

# ESMO'S ACTIVITIES TO IMPROVE ACCESS TO CANCER MEDICINES

**Rosa Giuliani, Chair of the ESMO Global Policy Committee**

WHO EML Selection Committee Meeting, Open Session  
1 April 2019, Geneva, Switzerland



# ESMO IN A NUTSHELL

Europe's leading Medical Oncology Society

**ESMO is the leading European professional organisation for medical oncology.**

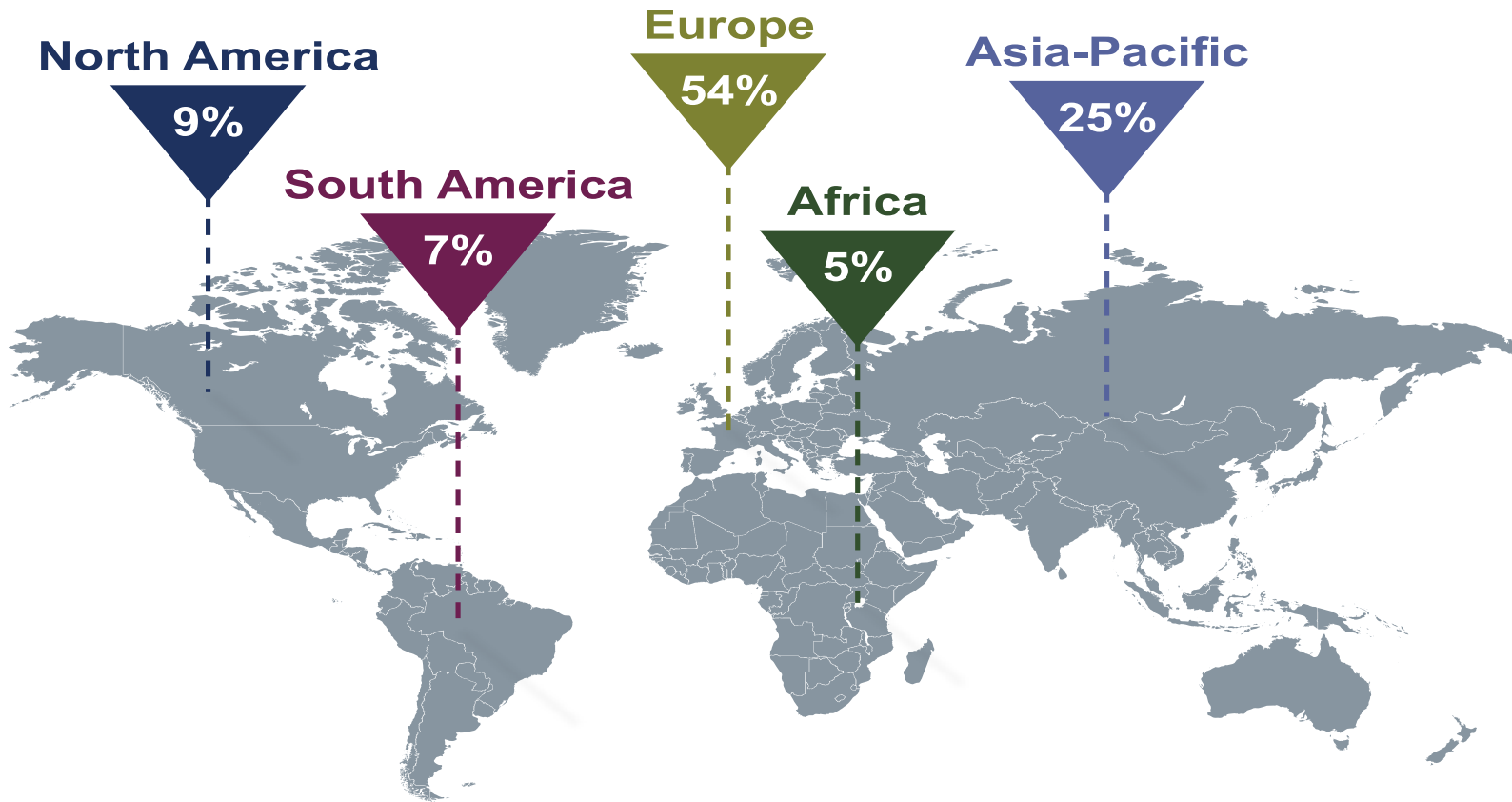
**ESMO works across Europe and around the world to erase boundaries in cancer care and to provide medical oncology education within an integrated approach to cancer care.**





