

Table S1. Distribution and incidence of *P. kudriavzevii* over time.

Author	Year	Study design	Study period	Country	Level of care	Population description	Number of patients	Number of <i>P. kudriavzevii</i> isolates	Distribution	Trends
Arendrup ²⁷	2013	Other: Prospective national surveillance study	Multi-centre 2010-2011	Denmark	Tertiary	Patients with fungaemia	995	52	4.8% (incidence rate per 100,000 inhabitants in the period 2010-2011): 4.1% (2004-2009), 5.0% (2010), 4.7% (2011)	Stable
Awad ⁷⁶	2018	Retrospective cohort study	Single centre 01/2010-12/2015	Lebanon	Tertiary	<i>Candida</i> isolates from microbiology laboratory database	ND	10	10/1377 (0.73%) among <i>Candida</i> spp. (10/333 (3%) <i>P. kudriavzevii</i> out of non-albicans)	ND

Badiee ¹⁹	2017	Cross sectional study	Multi-centre	2014-2015	Iran	Tertiary	Immunocompromised patients admitted to 10 hospitals in Iran	ND	23	23/846 (2.7%) among <i>Candida</i> spp: colonised (n=13), invasive (n=10)	ND
Bassetti ¹¹	2011	Prospective cohort study	Single centre	01/2008-12/2010	Italy	Tertiary	Patients with candidaemia	348	9	ND	Increasing: 0.01 episodes/1000 hospital admissions (2008), 0.06/1000 (2009), 0.07/1000 (2010)

Castanheira ²⁸	2020	Other: Global surveillance study	Multi-centre	01/2016-12/2017	Asia Pacific, Europe, Latin America, North America	Tertiary	Patients with <i>Candida</i> infections (from 60 hospitals in 25 countries)	2936	76	35/76 (46%) Europe, 20/76 (26.3%) North America, 12/76 (15.8%) Latin America, 9/76 (11.8%) Asia Pacific: among <i>Candida</i> spp.	ND
Castanheira ²⁹	2014	Other: Global surveillance study	Multi-centre	2012	Europe, Latin America, North America and the Asia-Pacific Region	Tertiary	Patients with IFI	ND	36	20/36 (55.6%) Europe, 10/36 (27.8%) North America, 3/36 (8.3%) Latin America, 3/36 (8.3%) Asia-Pacific Region: among IFI	ND

Fuller ³⁶	2019	Prospective cohort study	Multi-centre	01/2011-10/2016	Canada	Tertiary	Patients with bloodstream infections	ND	81	81/1882 (4.3%) among <i>Candida</i> spp. (2011-2016)	Relatively stable ¹ 2011: 5% 2012: 2% 2013-15: 4-5% 2016: 6%
Seyoum ²⁶	2020	Retrospective cohort study	Multi-centre	01/2018-09/2018	Ethiopia		Patients with yeast isolated	ND	14	14/194 (7.2%) (<i>P. kudriavzevii</i> / <i>Candida</i> spp.) (15.6% among NAC species)	ND
Hrabovsky ⁷⁹	2017	Retrospective cohort study	Single centre	01/2013-06/2015	Slovakia	Tertiary	Adult non-neutropenic ICU patients	426	69	69/800 (8.6%) among yeasts	ND

Israel ²¹	2019	Retrospective cohort study	Multi-centre	01/2005-12/2016	Israel	Tertiary and secondary	Patients with candidaemia	899	54	54/919 (5.9%) among <i>Candida</i> spp.	Decreasing pattern 2011: 2.5%, 2012: 10%, 2013: 9%, 2014: 6%, 2015: 5%, 2016: 3% (estimated from the graph)
Jung ³⁰	2020	Retrospective cohort study	Multi-centre	2012-2015	South Korea	Tertiary	Adult patients with candidaemia	317	8	8/317 (2.5%) among <i>Candida</i> spp.	ND
Takeya ³¹	2018	Retrospective cohort study	Multi-centre	2003-2014	Japan	Tertiary	<i>Candida</i> spp. blood culture results from 10 hospitals	ND	61	61/1921 (3.2%) among <i>Candida</i> spp.	Stable ² . 2011-2013: 2.5%, 2014: 3.5%

