	-Drink water regularly -Wear light, loose-fitting clothes -Avoid Alcohol and too much caffeine and sugar -Wear a hat or cap and sunglasses Take cool showers or baths
Flooding	Disruption of health services, displacements	Low	Flood-prone areas of the Lake Victoria Basin and Western Counties	-Avoid staying, walking or driving in flooded areas.
Strong Winds and Dust	Respiratory illnesses and eye infections	High	Marsabit Turkana, Samburu, Isiolo, Wajir, Mandera, Garissa, Tana River, Kitui, Makueni, Kajiado, Taita Taveta, Kwale, Mombasa, Kilifi and Lamu Counties.	-Limit outdoor exposure -Put on your mask when it is dusty

3.1 Some Health Tips

The most impactful weather event in September will be sunny and dry conditions; here are some health tips from WHO as shown in Figure 2 below:



Figure. 2: WHO Health Tips during Sunny and Dry weather

4.0 REVIEW OF AUGUST 2026

4.0.1 Climate-Sensitive Human Disease Surveillance Trends

In the month of August 2026, according to reports from NPHI, climate-sensitive disease surveillance across Kenyan counties revealed a decrease in Dengue, Chikungunya cholera and visceral leishmaniasis outbreaks.

4.0.2 Livestock Priority Disease Surveillance

In August, the Kenya Animal Bio-surveillance System (KABS) reported some cases of Contagious Caprine Pleuropneumonia (CCPP) with high morbidities and some cases of mortalities in Baringo, Embu, Kwale and Mandera. Foot and Mouth Disease (FMD) morbidities and some mortalities were reported in Bungoma, Narok, Trans Nzoia, Kwale, Kajiado, Kakamega, Makueni, Wajir, Embu, Kiambu, Mandera and Kisumu.



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