# ESMO MEMBERS

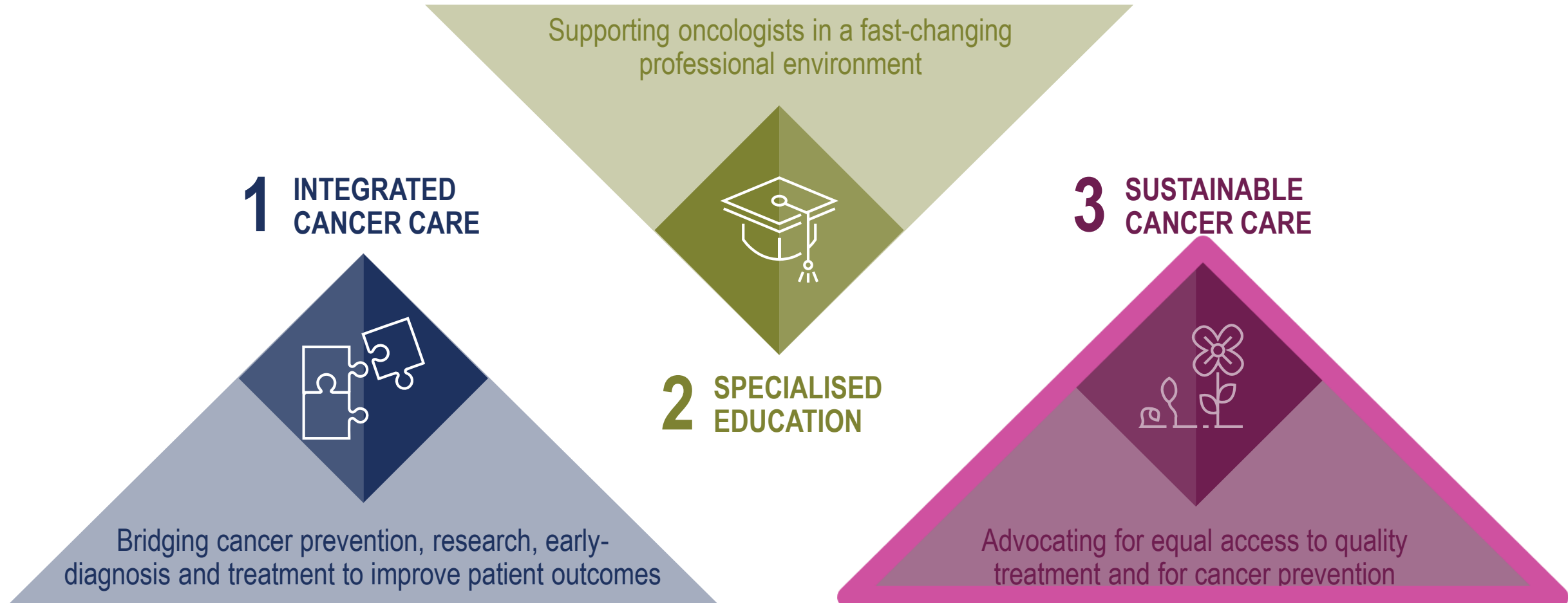
A global community



- ▶ > 20,000 members
- ▶ > 150 countries
- ▶ Reciprocity agreements with 41 national oncology societies
- ▶ Nearly 600 experts across committees

# ESMO'S 2020 VISION

Securing the best possible outcomes for people with cancer



# 2018 GLOBAL CANCER OBSERVATORY DATA: THE CANCER BURDEN IS GROWING EXPONENTIALLY

The **global cancer burden** has risen to **18.1 million new cases** and **9.6 million cancer deaths**.

