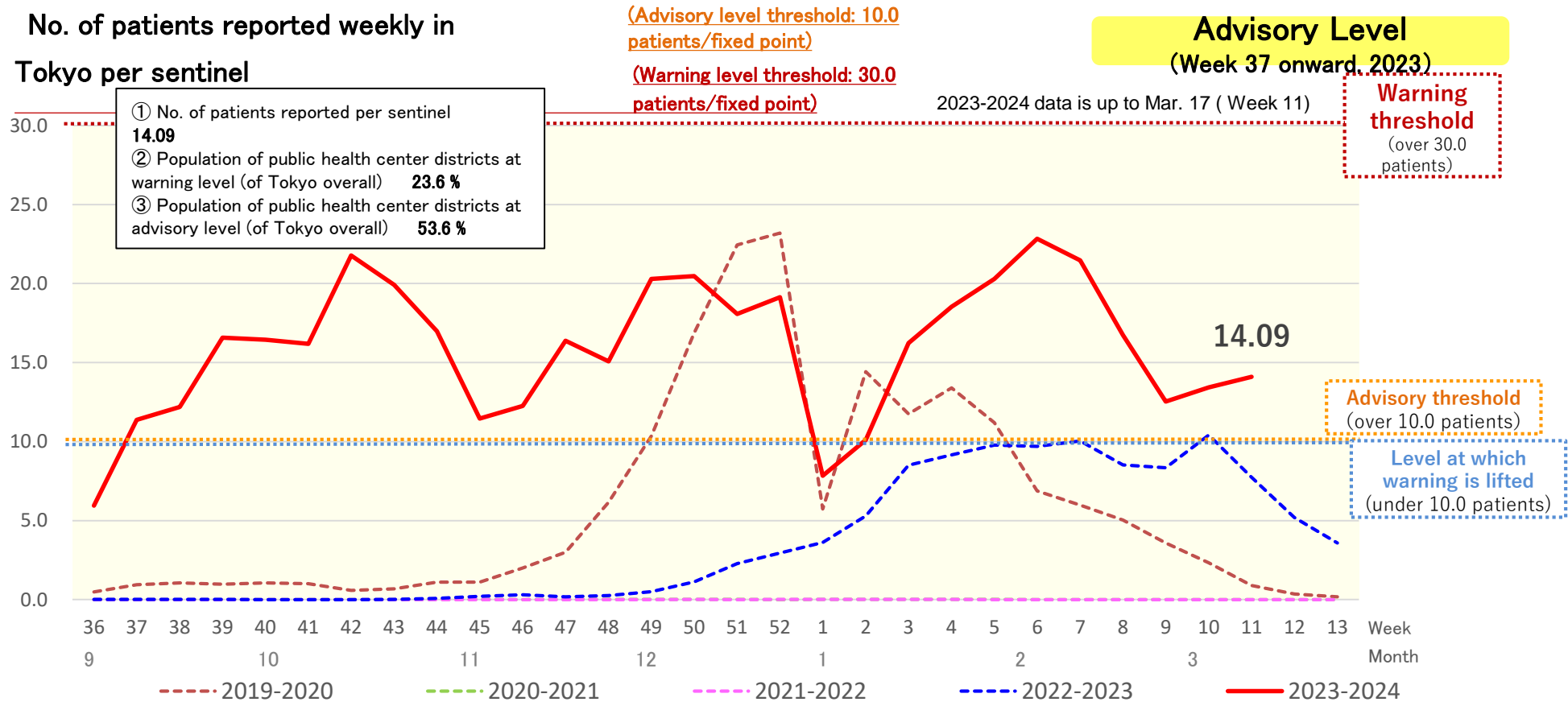


Influenza Transmission

No. of patients reported weekly in Tokyo per sentinel



***Advisory level retained**

In the 11th week of 2024, the number of reported patients per sentinel was 14.09, exceeding the level of 10.0 at which the warning is lifted, and the number of public health center districts over the advisory threshold was 6 with 23.6% of Tokyo's population, and not satisfying the 30.0% threshold. Therefore, **the advisory level is retained.**

➤ **Take all infection prevention measures including **masking up** where appropriate, **handwashing**, and **ventilation!****

