

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.

year	Conf. nb	Day start	Month start	Day end	Month end	Location	Keywords
2012	31	9	5	13	5	Barcelona	#ESTRO2012 ; #ESTRO31 ; #ESTRO
2013	32	27	9	1	10	Amsterdam	#ESTRO2013 ; #ESTRO32 ; #ESTRO
2014	33	4	4	8	4	Vienna	#ESTRO2014 ; #ESTRO33 ; #ESTRO
2015	34	24	4	28	4	Barcelona	#ESTRO2015 ; #ESTRO34 ; #ESTRO
2016	35	29	4	3	5	Turin	#ESTRO2016 ; #ESTRO35 ; #ESTRO
2017	36	5	5	9	5	Vienna	#ESTRO2017 ; #ESTRO36 ; #ESTRO
2018	37	20	4	24	4	Barcelona	#ESTRO2018 ; #ESTRO37 ; #ESTRO
2019	38	26	4	30	4	Milan	#ESTRO2019 ; #ESTRO38 ; #ESTRO
2020	39	28	11	1	12	Online	#ESTRO2020 ; #ESTRO39 ; #ESTRO
2021	40	27	8	31	8	Madrid /Online	#ESTRO2021 ; #ESTRO40 ; #ESTRO

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"

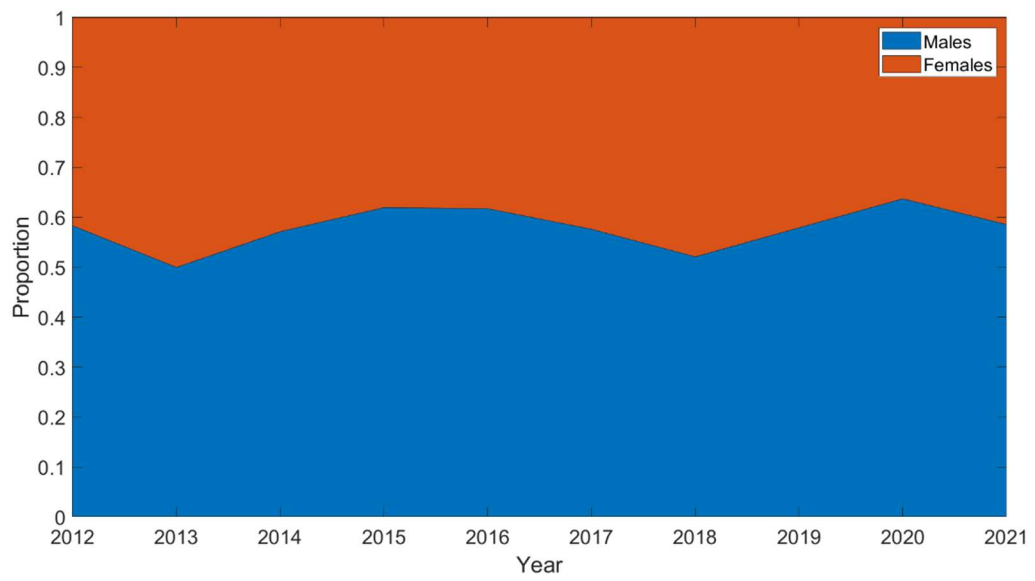
"Ass. prof"

"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).