It is estimated that:

- One-in-five men will develop cancer and one-in-eight will die.
- One-in-six women will develop cancer and one-in-eleven women will die.

The majority of cases will be in low- and middle-income countries.

[http://www.iarc.fr/en/media-centre/iarcnews/2018/gco\\_globocan2018.php](http://www.iarc.fr/en/media-centre/iarcnews/2018/gco_globocan2018.php)



# COLLABORATION IS KEY: SINCE 2013 ESMO HAS 'OFFICIAL RELATIONS STATUS' WITH THE WHO



1 Special Sessions with the WHO at ESMO congresses

2 **Collaboration with the WHO on ESMO cancer medicines initiatives:**

- 2013 ESMO Opioid Survey
- 2015 ESMO Antineoplastic Medicines Survey

3 **Supporting WHO and UN resolutions and initiatives:**

- 2013-2020 WHO Global Action Plan on Non-communicable Diseases
- 2015 WHO Model List of Essential Medicines review
- 2017 WHO Cancer Resolution
  - Oncology Workforce; National Cancer Control Plans; Global Cancer Report
- 2018 WHO Global Childhood Cancer Initiative
- 2018 UN High-Level Meeting on Non-communicable Diseases
- 2019 WHO Elimination of Cervical Cancer Initiative
- 2019 WHO Model List of Essential Medicines review
- 2019 UN High-Level Meeting on Universal Health Coverage

# ENSURING ACCESS TO CANCER MEDICINES: A CRITICAL ISSUE FOR MEDICAL ONCOLOGISTS



To treat patients according to the **ESMO Clinical Practice Guidelines**, medical oncologists need access to the cancer medicines recommended.



In Europe, ESMO works closely with the European Medicines Agency and the European Network of Health Technology Assessment to **harmonise the approval and reimbursement process for cancer medicines.**



Internationally, ESMO has conducted surveys on the **availability of cancer medicines, including opioids,** and has proposed **recommendations** on how to reduce the barriers.



**ESMO keeps its members updated on the latest in personalised medicine, immunotherapies and biosimilars in a rapidly-advancing landscape of new cancer treatments.**

# ESMO CANCER MEDICINES SURVEY EUROPE: WHO EML AVAILABILITY (1)



|                        | Bleomycin |     | Capecitabine |        | Carboplatin |      |      | Cisplatin |         |     | Cyclophosphamide |     | Docetaxel |     |          | Doxorubicin |     |         | Etoposide |      |
|------------------------|-----------|-----|--------------|--------|-------------|------|------|-----------|---------|-----|------------------|-----|-----------|-----|----------|-------------|-----|---------|-----------|------|
| Country:               | GCT       | CRC | MBC          | Adj BC | Ovarian     | Lung | Lung | Sarcoma   | Ovarian | GCT | Adj BC           | MBC | Adj BC    | MBC | Prostate | Adj. BC     | MBC | Sarcoma | GCT       | Lung |
| Austria                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Belgium                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Cyprus                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Czech Republic         |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Denmark                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Finland                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| France                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Germany                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Greece                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Holland                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Hungary                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Iceland                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Ireland                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Israel                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Italy                  |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Luxembourg             |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Norway                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Portugal               |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Spain                  |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Sweden                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Switzerland            |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Turkey                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| United Kingdom         |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Albania                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Armenia                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Belarus                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Bosnia and Herzegovina |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Bulgaria               |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Croatia                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Estonia                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Georgia                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Kazakhstan             |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Kosovo, Republic of    |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Kyrgyzstan             |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Latvia                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Lithuania              |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Macedonia              |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Malta                  |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Montenegro             |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Poland                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Romania                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Russian Federation     |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Serbia                 |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Slovenia               |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Slovakia               |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Turkmenistan           |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Ukraine                |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |
| Uzbekistan             |           |     |              |        |             |      |      |           |         |     |                  |     |           |     |          |             |     |         |           |      |





