The Mosaic of Translation: An Analysis of Translational Medicine Publications
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Analysis of indexed literature
for "Translational Medical Research[MeSH]" in PubMed

The term "Translational Medical Research[Mesh]" was introduced in 2012 (2010) and refers to the application of discoveries generated by laboratory research and preclinical studies to the development of clinical trials and studies in humans. A second area of translational research concerns enhancing the adoption of best practices.

Analysis of the timeline of translation
for new treatments in postmenopausal osteoporosis

1994
Food and Drug Administration (FDA) publishes guidelines for evaluation of agents used to treat postmenopausal osteoporosis.

2001
FDA approves Amgen Inc. application for an Investigational New Drug called denosumab (Prolia) for treatment of postmenopausal osteoporosis.

2007
Results from Amgen Inc. clinical trials are linked between PubMed and ClinicalTrials.gov

2008
Denosumab added as treatment option to "Osteoporosis: prevention and treatment" guideline in AHRQ’s National Guideline Clearinghouse.

2011
Denosumab identified as "promising novel strategy for breast cancer treatment" published in a translational journal

2012
Denosumab identified as possible treatment for Crohn’s disease.

2015
Clinical trial findings suggest denosumab and teriparatide together improve bone quality.

Notes

Analysis using direct citation network

Number of Publications Per Year

Top 35 Research Areas
Research Areas from Web of Science are sized and colored by number of publications

Open Access Publications

Analysis of journal coverage

Other analyses:
There are 22,771 publications with CTSA funding in Web of Science from 2008 to 2016.

Other topics

sciences

microbiology

pediatrics

Oncology

Pharmacy

Other:

VOSViewer

UlrichsWeb

PubMed

Columbia University

MIT

University of Michigan

Emory University

Case Western Reserve University

Johns Hopkins University

Harvard University

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