Measles and Rubella - Class 5 Infectious Disease -

Measles Symptoms

Ref: Tokyo Metropolitan Infectious Disease Surveillance Center website, National Institute of Infectious Diseases website, MHLW Contact Office (Feb. 26, 2024)

Symptoms	<ul style="list-style-type: none">• Following a latency period of 10–12 days, there is fever and cold symptoms (cough, runny nose, bloodshot eyes, etc.) for 2–4 days, then high fever over 39°C together with an outbreak of measles rash• Main symptoms are fever, measles rash, cough, runny nose, bloodshot eyes, etc.• Typically, recovery occurs in 7–10 days, but complications with serious symptoms can arise, such as pneumonia and encephalitis, etc.
Infection pathways	<ul style="list-style-type: none">• Airborne, droplets, contact (person-to-person transmission)• Infectivity extremely strong, almost 100% of those without immunity are infected• Over 90% of infected people develop symptoms <p>*Measles is most infectious before symptoms onset</p>
Overseas epidemic situation	<ul style="list-style-type: none">• In Europe, the cases reported were 30 times greater than the number of cases reported the previous year, and serious cases needing hospitalization and deaths are confirmed.• Southeast Asia, where many visitors to Japan come from, is a region with one of the highest cases of measles reported worldwide.• There are reports of cases where infection from imported cases of the disease coming into Japan is suspected, adding concern of a rise in import cases and transmission in Japan in the future.

Measles and Rubella – Infections Trends in Tokyo and Japan -

Several cases of measles reported in Japan

○ Confirmed a measles case of a passenger on board Etihad Airways Flight 830 arriving on Feb. 24, 2024, from UAE to Kansai International Airport

(Announced on Mar. 1 by the Osaka Prefectural Government)

○ Number tested positive concerning to the above: 10 people

(Announced on Mar. 13 by the Osaka Prefectural Government)

Infection trends in Tokyo

○ Confirmed a measles case of a person traveling in Tokyo, who was onboard the same plane as the measles patient reported on Mar. 1, 2024, by Osaka. (Announced on Mar. 11)

○ A measles case of a child under 5 residing in Tokyo with a history of overseas travel

(South Asia) (Announced on Mar. 12)

○ Confirmed 5 measles cases in Tokyo from Feb. 2024 (Announced on Mar. 22)

● If signs of measles (fever, rash, cough, runny nose, bloodshot eyes, etc.) appear, **be sure to contact a medical facility beforehand and tell them there is a suspected case of measles.**

● When seeing a doctor, **avoid using public transportation and follow the instructions of the medical facility.**

Measles and Rubella - Prevention Measures · Immunization -

Measles and rubella are vaccine-preventable diseases.
Getting vaccinated is something you can do to stop them!

• Two shots result in antibodies in around 99% of people, giving sustained immunity

Eligibility for Scheduled Immunization

- Stage 1: 12-24 months
- Stage 2: 5-6 years of age and before starting school (older kindergarten children)

• The MR vaccination consists of one shot at each stage.
• Your municipality will send you a vaccination voucher with guidance as to where to receive the vaccine.

▶ Inquire to your municipality

TMG Initiative

- Subsidy system for measles immunization

A system of receiving vaccination at a lower cost than the normal cost using the municipality's subsidy is available for those who have not received their scheduled immunization.

Link:

https://www.hokeniryo.metro.tokyo.lg.jp/kansen/measles-rubella/mashinfuusin_information.html



麻しん(はしか)・風しんワクチン

合計2回の
ワクチン接種を
忘れずに受けましょう

1歳に
なったら
まず1回

小学校
入学前に
もう1回

1回目は1歳になってから2歳になるまで
2回目は小学校入学前の1年間で
それぞれ接種をお願いします。

なぜ、予防接種が必要なの…?

麻しん(はしか)及び風しんを予防するためには、予防接種が最も有効な方法だからです。
例えば、麻しんは感染力が強く空気感染しますので、手洗い・マスクのみでは予防できません。
1回の予防接種では免疫がつかない人もいますので、2回の接種が大切です。

各地で麻しんが発生しています。予防接種はお早めに!