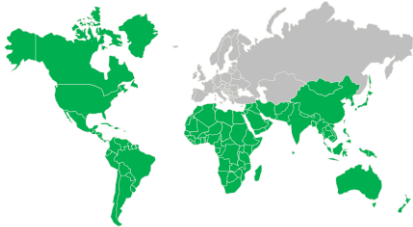
# ESMO CANCER MEDICINES SURVEY EUROPE: WHO EML AVAILABILITY (2)



|                        | 5-FU    |     |     | Gemcitabine |      | Ifosfamide |         | Imatinib | Irinotecan | MTX    | Oxaliplatin | Paclitaxel |        |     |      | Trastuzumab |     | Vinblastine | Vinorelbine |     |
|------------------------|---------|-----|-----|-------------|------|------------|---------|----------|------------|--------|-------------|------------|--------|-----|------|-------------|-----|-------------|-------------|-----|
| Country:               | Adj. BC | MBC | CRC | Ovarian     | Lung | GCT        | Sarcoma | GIST     | CRC        | Adj BC | CRC         | Ovarian    | Adj BC | MBC | Lung | Adj.BC      | MBC | GCT         | Lung        | MBC |
| Austria                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Belgium                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Cyprus                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Czech Republic         |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Denmark                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Finland                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| France                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Germany                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Greece                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Holland                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Hungary                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Iceland                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Ireland                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Israel                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Italy                  |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Luxembourg             |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Norway                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Portugal               |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Spain                  |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Sweden                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Switzerland            |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Turkey                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| United Kingdom         |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Albania                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Armenia                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Belarus                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Bosnia and Herzegovina |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Bulgaria               |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Croatia                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Estonia                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Georgia                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Kazakhstan             |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Kosovo, Republic of    |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Kyrgyzstan             |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Latvia                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Lithuania              |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Macedonia              |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Malta                  |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Montenegro             |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Poland                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Romania                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Russian Federation     |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Serbia                 |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Slovenia               |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Slovakia               |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Turkmenistan           |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Ukraine                |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |
| Uzbekistan             |         |     |     |             |      |            |         |          |            |        |             |            |        |     |      |             |     |             |             |     |

|  |               |
|--|---------------|
|  | Always        |
|  | Usually       |
|  | Half the time |
|  | Occasionally  |
|  | Never         |
|  | Not available |
|  | Missing data  |

# ESMO CANCER MEDICINES SURVEY INTERNATIONAL: WHO EML AVAILABILITY



| Level Economic Development | Country:             | Anastrozol | Bleomycin | Capecitabine | Carboplatin | Cisplatin | Cyclo (IV) | Cyclo (tab) | DTIC | Docetaxel | Doxorubicin | Epirubicin | Etoposide (IV) | 5-FU | Ifosfamide | Irinotecan | MTX (IV) | MTX (tab) | Oxaliplatin | Paclitaxel | Tamoxifen | VBL | VCR | Trastuzumab | Imatinib |
|----------------------------|----------------------|------------|-----------|--------------|-------------|-----------|------------|-------------|------|-----------|-------------|------------|----------------|------|------------|------------|----------|-----------|-------------|------------|-----------|-----|-----|-------------|----------|
| High Income                | Argentina            |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Australia            |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Canada               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Chile                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Cyprus               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Israel               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Japan                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Korea, South         |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Kuwait               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | New Zealand          |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Oman                 |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Qatar                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Saudi Arabia         |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Singapore            |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | United Arab Emirates |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | USA                  |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Uruguay              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Venezuela            |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
| Upper middle Income        | Algeria              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Brazil               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | China                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Colombia             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Cuba                 |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Dominican Republic   |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Ecuador              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Iran                 |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Iraq                 |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Jordan               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Kazakhstan           |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Lebanon              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Malaysia             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Mexico               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Peru                 |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | South Africa         |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Suriname             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Thailand             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Tunisia              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Turkey               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
| Lower middle income        | Bangladesh           |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Egypt                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | El Salvador          |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Ghana                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | India                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Indonesia            |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Kenya                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Mauritania           |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Morocco              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Myanmar              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Pakistan             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Palestine            |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Philippines          |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Sudan                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Vietnam              |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Zambia               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
| Low income                 | Afghanistan          |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Burkina Faso         |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Cambodia             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Haiti                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Malawi               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Nepal                |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Tanzania             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Uganda               |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |
|                            | Zimbabwe             |            |           |              |             |           |            |             |      |           |             |            |                |      |            |            |          |           |             |            |           |     |     |             |          |



