



'PREPARED FOR AN ESCALATION'
Says Ukraine president amid growing concern over Russian military buildup
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ANTIBIOTICS USE IN POULTRY FARMING

RESISTANT BACTERIA raises health alarm

ICDDR,B RESEARCH

Antibiotics used in **41%** of commercial chicken farms within **24** hours preceding of farm visit

Antibiotics usage found highest in broilers farms -- **98%** followed by **88%** in Sonali and **72%** in layer within **14** days of visit

Over eight in every **10** farmers administer antibiotics when chickens become sick

288 broiler, **288** layer and **192** Sonali farms visited

The farms located in **20** upazilas of Gazipur, Chattogram, Cumilla, Joypurhat and Bogura



KEY RECOMMENDATIONS

- Ensuring good farming practices
- Continuous monitoring of antibiotics usage
- Restricting easy access to antibiotics and adopting a guideline

MOUDUD AHMED SUJAN

Antibiotic overuse in poultry farming in Bangladesh is breeding the rise of "superbugs" that cannot be managed with traditional treatments, say multiple studies -- raising the stakes for the government to rein in the use of the drug considered the crown jewel of modern medicine.

A study by the Bangladesh Livestock Research Institute (BLRI) found three serotypes of Salmonella bacteria that were resistant to 17 antibiotics in different percentages in chicken samples collected from 29 wet markets in Dhaka. The resistance ranged from 6.7 to 100 percent.

"This is extremely alarming as it poses a big threat to public health," Mohammed Abdus Samad, lead researcher and head of the AMR Surveillance Laboratory at BLRI, told The Daily Star.

Studies suggest that bacteria that evolve in the guts of poultry and livestock can be passed to humans.

Samad's comment comes on the heels of a recent surveillance study by the Institute of Epidemiology, Disease Control and Research, which found almost all clinically important and widely used antibiotics have lost their effectiveness by more than 50 percent. The study also found five of the most critical medicines listed by the World Health Organisation.

Salmonella is one of the four key global causes of diarrheal diseases in humans, according to the WHO.

The overall prevalence of multiple types of Salmonella was the highest in broiler chickens (8.6 percent), followed by Sonali chickens (6.9 percent) and native chickens (3.1 percent), found the study, whose sample collection took place between February and December 2019.

Of those, 29 bacteria were multidrug-resistant (MDR), 15 were resistant to seven antibiotics, four to eight antibiotics and one to 10 antibiotics.

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Mushfiqur Rahim (C) applauds as Liton Das goes down on his knees to celebrate his maiden Test ton, scored during the opening day's play of Bangladesh's first Test against Pakistan at the Zahur Ahmed Chowdhury Stadium in Chattogram yesterday.

PHOTO: FIROZ AHMED

Mushfiqur, Liton propel Tigers

STAFF CORRESPONDENT

A maiden Test ton by Liton Das and his unbeaten 200-plus stand with Mushfiqur Rahim saw Bangladesh dominate terms against a high-flying Pakistan on the opening day of their first World Test Championship fixture at the Zahur Ahmed Chowdhury Stadium in Chattogram yesterday.

Having recently been dropped from the T20 set-up, both Liton and Mushfiqur made solid statements as the duo's unbeaten 204-run fifth-wicket stand helped Bangladesh amass 253 for four before the day's play ended prematurely due to bad light.

Liton remained unbeaten on 113 off 225 deliveries, a knock that

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BRTC bus fare cut by half for students

With effect from Dec 1

STAFF CORRESPONDENT

In the face of student demonstrations, the government yesterday decided to reduce fares by half for students travelling on state-owned BRTC buses.

Students can go from one place to another by BRTC bus at the discounted fare from December 1.

No decision has yet been made on fares of buses owned by private transport companies. Private buses are a major

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Gone forever

STAFF CORRESPONDENT

Sabrin Kabir Diya is only 10. She can hardly believe her father won't bring her beautiful gifts and delicious food any more.

Before leaving their Sonlibagh home in the capital on Thursday morning, Ahasan Kabir Khan had enquired about her studies and promised to bring her some tasty snacks.

In the afternoon, he was crushed to death near Bashundhara City shopping mall after a garbage truck of Dhaka North City Corporation hit a motorbike from behind.

Ahasan, who was the pillion rider, fell on the street and the truck ran him over, leaving him dead on the spot.

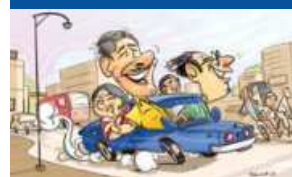
Visiting their flat earlier on Thursday night, it was seen that his family members and a host of relatives were all in deep shock.

Ahasan's ninth grader son Sadman Shahriar was unable to speak immediately. His wife Nadia Parveen was not present at home as she went to the police station for filing a case.

Diya came forward and talked with this correspondent. She was rather enthusiastic to show a new hand-purse that her father bought for her last

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FOUR-WHEELER SPECIAL



The demand for family cars has experienced remarkable growth in recent years as the purchasing power of the middle class continues to increase. There are multiple benefits of owning such a vehicle, particularly for bigger families.

TO KNOW MORE, READ TOMORROW'S NEWSPAPER.



Traffic is snarled up on the road at the capital's Jatra Bari intersection as hawkers have set up makeshift shops occupying almost half of the road. Buses waiting in the area to pick up passengers only worsen the situation. The photo was taken around 11:00am yesterday.

PHOTO: ANISUR RAHMAN

KHALEDA'S CONDITION 'Unpredictable' it remains

Say her physicians

STAFF CORRESPONDENT

The health condition of BNP Chairperson Khaleda Zia is still unpredictable as there are chances of further bleeding, said doctors.

Although there is no incident of fresh bleeding, the physicians are constantly monitoring her condition, they said.

Khaleda's personal physician AZM Zahid Hossain yesterday said, "She needs constant monitoring as there is a chance of bleeding. Her physical condition is still unpredictable."

On an emergency basis, doctors performed endoscopy and colposcopy on her as her condition deteriorated due to internal and external bleeding on

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NEW COVID STRAIN

WHO classifies it as 'variant of concern'

Europe, Asia ramp up border controls

AGENCIES

The World Health Organization (WHO) yesterday designated a new Covid-19 variant detected in South Africa with a large number of mutations as being "of concern," the fifth variant to be given the designation.

The WHO said in a statement that it had assigned the B.1.1.529 variant the Greek letter "Omicron".

Global authorities yesterday reacted with alarm to the new variant, with the EU, Britain and India among those tightening border controls as researchers sought to find out if the mutation was vaccine-resistant.

Hours after Britain banned

flights from South Africa and neighbouring countries and asked travellers returning from there to quarantine, the WHO cautioned against hasty measures.

One South African scientist expert labelled London's decision a symptom of "vaccine apartheid", though European Commission chief Ursula von der Leyen said the EU also aimed to halt air travel from the region and several other countries including India, Japan and Israel toughened curbs.

In Washington, top US infectious disease official Anthony Fauci said no decision had been made on a possible US travel ban.

There was no indication that the variant was in the United

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সমৃদ্ধির পথে
সবার সাথে

Bank Asia