麻しん(はしか)とは
症状が現れた後、39℃以上の高熱と発疹が出現します。重症に感染力の強い感染症です。肺炎や中耳炎を合併しやすく、年々1,000人以上が重症で感染が報告されており、空気感染もします。

風しんとは
発熱や倦怠、リンパ節の腫れなどが現れる感染症です。合併症として、脳炎や聴覚障害などにも起こることがあります。妊婦発症には免疫のない女性が感染した場合、胎児や新生児に先天性の障害を引き起こす可能性があります。

お子さまの健康が気になるときだからこそ、予防接種は計画的に受けましょう。
麻しん(はしか)・風しんの接種については、裏面記載の窓口にお尋ねください。

東京都保健医療局 東京都医師会

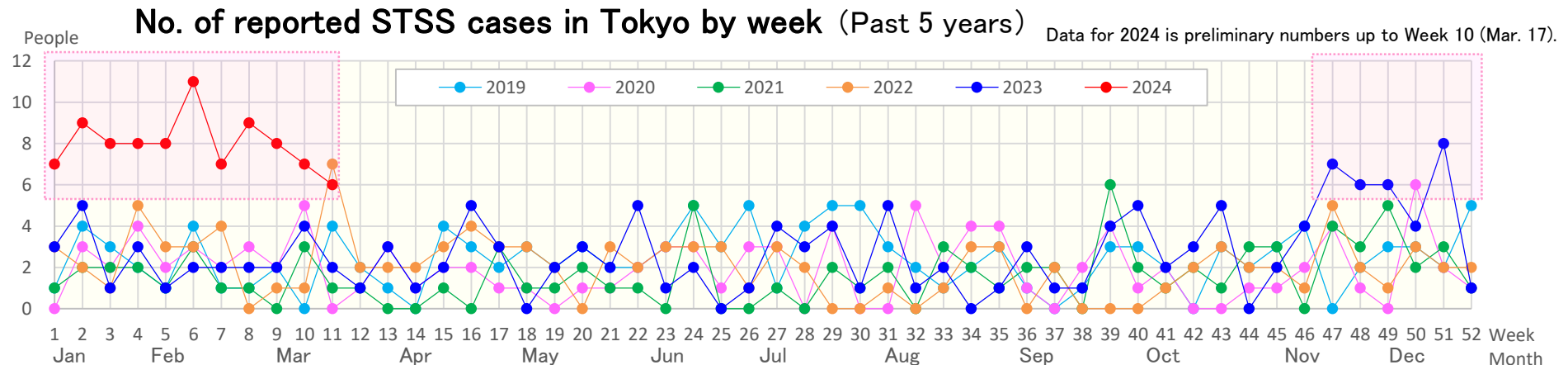
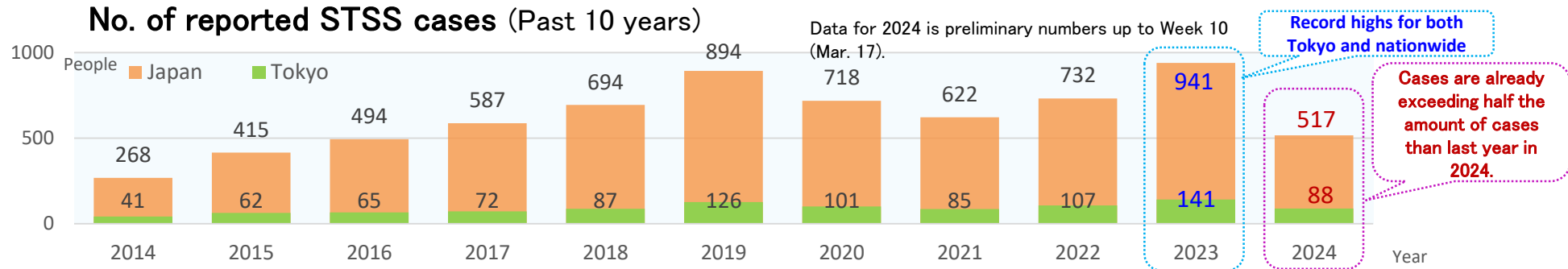
Check your vaccination records and consider receiving an antibody test and vaccination.