# ESMO INITIATIVES TO PREVENT AND MANAGE SHORTAGES OF CANCER MEDICINES



**Cancer medicines shortages in Europe**  
Policy recommendations to prevent and manage shortages

A report by The Economist Intelligence Unit  
Supported by the European Society for Medical Oncology



Supported by 



**SHORTAGES OF INEXPENSIVE, ESSENTIAL MEDICINES**

**CALLING FOR TANGIBLE POLITICAL COMMITMENTS IN THE EU**

MEP Salon,  
European Parliament,  
Brussels

**09th APRIL**  
08:00-10:00

IN COLLABORATION WITH  
  
European Society for Medical Oncology

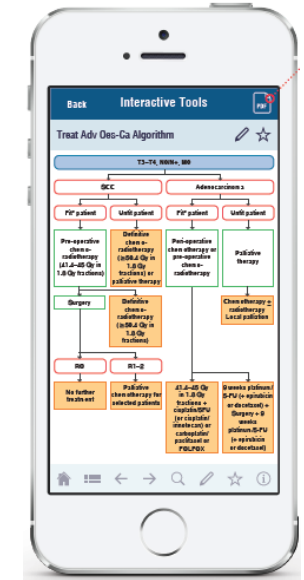
# ESMO CLINICAL PRACTICE GUIDELINES SET THE STANDARD OF CANCER CARE

## The 77 ESMO Clinical Practice Guidelines are:

- Written by experts and reviewed regularly
- Standards of care for cancer screening, diagnosis, treatment & follow-up
- ESMO-MCBS scores included for medicines approved by EMA since 2016
- Published in *Annals of Oncology* and online: <http://www.esmo.org/Guidelines>
  - eUpdates, guidelines methodology, downloadable slides with flowcharts
- Translated into Cancer Guides for Patients: <https://www.esmo.org/Patients/Patient-Guides>
- **Adaptable to national contexts:** First 3 Pan-Asian Adapted ESMO Guidelines in 2018 (metastatic gastric, oesophageal, NSCL cancer) <https://www.esmo.org/Guidelines>

## The ESMO Clinical Practice Guidelines App includes:

- ESMO Pocket Guidelines as basic PDF files
- ESMO Interactive Guidelines: HTML with interactive tools (algorithms, calculators)



# ESMO PROMOTES THE WHO MODEL LIST OF ESSENTIAL MEDICINES

## The cancer medicines on the **WHO Model List of Essential Medicines** are:

- Referenced in the ESMO Clinical Practice Guidelines
- Used to treat the majority of cancers
- Inexpensive, and also available as generics and biosimilars

## They should be:

- On national essential medicines lists
- Prioritized for procurement and reimbursement
- Protected against shortages

Downloaded from <http://esmoopen.bmj.com/> on June 10, 2017 - Published by group.bmj.com

Open Access Editorial

**ESMO** Open  
Cancer Horizons

## Back to the 'essence' of medical treatment in oncology: the 2015 WHO Model List of Essential Medicines

Alexandru Eniu,<sup>1</sup> Julie Torode,<sup>2</sup> Nicola Magrini,<sup>3</sup> Gracemarie Bricalli,<sup>4</sup> Union for International Cancer Control EML Steering Committee Members

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► Prepublication history for this paper is available online. To view these files please visit the journal online (<http://dx.doi.org/10.1136/esmoopen-2015-000030>).

