

국내 저널의 SCIE 진입 필요성과 당위성

허선

한림의대 기생충학

2017년 4월 15일 토요일 오후 1시 30분 -2시

부산 서면 롯데 호텔

결핵 및 호흡기 학회 춘계학회 간행위원회

학습 목표

- 우리나라 의학 학술지가 **SCIE 등재되어야 하는 이유를** 두 가지 이상 설명할 수 있어야 한다.
- **구체 목표**
 - 국내지가 왜 SCIE 등재지가 되어야 하는 지 두 가지 이상 기술할 수 있어야 한다.
 - SCIE 등재가 되면 학술지에 어떤 변화가 오는 지 설명할 수 있어야 한다.

국내지가 왜 SCIE 잡지가 되어야 할까?

- ① 우리나라에서 나오는 훌륭한 자료를 전 세계에 우리 잡지 통하여 더 많이 알릴 수 있기 때문이다.
- ② 학회 회원이 국제지로 자부심을 갖는데 필요하다.
- ③ 해당 분야 연구에 우리 학회가 국제적인 중심이 되는데 필요하다.
- ④ 학술지 생존에 필요하다.

SCIE 잡지가 되면 어떤 변화가 일어날까?

- **투고 건수가 급격하게 는다.**

- ① 연구자 기관에서 신규 임용, 재임용, 승진, 포상 등에서 유리하여 국내에서 투고 건수가 는다.
- ② 외국에서 투고 수는 국내 투고보다 몇 배 더 는다.
- ③ 투고수가 많아져서 편집 업무가 대폭 늘어난다.

SCIE 잡지가 되면 (2)

• **학술지 발행에 필요한 자원 마련에 유리하다.**

- ① 저자에게 게재료를 충분히 받을 수 있다.
- ② 한국과학기술단체총연합회에서 학술지 발간비 지원을 받는 데 유리하다.
- ③ 한국연구재단의 등재지 심사에서 유리하다.

SCIE 잡지가 되면(3,4)

- 학술지 Metrics 자료를 쉽게 확인할 수 있다.
- 같은 범주 학술지에 비교한 경쟁력을 확인할 수 있다.
- 편집인 초빙하기 수월하다.
- 전담 편집인(full time editor)을 확보할 수 있다.

SCIE 잡지가 되면(5)

- **Epub ahead of print 시행**
- 투고 원고가 많아져서 게재 결정하면 바로 PubMed에 Epub ahead of print 시행
- XML 제작사 변경하여 편당 15만원에서 5만5천원 수준으로 낮추면서 Epub ahead of print 시행

SCIE 잡지가 되면(6)

- 국제 상업 출판사의 출판 요청
- 한국 학술지 출판 시장 규모 → 급격하게 팽창
- *Springer-Nature Publishing Group*
- *Taylor Francis*
- *Kluwer*

1. 투고 건수 증가: 다른 SCIE 학술지 예

- *Korean Journal of Parasitology*

- 연 40편 발행할 때 연 투고 건수 60
- SCIE 등재 후 연 120편 발행하여 연 투고 건수 350편
- 게재율 25%

- *Cancer Research and Treatment*

- 연 40 편 발행할 때 연 투고 건수 55편
- SCIE 등재 후 연 100편 발행하여 연 투고 건수 500편 이상
- 최근 게재율 10%

2. 자원 확보: 다른 학술지 예

- *Korean Journal of Parasitology*

- 게재료를 편당 20 만원 수준에서 8 페이지까지 50만원. 이후 페이지 추가면 페이지 당 10 만원 받음.
- 한국과학기술단체총연합회 지원금이 매년 2,000 만원 이상

- *Journal of Korean Medical Science*

편당 90만원, 천연색 인쇄 페이지당 20 만원


3. Metrics 자료 확보 용이

- Total Cites
- Journal Impact Factor
- Impact Factor without Journal Self Cites
- 5 Year Impact Factor
- Immediacy Index


