



URGENT FIELD SAFETY NOTICE

MiniMed™ Paradigm™, MiniMed™ 600 series, and MiniMed™ 700 series insulin pump systems

Pump Delivery Volume Accuracy (DVA) during Changes in Air Pressure Notification

Insulin Pump	Model/CFN Number
Paradigm™	MMT-554, MMT-715, MMT-722, MMT-754
MiniMed™ 640G Insulin Pump	MMT-1711, MMT-1712, MMT-1751, MMT-1752
MiniMed™ 670G Insulin Pump	MMT-1761, MMT-1762, MMT-1781, MMT-1782
MiniMed™ 720G Insulin Pump	MMT-1809, MMT-1810, MMT-1859, MMT-1860
MiniMed™ 740G Insulin Pump	MMT-1811, MMT-1812, MMT-1861, MMT-1862
MiniMed™ 770G Insulin Pump	MMT-1881, MMT-1882, MMT-1891, MMT-1892
MiniMed™ 780G Insulin Pump	MMT-1885, MMT-1886, MMT-1895, MMT-1896 <i>[For countries with EU MDR approved pump released: Include GTIN and UDI information]</i>

February 2025

Medtronic reference: FA1446

Dear Medtronic Diabetes Community member,

Medtronic is contacting you about an "Urgent Field Safety Notice" regarding your MiniMed™ insulin pump. During quality testing performed by Medtronic, we recently found that changes in air pressure can cause unintended insulin delivery. For example, air pressure in an airplane can change rapidly during flight, which may cause expansion of tiny air bubbles inside the insulin reservoir.

Issue Description:

- When **air pressure decreases** (e.g., during flight takeoff), more insulin may be released than expected. Additionally, **unintended insulin** may be released even if the pump's delivery is suspended or programmed to zero units per hour.
- When **air pressure increases** (e.g., during landing), less insulin may be released than expected.

Risk to Health

Medtronic

The changing air pressure conditions could result in more insulin being delivered during flight takeoff, potentially leading to hypoglycemia, or less insulin being delivered during flight landing, potentially leading to hyperglycemia.

Between July 2003 and May 2024, Medtronic received 138 complaints potentially related to this issue, 19 of which reported serious injuries, but none were confirmed to be related to this issue.

It is important to monitor your glucose frequently while flying and be prepared to treat hypoglycemia or hyperglycemia. Individuals with lower daily insulin doses and those with high insulin sensitivity may experience greater changes in glucose during changes in air pressure than individuals with higher insulin doses and/or lower insulin sensitivity. If you are unsure as to whether this applies to you, it is important that you seek your healthcare professional's treatment guidance.

Recommended Actions for Pump Users:

1. **Monitor Your Glucose Levels:** Check your glucose frequently during activities like air travel, amusement park rides, or other situations where sudden changes or extremes of air pressure, altitude, or gravity may occur.
2. **Discuss how to prepare for situations like this with your healthcare professional.** Keep an emergency kit with rapid-acting glucose and backup insulin therapy available at all times.
3. **Respond to Alerts and Symptoms:** Pay attention to any alerts from your pump as well as symptoms of hypoglycemia or hyperglycemia. Follow your healthcare professional's treatment instructions in these situations.

Please acknowledge that you have read and understood this updated notification and have followed the actions listed in this letter.

As always, we are here to support you and ensure we are delivering the highest quality products possible. If you have further questions or need assistance, please call our Helpline / your Medtronic contact.

Sincerely,

Dirk Gey Van Pittius
Medtronic Africa Quality and Regulatory Affairs