Accepted 15 December 2015

### INTRODUCTION

Forty years ago, a group of physicians gathered in Nice, France, with a shared optimism for the promise of systemic therapies to treat cancer. This conference became the inaugural meeting of what is now the *European Society for Medical Oncology (ESMO)*, which today convenes nearly 20,000 individuals from around the world. At that time, in 1975, it was becoming clear that contemporary scientific discoveries related to the properties of chemotherapeutic agents were spring-loading the oncologist's ability to address malignancies. Clinicians were able to employ adjuvant chemotherapy for the treatment of early-stage breast cancer, and combination chemotherapy for patients with testicular cancer, both of which would soon lead to marked improvements in overall survival. Medicines such as cyclophosphamide, cisplatin, bleomycin and others—which we often take for granted in our practices today—were then new instruments in the clinician's anticancer toolkit.

The number of systemic therapies and treatment approaches we currently have to address the needs of our patients with cancer is vast. With advanced techniques in radiology, pathology, radiation oncology, surgical

gains from productivity life-years (not to mention the social and moral imperatives implicit in cancer care), the conception of cancer as a death sentence is not a fallacy in many impoverished regions of the world: it is a reality.

The authors of this editorial have been sobered time and again by the sight of patients with cancer in wards of hospitals where treatment options readily available in developed countries have not extended their reach. Even after a century of discovery in therapeutics, our society's ability to deliver medicines to places where they are needed has been an imperfect—if not an exiguous—performance.

Current advances rely on availability of certain interventions, including medicines considered essential for the success of therapy in certain cancers. The WHO recognised the importance of these medications to improve the outcome of patients worldwide, and, since 1977, proposed and subsequently maintained, the WHO Model List of Essential Medicines.<sup>1</sup> Containing only a few anticancer medicines at the beginning, the list has reached its 19th version, and has been recently updated, prompting us to reflect on the worldwide implications of this project.