3-2. Metrics 자료

- **Cited Half-Life (피인용 반감기):** 학술지에 출판된 내용이 얼마나 오랫동안 인용되는지를 나타내는 척도. 짧을 수록 빨리 유통되는 분야
- **Citing Half-Life (인용 반감기):** 학술지가 얼마나 오래된 내용을 인용하느냐를 나타내는 척도. 짧을 수록 최신 내용 인용한다는 것.
- **Eigenfactor Score:** 많은 논문을 출판하는 학술지일수록 큰 값을 갖게 되는 경향. 학문 분야들 간의 인용 패턴의 차이가 조정되어 서로 다른 분야에 속하는 학술지들 간의 비교 가능.
- **Article Influence Score:** 개별 논문들의 영향력을 나타내는 지표
- <https://www.kcse.org/newsletter/04/06.html>

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4. 편집인 초빙

→ 전담 편집인(full time editor) 확보: 다른 학술지 예

• *Experimental and Molecular Medicine*

• 주대명 교수 (가톨릭의대 생화학교실)

• 퇴임 후 편집인 지속

• 학회 요청

5. Epub ahead of print 시행: 다른 학회에

<https://www.e-crt.org/>

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SPECIAL ARTICLE 2017 March 9
Cancer Statistics in Korea: Incidence, Mortality, Survival, and Prevalence in 2014

Purpose This study presents the 2014 nationwide cancer statistics in Korea, including cancer incidence, survival, prevalence, and mortality. Materials and Methods Cancer incidence data from 1999 to 2014 was obtained from the Korea National Cancer Incidence Database and follo...

Current Issue
Volume 49(2); Apr 2017

Volume 49(1); January 2017
Volume 48(4); October 2016

CANCER RESEARCH AND TREATMENT
IF 4.245 (2015)
The official journal of
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Korean Association of Clinical Oncology
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Review Article
Anti-angiogenic Therapy in Patients with Advanced Gastric and Gastroesophageal Junction Cancer: A Systematic Review
Li-Tzong Chen, Do-Youn Oh, Min-Hee Ryu, Kun-Huei Yeh, Winnie Yeo, Roberto Carlesi, Rebecca Cheng, Jongseok Kim, Mauro Orlando, Yoon-Koo Kang
Received April 26, 2016 Accepted December 20, 2016 Published online January 3, 2017 DOI:
<https://doi.org/10.4143/crt.2016.176>
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Original Articles

Hearing Improvement in A/J Mice via the Mouse Nerve Growth Factor
Lixiang Gao, Ruli Ge, Gang Xie, Dandan Yao, Ping Li, Oumei Wang, Xiufang Ma, Fengchan Han
Received October 2, 2016 Accepted January 19, 2017 Published online March 8, 2017
DOI: <https://doi.org/10.21053/ceo.2016.01354>
[\[Epub ahead of print\]](#)

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The Effect of Insulin Like Growth Factor-1 on Recovery of Facial Nerve Crush Injury
Asuman Feda Bayrak, Yuksel Olgun, Ayla Ozbakan, Safiye Aktas, Can Ahmet Kulan, Gonca Kamaci, Emine Demir

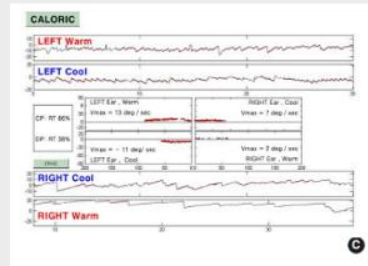
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2015 Impact Factor 0.855
Korean Society of Otorhinolaryngology-Head and Neck Surgery
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http://j-stroke.org/



2016 December 12

Recent Advances in Understanding Audiovestibular Loss of a Vascular Cause



Acute audiovestibular loss is characterized by abrupt onset of prolonged (lasting days) vertigo and hearing loss. Acute ischemic stroke in the distribution of the anterior inferior cerebellar artery (AICA) is known to be the leading cause of acute audiovestibular loss. So far, e...

