

XG vs Mortality 3:3

Simplifyed version

References (Mikael Åberg, Sep 25, 2025)

Liechtenstein – 4G+ Upgrade

*EMRate-OWD-L Human Mortality Database (2024); World Mortality Dataset (2024); Karlinsky and Kobak (2021);
(Liechtenstein) Human Mortality Database (2024); World Mortality Database (2024) – processed by Our World in Data, <https://ourworldindata.org/grapher/excess-mortality-p-scores-average-baseline?country=~LIE>

*1 «Telenor Connexion adds Germany, Switzerland and Liechtenstein to its LTE-M roaming portfolio» *Telenor IoT* (press release), Dec 22. 2020 (Jan 3. 2025), <https://iot.telenor.com/press-release/telenor-connexion-adds-germany-switzerland-and-liechtenstein-to-its-lte-m-roaming-portfolio/>

*2 «2G-3G sunset» *Onomodo* (blog), - (Sep 24. 2024), <https://onomondo.com/blog/2g-3g-sunset/>

Liechtenstein – 5G Halt

*EMRate-Estat «Deaths by week and sex» *Eurostat, European Union (statistics)*, Feb 27. 2025 (Sep 24. 2025),
(Liechtenstein) https://ec.europa.eu/eurostat/databrowser/view/demo_r_mwk_ts_custom_15732208/default/table?lang=en

*A «5G in Liechtenstein gains ground» *Operator Watch* (blog), Mar 21. 2024, (Sep 11. 2024), <https://www.operatorwatch.com/2024/03/5g-in-liechtenstein-gains-ground.html>

*B «5G wird in Liechtenstein ausgebrems» *Radio Liechtenstein* (news article), Sep 18. 2024 (Dec 31. 2024), <https://www.radio.li/p/5G-wird-in-Liechtenstein-ausgebremst-4CzE7T0oNAhAI2U4aJilhm>

*C «5G Observatory report 2025» *European Commision (Report)*, Aug 12, 2025, (Sep 24. 2025), <https://digital-strategy.ec.europa.eu/en/policies/5g-observatory-2025>

Romania – 5G Start

*EMRate-OWD-R Human Mortality Database (2024); World Mortality Dataset (2024); Karlinsky and Kobak (2021);
(Romania) Human Mortality Database (2024); World Mortality Database (2024) – processed by Our World in Data, <https://ourworldindata.org/grapher/excess-mortality-p-scores-average-baseline?country=~ROU>

*1 «US and Romania agree on defence cooperation roadmap» *Army Technology* (news article), Oct 9. 2020 (Feb 18. 2025), <https://www.army-technology.com/news/us-romania-defence-cooperation-roadmap/>

*2 Radu Marinas Editing by Mark Potter «Romanian president signs bill into law to ban Huawei from 5G» *Reuters* (press release), Jun 11, 2021 (Feb 18. 2025), <https://www.reuters.com/business/media-telecom/romanian-president-signs-bill-into-law-ban-huawei-5g-2021-06-11/>

*3 Petre Barac «Cristin Popa, ANCOM: “Big cities in Romania already benefit from 5G technology” » *The Diplomat Bucharest* (news article), Nov 24. 2021 (Feb 18. 2025), <https://www.thediplomat.ro/2021/11/24/cristin-popa-ancom-big-cities-in-romania-already-benefit-from-5g-technology/>

*4 Simon Johnson and Supantha Mukherjee; editing by Barbara Lewis «Nokia says has launched legal challenge to 5G exclusion in Romania» *Reuters* (news article), Mar 31. 2022 (Feb 18. 2025), <https://www.reuters.com/business/nokia-says-has-launched-legal-challenge-5g-exclusion-romania-2022-03-31/>

Romania – R-A-R (Rip-and-Replace)

- *37c «Orange Romania expands 5G to 37 cities» *European 5G Observatory*, Aug 30. 2023 (Feb 20. 2025), <https://5gobservatory.eu/orange-romania-expands-5g-to-37-cities/>
- *A Iain Morris «Vodafone, Orange face 5G rip-and-replace as Romania bans Huawei» *LightReading (news article)*, Mar 4. 2024 (Feb 18. 2025), <https://www.lightreading.com/5g/vodafone-orange-face-5g-rip-and-replace-as-romania-bans-huawei>
- *B Paul Lipscombe «Huawei sues Romanian state after 5G networks snub» *DCD (news article)*, Apr 12. 2024 (Feb 18. 2025), <https://www.datacenterdynamics.com/en/news/huawei-sues-romanian-state-after-5g-networks-snub/>
- *C Telecom TV Staff «2G and 3G Shutdowns Continue» *Telecom TV Open Ran (news article)*, May 22. 2024 (Feb 24. 2025), <https://www.telecomtv.com/content/open-ran/what-s-up-with-orange-vodafone-vodafone-idea-ai-safety-50434/>
- *D «Orange and Vodafone expand Open RAN pilot in Romania» *European 5G Observatory (press release)*, May 29. 2024 (Feb 20. 2025), <https://5gobservatory.eu/orange-and-vodafone-expand-open-ran-pilot-in-romania/>
- *E Ray Le Maistre «Vodafone's massive network refresh will be a bellwether for Open RAN» *Telecom TV Open Ran (news article)*, Jan 31. 2025 (Feb 24. 2025), <https://www.telecomtv.com/content/open-ran/vodafone-s-massive-network-refresh-will-be-a-bellwether-for-open-ran-52238/>
- *F Dr. Alexandra Pele «România a redus procentul componentelor chinezești din rețelele 5G de la 61% la 44% Probleme în Europa» *CursDeGuverne (news article)*, Mar 19. 2025, (Mar 31. 2025), <https://cursdeguvernare.ro/romania-a-redus-procentul-componentelor-chinezesti-din-retelele-5g-de-la-61-la-44-probleme-in-europa.html>
- *40c Srik Apardhi «Huawei sues Romanian state after 5G networks snub» *TelecomTalk (news article)*, Aug 7. 2024 (Jun 27. 2025), <https://telecomtalk.info/orange-romania-expands-5g-network-to-botosani/979911/>

*Low cover 2024 «Romania Mobile Network Experience Report January 2025» *OpenSignal (report)*, Jan. 2025 (Feb 20. 2025), <https://www.opensignal.com/reports/2025/01/romania/mobile-network-experience>