CrossMark

# 2017 WHO MODEL LIST OF ESSENTIAL MEDICINES FOR SOLID TUMORS



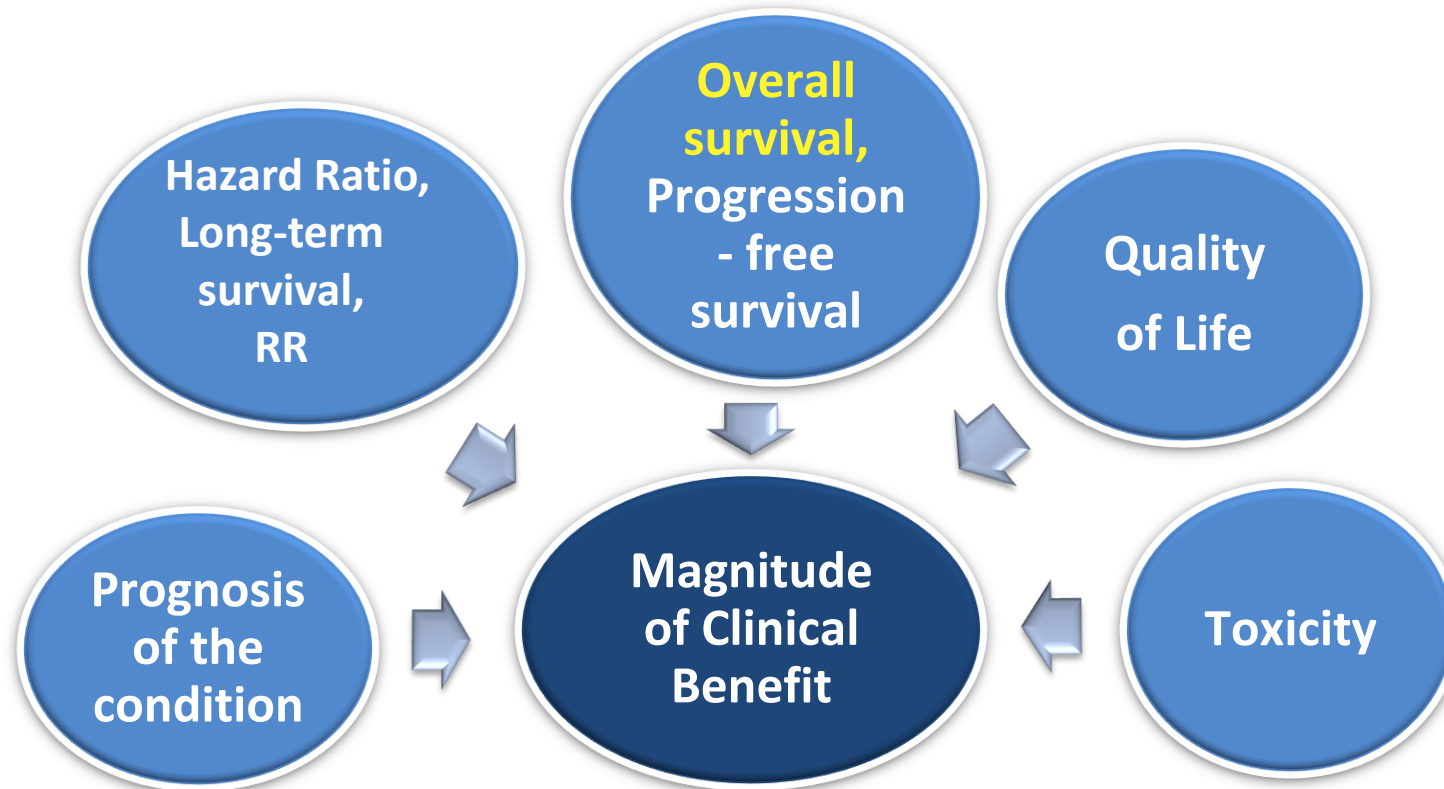
| Cytotoxics       |                    |              | Miscellaneous    | Hormones      |
|------------------|--------------------|--------------|------------------|---------------|
| Bleomycin        | Doxorubicin        | Oxaliplatin  | Calcium folinate | Anastrozole   |
| Capecitabine     | Etoposide          | Paclitaxel   | Filgrastim       | Bicalutamide  |
| Carboplatin      | Fluorouracil       | Procarbazine | Imatinib         | Dexamethasone |
| Cisplatin        | Gemcitabine        | Vinblastine  | Trastuzumab      | Leuporelin    |
| Cyclophosphamide | Ifosfamide + mesna | Vincristine  | Zoledronic acid  | Tamoxifen     |
| Dactinomycin     | Irinotecan         | Vinorelbine  |                  |               |
| Docetaxel        | Methotrexate       |              |                  |               |



# ESMO-MAGNITUDE OF CLINICAL BENEFIT SCALE

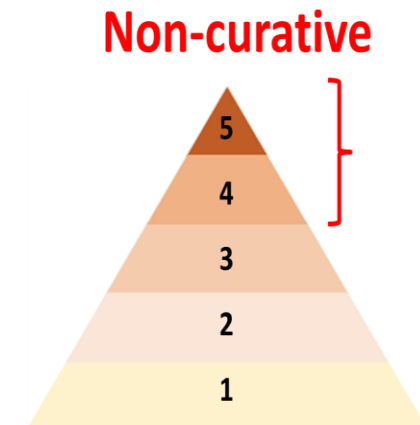
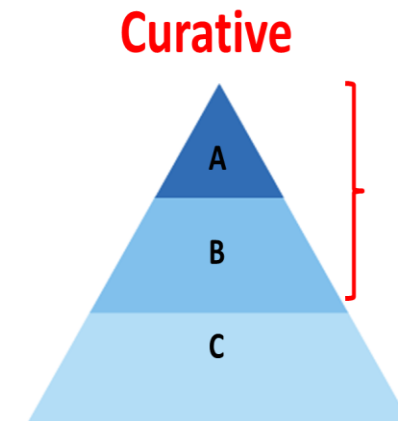


## Factors taken into account for the ESMO-MCBS



## Substantial improvements for patients:

- A&B in curative setting
- 5 & 4 in non-curative setting



# ESMO-MCBS SCORE CARD

**Contact:**  
**[mcbs@esmo.org](mailto:mcbs@esmo.org)**

## » The ESMO-MCBS Score Card

The ESMO-MCBS Score Card allows you to filter either by **Agent**, **Tumour** or **Score** giving priority to different criteria such as **Agent** and **Tumour Type** and **Tumour sub-type** and **Tumour sub-group** in the **Curative** or **Non-curative** setting.