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Current Issue
Volume 19(1); January 2017



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- [An Intradiscal Granuloma Due to a Retained Wooden Foreign Body.](#)
 1. Aladag MA, Durak MA.
J Korean Neurosurg Soc. 2017 Mar;60(2):269-272. doi: 10.3340/jkns.2014.1112.008. Epub 2017 Mar 1.
PMID: 28264250
- [Microguidewire Looping to Traverse Stented Parent Arteries of Intracranial Aneurysms.](#)
 2. Cho YD, Rhim JK, Yoo DH, Kang HS, Kim JE, Han MH.
J Korean Neurosurg Soc. 2017 Mar;60(2):269-272. doi: 10.3340/jkns.2016.0707.000. Epub

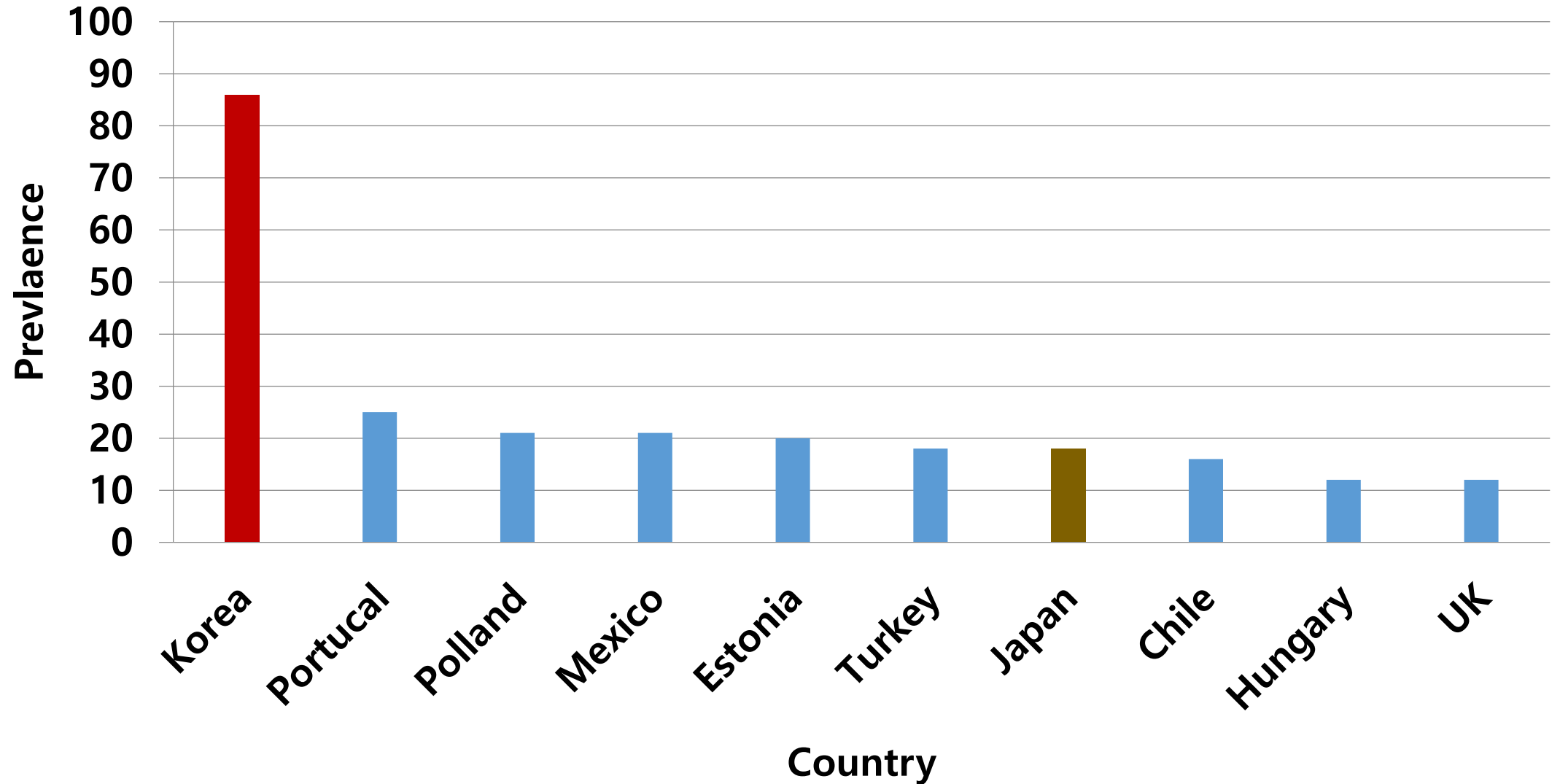
6. 국제 상업 출판사의 출판 요청

- 1. 상업지로 전환하여 상업출판사가 수익을 학회에 줌
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- 해외상업출판사에 의뢰 불필요
- 의학술지 플랫폼은 PubMed Central/PubMed가 중요

