Supplementary Materials

A: Dates, locations and search keywords pertaining to the ESTRO congresses analysed.

B: List of keywords used to identify academic titles and professional qualifications of Twitter users.

C: Proportion of Twitter users by gender over the ten years studied.

D: Evolution of number of ESTRO members, participants to the congress and submitted abstracts (data extracted from ESTRO annual reports).
### A: Dates, locations and search keywords pertaining to the ESTRO congresses analysed.

<table>
<thead>
<tr>
<th>Year</th>
<th>Conf. nb</th>
<th>Day start</th>
<th>Month start</th>
<th>Day end</th>
<th>Month end</th>
<th>Location</th>
<th>Keywords</th>
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<td>#ESTRO2012 ; #ESTRO31 ; #ESTRO</td>
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<td>31</td>
<td>8</td>
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</table>
B: List of keywords used to identify academic titles and professional qualifications of Twitter users.

All keywords listed were by default case insensitive unless stated otherwise.

Keywords for Medical Doctors category:
In the user’s description:
"Medico"
"Radiooncóloga"
"M.D"
"physician"
"chirurgien"
"urologist"
"cancer specialist"
"doctor"
"Oncólogo"
"rad onc"
"radonc"
"oncologist"
"surgeon"
"MD" (case sensitive)
In the user’s Twitter handle:
"MD" (case sensitive)
In the username:
"MD" (case sensitive)

Keywords for Physicists or equivalent category:
In the user’s description:
"medisinsk fysikk"
"clinical scientist"
"Engineer"
"Física Médica"
"Físico"
"physicist"
In the user’s Twitter handle:
"physicist"
In the username:
"physicist"

Keywords for Radiation Therapists or equivalent category:
In the user’s description:
"Oncology Clinical Research Nurse"
"nurse (oncology)"
"cancer Nurse"
"oncology Nurse"
"radiographer"
"radiation therapist"
"rtt"
In the user’s Twitter handle:
"rtt"
In the username:
"rtt"

Keywords for PhD category:
In the user's description:
"Ph.D"
"phd"
In the user's Twitter handle:
"phd"
In the username:
"phd"
As we wanted PhD students NOT to be included in this category, the presence of the following keywords resulted in the exclusion of the Twitter user:
In the user's description:
"student"
"candidate"

Keywords for Professors:
In the user's description:
"prof" (this keyword being included in 'professor', users using 'professor' in their description are also selected)
In the user's Twitter handle:
"prof"
In the username:
"prof"
As we wanted Associate or Assistant Professors NOT to be included in this category, the presence of the following keywords resulted in the exclusion of the Twitter user:
In the user's description:
"associate"
"assistant"
"asst"
"ass."
"ass prof"

Keywords for Assistant/Associate Professors:
In the user's description:
"Assoc Prof"
"Assoc. Prof"
"Assoc.Prof"
"prof ass"
"Ass prof"
"Assistant prof"
"Ass. prof"
"asst prof"
"associate prof"

Keywords for PostDocs:
In the user’s description:
"postdok"
"postdoc"
"post doc"
"post-doc"

Keywords for PhD students:
In the user’s description:
"PhDstud"
"PhD stud"
"Ph.D stud"
"PhD cand"
"Ph.D cand"
"PhDcand"
"PhD Fellow"
"Ph.D Fellow"
C: Proportion of Twitter users by gender over the ten years studied.
D: Evolution of number of ESTRO members, participants to the congress and submitted abstracts (data extracted from ESTRO annual reports).