Detailed scorecards will be available to ESMO Members in December 2018.

This content will be updated regularly and communicated to ESMO Members.

Agent

OR

Tumour

OR

Score

| Tested Agent | Combined Agent(s)       | Control Arm   | Treatment Setting  | Tumour Type   | Tumour Sub-type | Tumour Sub-group | Tumour Stage | Score | Ref.   |
|--------------|-------------------------|---|--|---------------|-----------------|------------------|--------------|-------|--|
| Trastuzumab  |                         | Chemotherapy  | Adjuvant or neo-adjuvant HER2 positive tumours           | Breast Cancer | Breast Cancer   | HER2+            | Early        | A     | Piccart-Gebhart et al, N Engl J Med 2005; 353:1659-1672                                  |
| Pertuzumab   | Trastuzumab + docetaxel | Trastuzumab + docetaxel (Randomised phase II study) | Neo-adjuvant HER2 overexpressed invasive ductal breast   | Breast Cancer | Breast Cancer   | HER2+            | Early        | C     | Gianni et al, Lancet Oncol 2012; 13:25-32<br>Gianni et al, Lancet Oncol 2016; 17:791-800 |
| T-DM1        |                         | Lapatinib + capecitabine                            | 2nd line metastatic after trastuzumab failure (extensive | Breast Cancer | Breast Cancer   | HER2+            | Metastatic   | 4     | Verma et al, N Engl J Med 2012; 367: 1783-1791   |

<https://www.esmo.org/Guidelines/ESMO-MCBS/>



# ESMO'S ACTIVITIES TO ENSURE SUSTAINABLE CANCER CARE

## ESMO-MCBS Working Group

2013



ESMO-Magnitude of Clinical Benefit Scale a tool designed to assess the magnitude of therapeutic benefit for medicines registered in the treatment of cancer



## Cancer Medicines Committee

**Expensive, innovative cancer medicines  
2015**

1. Advocacy
2. Biosimilars
3. Develop an economic model to tackle issues related to reimbursement of innovative medicines



**Inexpensive, essential cancer medicines  
2015**

1. Report on Cancer Medicines Shortages in Europe developed with The Economist Intelligence Unit.
2. Recommendations made to policy makers on how to prevent and manage shortages

# DELIVERING ON ESMO'S MISSION OF FACILITATING EQUAL ACCESS TO OPTIMAL CARE FOR ALL CANCER PATIENTS

## Outline of the model: Reimbursement based on local-referenced value



Value of “X” drug  
(tumor type/setting)

Health economic parameters

- ESMO-MCBS score
- Frequency of the disease

Planned Outcome:

- Models and Tools (template)
- No specific discussions on specific medicines/regions

Adapt to the  
country/region level

Country/Region parameters:

- GDP
- % of GDP in health expenditures
- Frequency of the disease  
(registries, extrapolation)

**Geographically-adapted value-based  
reimbursement**

# ESMO ADVOCACY FOR THE 2019 UN HIGH-LEVEL MEETING ON UNIVERSAL HEALTH COVERAGE



- ✓ **Universal access to affordable cancer services** should be included in the text of the 2019 Political Declaration of the UN High-Level Meeting on Universal Health Coverage.
- ✓ UHC packages should include a **core set of comprehensive cancer and palliative services**, to reduce cancer deaths through prevention, early detection, diagnosis, cancer treatment, and follow-up care.
- ✓ To leave no one behind, UHC must strengthen primary care **and referral services for secondary and tertiary care** because cancer patients are treated at the secondary care level.





THANK YOU!

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