Tuberculosis and Respiratory Diseases 가 SCIE 가 되는 것이 왜 당연할까?

- 해당 나라에서 국제적으로 중요한 내용을 다루는 학술지 중요시
- 예) 태국-- BUFFALO BULLETIN
- VENEZUELA--BOLETIN DE MALARIOLOGIA Y SALUD AMBIENTAL

OECD국가 결핵 유병율 (2014)



Low level of under-reporting of detected TB cases in the Republic of Korea: 6.7% in 2013

Box 2.3 Low level of under-reporting of detected TB cases in the Republic of Korea

A national case-based and internet-based TB notification system is a key element of the NTP in the Republic of Korea, linked to the initiation of response measures including outbreak investigations, evaluation of contacts and TB case management. The online TB reporting system was established in 2000.^a

All TB patients who are treated in public health centres are notified to the Korea National TB Surveillance System (KNTSS). In 2006, a national survey found that only 67.6% of patients diagnosed and treated in the private sector were notified, despite a legal framework making notification of TB cases mandatory. Since 2008, the coverage of routine TB surveillance has been systematically assessed using record-linkage of medical records from the National Health Insurance (NHI) system and records from the KNTSS database.^b National identification numbers are used for record-linkage.

Data on levels of under-reporting of TB case notifications in 2012 and 2013 are presented in [Table B2.3.1](#). Under-reporting was defined as failing to report a detected case within 6 months.

TABLE B2.3.1

Under-reporting of detected TB cases in the Republic of Korea

	2012	2013
National health insurance system	36 735	33 800
National TB surveillance system	32 515	31 534
Under-reporting	11.5%	6.7%