Kaur ¹²	2020	Retrospective cohort study	Single centre	01/2014-12/2014	India	Tertiary	Adult and paediatric patients with candidaemia	316 (n=186 paediatric, 130 adults)	96	96/316 (30.3%) overall: 82/186 (44%) among paediatric patients, 14/130 (10.8%) among adults.	ND
Kaur ²³	2020	Retrospective cohort study	Single centre	01/1999-12/2018	India	Tertiary	Patients with candidaemia	7927	527	527/7927 (6.7%) <i>P. kudriavzevii</i> out of all candidaemia	Increasing (P<0.05), 2009-2013: 5.6%, 2014-2018: 9.3%
Kronen ¹³	2018	Retrospective cohort study	Single centre	01/2002-01/2015	US	Tertiary	Patients with candidaemia	1873	59	59/1873 (3.2%)	Fluctuating but relatively low ³ 2011: 4.3%, 2012: 1.4%, 2013: 4.3%,

											2014: 2.1%
Lausch ³²	2018	Retrospective cohort study	Multi-centre	2010-2011	Denmark	Mixed (data from national surveillance)	Adult patients with candidaemia	841	35	35/841 (4.2%)	ND
Omrani ¹⁴	2014	Retrospective cohort study	Single centre	01/2003-12/2012	Saudi Arabia	Tertiary	Patients with invasive <i>Candida</i> infections	652	9	9/652 (1.4%)	Stable 2009: 0/80 (0%) 2010: 2/108 (1.9%) 2011: 2/93 (2.2%), 2012: 0/76 (0%)
Orasch ³³	2018	Prospective cohort study	Multi-centre	2004-2006	Switzerland	Tertiary	Patients with candidaemia	567	13	13/567 (2.3%) among candidaemia: [n=5/43 (12%) associated with breakthrough	ND

										candidaemia (BTC), n=8/507 (2%) with non-BTC]	
Pfaller ²⁵	2015	Retrospective cohort study	Multi-centre	2013	North America (695 isolates), Europe (511 isolates), the Asia-Pacific region (222 isolates), and Latin America	Tertiary	Patients with IFI	1320	37	North America: 21/37, Europe: 9/37, Latin America: 3/37, Asia-Pacific: 4/37	ND

(185 isolates).

Puig-Asensio ³⁴	2014	Prospective cohort study	Multi-centre	05/2010-04/2011	Spain	Tertiary	Adult ICU patients with candidaemia	168	7	7/168 (4%) among ICU candidaemia	ND
Sasso ³⁷	2017	Retrospective cohort study	Single centre	2007-2016	France	Tertiary	ICU patients with invasive <i>Candida</i> infections	244	192	ND	n=3557 isolates 2011: 5.1%, 2012: 9.1%, 2013: 8%, 2014: 4.5%, 2015: 6.3%, 2016: 2.6%
Siopi ³⁵	2020	Other: Retrospective surveillance study + literature	Single centre	2009-2018	Greece	Tertiary	Patients with candidaemia	429	5	5/449 (1%) among <i>Candida</i> spp.	Variable but low ⁴ 0-5%: 2011: 0%, 2012: 3%, 2013-2014: 0%,

review
(excluded from
analysis)

2015: 5%,
2016-2018: 0%

van Schalkwyk ¹⁵	2018	Retrospective cohort study	Single centre	01/2012-12/2016	South Africa	Tertiary	Neonates with bloodstream infections during multiple outbreaks	589	48	01/2012-12/2016: 91/262 (35%) among candidaemia including period of multiple outbreaks, First outbreak 07/2014-10/2014: 48/589 (8.2%) <i>P. kudriavzevii</i> /neonatal admissions	ND
Yacoub ¹⁶	2016	Retrospective cohort study	Single centre	01/2001-06/2014	US	Tertiary	Cancer patients with candidaemia	247	32	ND	2006-2010: 14% in cancer patients 2011-2014: 15%

Yang ⁸²	2018	Retrospective cohort study	Multi-centre	2014	Taiwan	Tertiary	Yeast isolates collected via Taiwan Surveillance of Antimicrobial Resistance of Yeasts (TSARY)	ND	11	11/1139 (1%) among yeasts	ND
Zeng ⁸³	2019	Retrospective cohort study	Single centre	01/2013-12/2017	China	Tertiary	Patients with invasive candidiasis	243	12	12/243 (4.9%) among <i>Candida</i> spp.	ND

^{1,2,3,4} Proportions (%) of *P. kudriavzevii* candidaemia over time were estimated from Figure 1 of the article³⁶, Figure 1 of the article³¹, Supplementary Figure 2 of the article¹³, and Figure 1 of the article³⁵, respectively.

Abbreviations: BTC= breakthrough candidaemia, ICU=intensive care unit, IFI=invasive fungal infection, NAC= non-*albican* candidaemia, ND=no data, TSARY= Taiwan Surveillance of Antimicrobial Resistance of Yeasts.