Streptococcal Toxic Shock Syndrome (STSS) – Class 5 Infectious Disease –

Ref.: National Institute of Infectious Diseases website,
Tokyo Metropolitan Infectious Disease Surveillance Center website

About Streptococcal Toxic Shock Syndrome

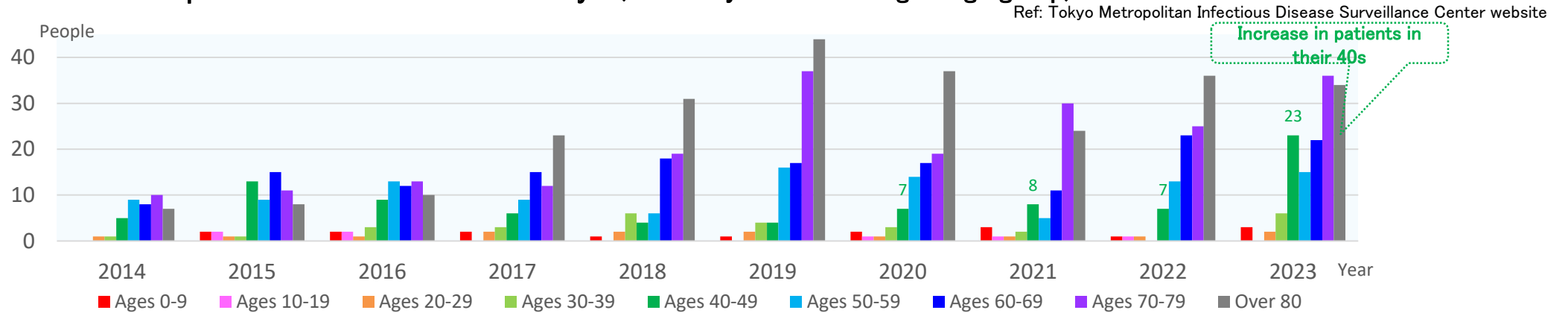
- Group A strep bacteria, Group B, C, and G strep bacteria cause STSS.
- Streptococcal Toxic Shock Syndrome (STSS), which is caused by β -hemolytic streptococci, starts suddenly and leads to septic shock and results in multiple organ failures.
- As many as **3 out of 10 people with STSS die**, making STSS an infectious disease with an extremely high mortality rate.
- **The number of patients in 2023 was 941 cases nationwide, among them 141 cases were in Tokyo, with both being record highs.**



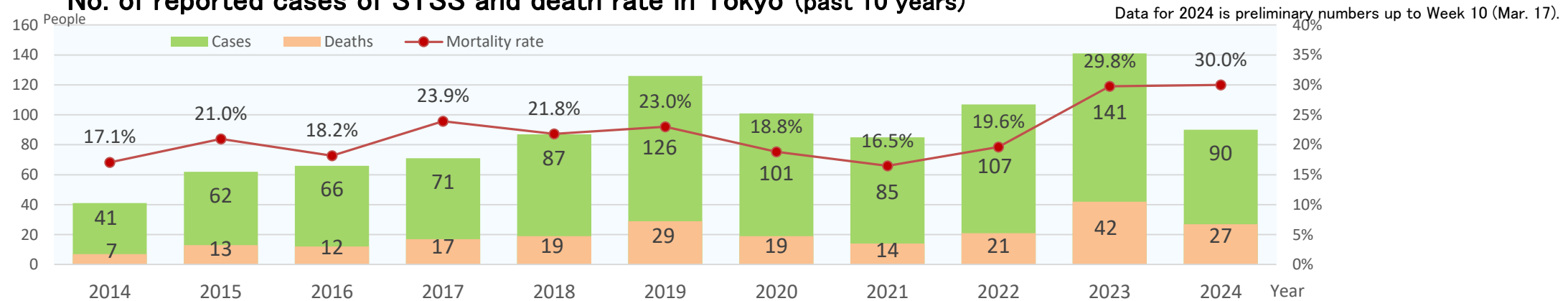
* **Reported cases from mid-November 2023 per week: Increase in frequency exceeding 6 cases**

Streptococcal Toxic Shock Syndrome (STSS) – Class 5 Infectious Disease –

No. of reported cases of STSS in Tokyo (Past 10 years according to age group)



No. of reported cases of STSS and death rate in Tokyo (past 10 years)



Situation of cases in Tokyo

- People of all ages can become infected with STSS but most infections occur in adults.
- For the past 10 years in Tokyo, 90% of all cases are people over 40 each year.
- Compared to previous years, 2023 saw a significant increase in cases of people in their 40s. (2022: 7 cases ⇒ 2023: 23 cases)
- Of the 142 cases in Tokyo, there were 42 deaths in 2023. (1 in their 30s, 7 in their 40s, 2 in their 50s, 6 in their 60s, 11 in their 70s, and 15 patients aged 80 and older)

Streptococcal Toxic Shock Syndrome (STSS) – Class 5 Infectious Diseases –

Analysis of the Isolated strain (M1uk strain) of Group A Streptococcus

Ref: National Institute of Infectious Diseases website, MHLW Contact Office

○ From July 2023, reported cases of STSS caused by Group A Streptococcus have increased in Japan, especially among people under 50.