estimates that was held 31 March–2 April 2015 ([Box 2.1](#)).^{1,2}

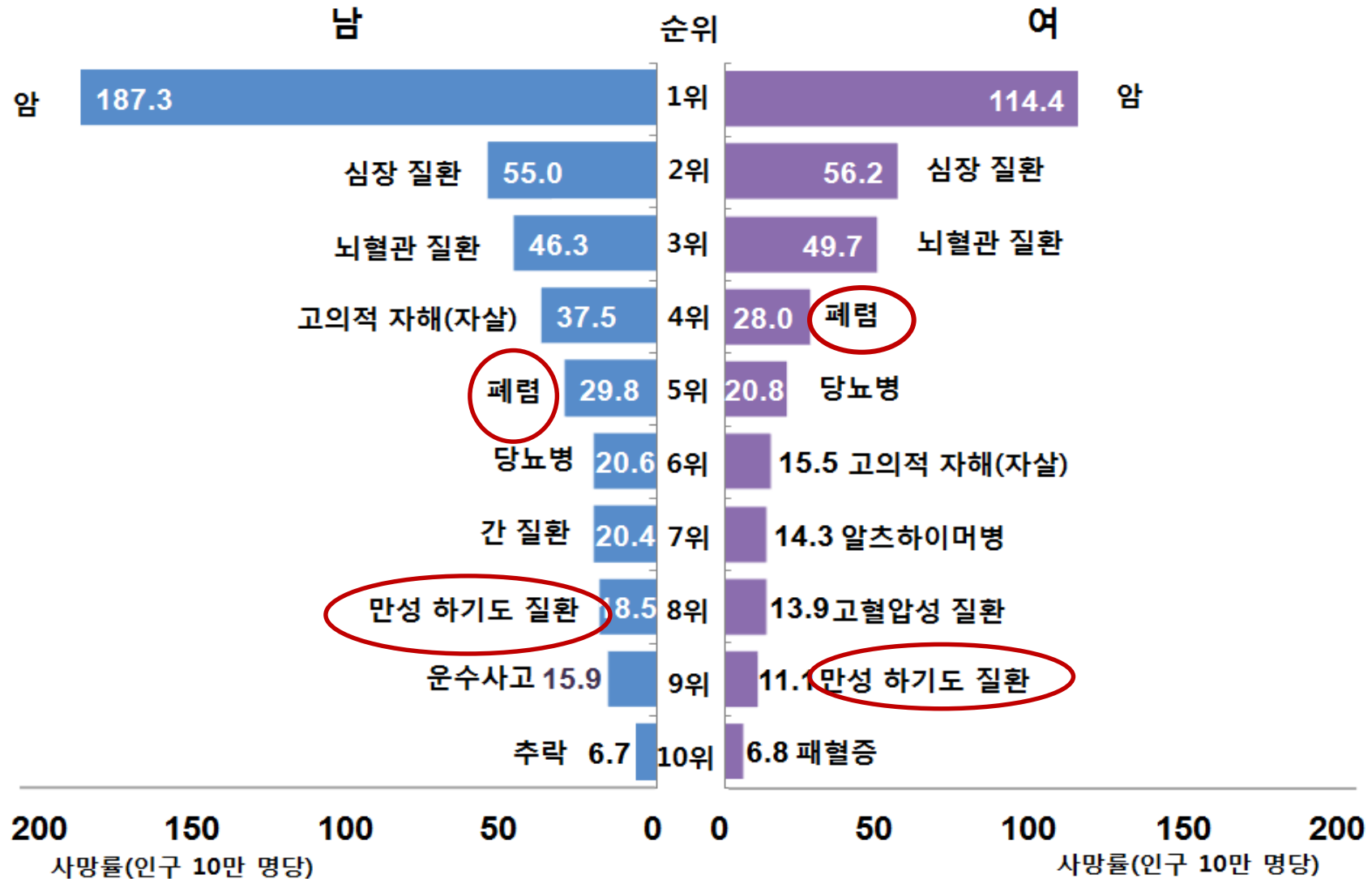
In 2014, there were an estimated 9.6 million incident cases of TB (range, 9.1 million–10.0 million)³ globally, equivalent to 133 cases per 100 000 population ([Table 2.1](#), [Table 2.2](#)). The absolute number of incident cases is falling slowly ([Figure 2.3](#)), at an average rate of 1.5% per year 2000–2014 and 2.1% between 2013 and 2014. The cumulative reduction in the TB incidence rate 2000–2014 was 18%.

