Causes of supply disruptions – Austria*

- Quality issues: 25.15%
- Delay in manufacturing or during the release of the finished product: 26.90%
- Capacity constraints at manufacturing site: 6.43%
- Transfer of manufacturing to alternative site: 3.51%
- Shortage or delay of release of the active substance: 11.70%
- Batch recall: 2.34%
- Increased demand: 1.17%
- Regulatory changes: 1.17%
- GMP related issues: 1.17%
- Further supply not planned: 1.17%
- Other reasons: 1.17%
- Cybercrime: 1.17%

Source: BASG

*based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Belgium*

**BELGIUM**

- **Production problems**: 24%
- **New batch(es) not available yet**: 4%
- **Packaging problems**: 3%
- **Logistics problems**: 1%
- **FMD Serialisation**: 1%
- **Temporary suspension of commercialisation**: 65%

Source: FAGG/AFMPS

*based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Croatia*

Production problems: 48,24%
Discontinued marketing: 1,51%
Quality issues: 2,01%
Other reasons: 1,51%

Source: HALMED

*Based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Czech Republic*

**CZECH REPUBLIC**

- **Capacity/distribution issues**: 36.02%
- **Commercial/marketing reasons**: 11.35%
- **Problem with connecting to the EU Hub**: 1.97%
- **Logistical problems**: 0.22%
- **Regulatory changes**: 0.22%
- **Increased demand**: 0.87%
- **Manufacturing issues**: 49.13%

Source: SUKL

*Based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU".
Causes of supply disruptions – France*

- Manufacturing problems: 44%
- Problems of supply of raw materials: 17%
- Modifications of Marketing Authorisations: 18%
- Other reasons: 13%
- Quality issues: 8%

*Source: ASNM 2015

*based on publicly available data from official sources.
Causes of supply disruptions – Germany*

- Manufacturing problems (not further specified): 75.91%
- Quality issues: 6.36%
- Problems of supply of raw materials: 3.18%
- Increased demand: 6.80%
- Other reasons: 5.00%

Source: BFARM

*based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Hungary*

- Manufacturing problems: 26.50%
- Market considerations: 3.65%
- Increased demand: 2.41%
- Problems of supply of raw materials: 0.34%
- Other reasons: 1.45%
- Administrative reasons: 2.48%
- Shipping or storage issues: 63.18%

*Based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU".

Source: OGYEI
Causes of supply disruptions – Ireland*

- **API issue (impurity or unavailability)**: 28.13%
- **(Unexpected) increase in demand**: 43.13%
- **Manufacturing issue**: 15.00%
- **No reason given**: 13.13%
- **Manufacturing delay**: 0.63%

*based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Italy*

*based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Norway*

*Based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU".
Causes of supply disruptions – Romania*

ROMANIA

- 68.66% Commercial/marketing reasons
- 29.97% Production issues
- 0.82% Market withdrawal

Source: ANMDM

*based on analysis of publicly available data. Database used can be found in the "list of shortages databases EU"
Causes of supply disruptions – Spain*

*based on analysis of publicly available data from official sources.

- Manufacturing problems: 49.00%
- Problems of supply of raw materials: 15.00%
- Quality issues: 19.00%
- Discontinuous Manufacturing: 5.00%
- Parallel Trade: 1.00%
- Other reasons: 2.00%
- Increased demand: 9.00%