In addition, an increase in reported cases of group A hemolytic streptococcal pharyngitis at fixed points and a regional accumulation of the M1UK strain have been confirmed.

○ The **M1uk strain may be causing the increase of STSS** because it is a highly transmissible strain among the group A hemolytic streptococcus strains and has seen a rise in the United Kingdom since 2010.

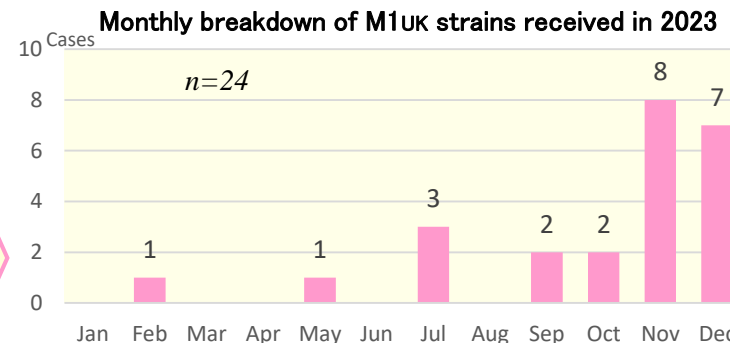
○ When an outbreak of STSS occurs, Japan issues an administrative circular to **conduct strain analysis, etc.** (Jan. 17, 2024)

⇒ **Strain analyses are conducted at the Tokyo Metropolitan Institute of Public Health as well.**



Situation of STSS-derived strains received from medical facilities in Tokyo

Received in 2023	
STSS cases	133
<i>S. pyogenes</i>	76
<i>emm</i> 1 type	26
M1UK(+)	24
M1UK(-)	2



Source: Tokyo Metropolitan Institute of Public Health

Received in 2024 (as of Feb. 21)	
STSS cases	23
<i>S. pyogenes</i>	16
<i>emm</i> 1 type	12
M1UK(+)	12
M1UK(-)	0

- Since STSS cases have increased from mid-November 2023, the number of M1UK strain cases detected has increased as well.
- In less than 2 months in 2024, the number of M1UK strain cases detected reached 50% (12 cases) of cases detected in 2023.
- In Tokyo, the increase in the M1UK strain may be linked to the rise in STSS cases.

Streptococcal Toxic Shock Syndrome (STSS) – Class 5 Infectious Diseases –

TMG's response situation

○ On Feb. 29, Tokyo iCDC's Public Meeting on the Response to STSS in the Future was held.

【Main opinions from experts】

- The method of gathering information from medical facilities needs to be reviewed.
 - ⇒ Since the information collected is not recorded on an outbreak notification, information must be collected individually from selected survey items of Tokyo and medical facilities. ⇒ Analyze transmission trends using Tokyo iCDC's knowledge.
- A plan of how to inform medical facilities is needed.
 - ⇒ Update information on STSS in the Tokyo Infectious Diseases Manual and hand it out to medical facilities.

STSS Symptoms

Ref.: National Institute of Infectious Diseases website, Tokyo Metropolitan Infectious Disease Surveillance Center website

- Initial symptoms include pain in the extremities, bloating, fever, decrease in blood pressure, etc.
- Since the onset of symptoms, STSS develops very rapidly and drastically.
- The disease causes soft tissue necrosis, acute kidney failure, adult respiratory distress syndrome (ARDS), multiple organ failure (MOF), etc. within dozens of hours after symptoms appear.
- STSS often leads to death from a state of shock.
- STSS is mainly transmitted by airborne droplets and contact, but may also be transmitted from wounds on the hands, feet, etc.

If signs of an infection such as pain in the extremities, bloating, and fever are seen,

⇒ **Seek a medical facility immediately**