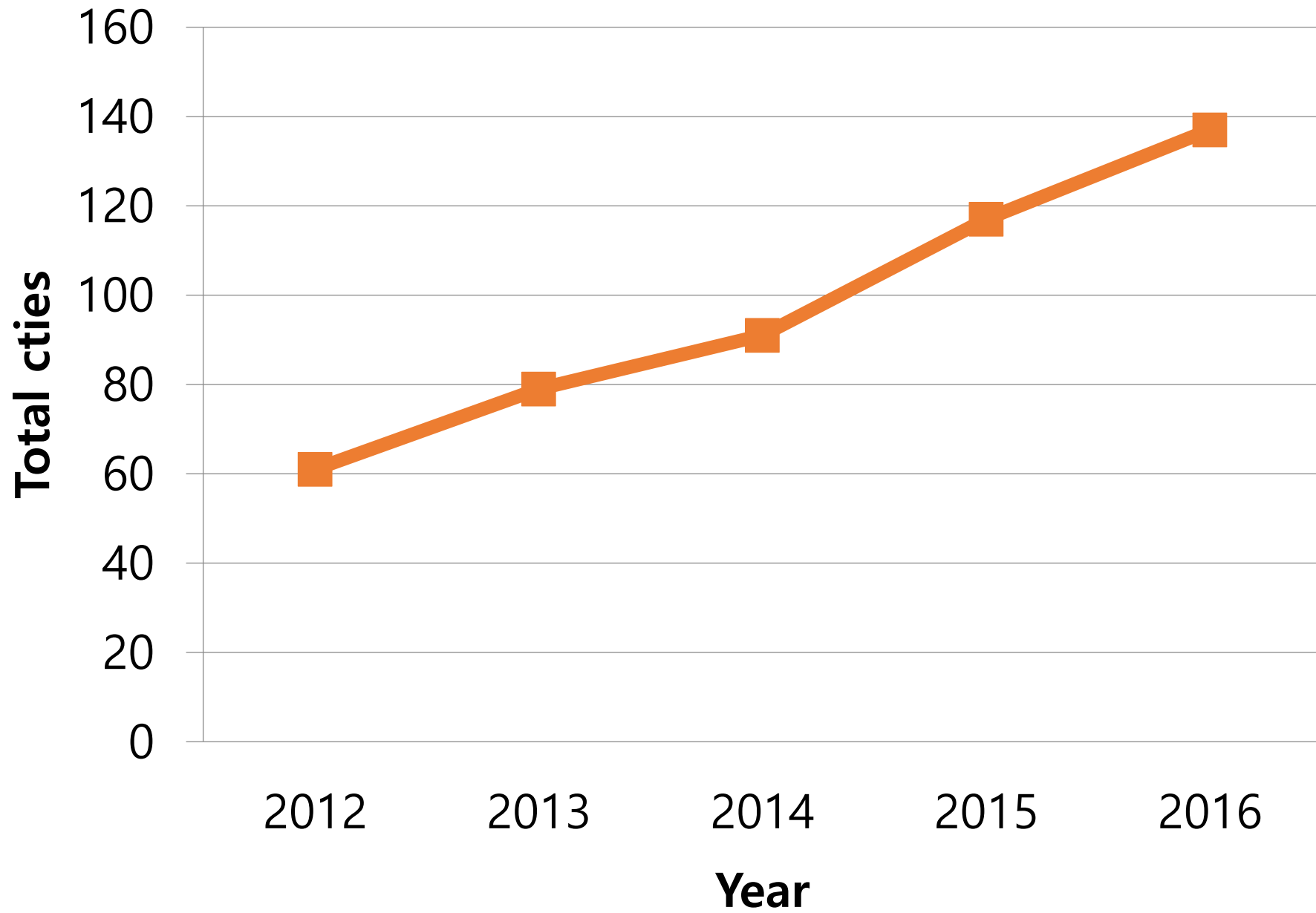
Most of the estimated number of cases in 2014 occurred in Asia (58%) and the African Region (28%);⁴ smaller proportions of cases occurred in the Eastern Mediterranean Region (8%), the European Region (3%) and the Region of the Americas (3%). The 22 HBCs that have been given highest priority at the global level since 2000 (listed in [Table 2.1](#) and [Table 2.2](#)) accounted for 83% of all estimated incident cases worldwide. The six countries that stand out as having the largest number of incident cases in 2014 were India, Indonesia, China, Nigeria, Pakistan and South Africa; these and the other five countries that make up the top ten in terms of numbers of cases are highlighted in [Figure 2.4](#). India, Indonesia and China alone accounted for a combined total of 43% of global cases in 2014.

The 9.6 million incident TB cases in 2014 included 1.1 million–1.3 million (11–13%) among people living with HIV, with a best estimate of 1.2 million (12%) ([Table 2.1](#), [Table 2.2](#)). The proportion of TB cases co-infected with HIV was highest in countries in the African Region ([Figure 2.5](#)). Overall, 32% of TB cases were estimated to be co-infected with HIV in this region, which accounted for 74% of TB cases among people living with HIV worldwide. In parts of southern Africa, more than 50% of TB cases were co-infected with HIV ([Figure 2.5](#)).

Following a systematic review of evidence about mortality caused by MDR-TB undertaken in 2013 and consensus

사망원인(2015)





Emerging Sources Citation Index (ESCI)

- SCIE 등재 후보 -2015년 11월 출범, 2017년 3월 20일 5,721 종
- <http://ip-science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi>

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맺는 말

- 학회 회원 연구 수준, 학술지 수준에 비추어 SCIE 등재는 당연
- 등재 후 변화는 학술지 발전 동력
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