

dr. Job FM van Boven
Assistant Professor
Department of Clinical Pharmacy & Pharmacology
Groningen Research Institute for Asthma and COPD (GRIAC)
University Medical Center Groningen, University of Groningen



Postal address:
University Medical Center Groningen
Dept of Clin Pharmacy & Pharmacology
PO Box 30001, AP50
Groningen
The Netherlands
Email: J.F.M.van.Boven@umcg.nl
Tel: +31 50 361 7893
Fax: +31 50 363 2964

Research interests

Medication adherence, real-world drug outcomes, health economics, cost-effectiveness, burden of diseases, respiratory diseases (asthma, COPD, TB, lung cancer)

Research output

Improved health status of severe COPD patients after being included in an integrated primary care service: A prospective cohort study

de Jong, C., van Boven, J. F. M., de Boer, M. R., Kocks, J. W. H., Berger, M. Y. & van der Molen, T., 31-Dec-2022, In: The European journal of general practice. 28, 1, p. 66-74 9 p.

Prioritising primary care respiratory research needs: results from the 2020 International Primary Care Respiratory Group (IPCRG) global e-Delphi exercise

Abdel-Aal, A., Lisspers, K., Williams, S., Adab, P., Adams, R., Agarwal, D., Barnard, A., Bouloukaki, I., van Boven, J. F. M., Chavannes, N., Dickens, A. P., van Gemert, F., Escarrer, M., Haroon, S., Kayongo, A., Kirenga, B., Kocks, J. W. H., Kotz, D., Newby, C., McNulty, C. & 17 others, Metting, E., Moral, L., Papadakis, S., Pinnock, H., Price, D., Ryan, D., Singh, S. J., Correia de Sousa, J., Ställberg, B., Szeffler, S. J., Taylor, S. J. C., Tsiligianni, I., Turner, A., Weller, D., Yusuf, O., Tabyshova, A. K. & Jordan, R. E., Dec-2022, In: npj Primary Care Respiratory Medicine. 32, 1, p. 6 12 p., 6.

Triple Therapy of Asthma-Permutations and Combinations

van Boven, J. F. M. & Chapman, K. R., 1-Nov-2022, In: The journal of allergy and clinical immunology. In practice. 10, 11, p. 2914-2915 2 p.

Suboptimal Peak Inspiratory Flow and Critical Inhalation Errors are Associated with Higher COPD-Related Healthcare Costs

Leving, M. T., van Boven, J. F. M., Bosnic-Anticevich, S. Z., van Cooten, J., Correia de Sousa, J., Cvetkovski, B., Dekhuijzen, R., Dijk, L., García Pardo, M., Gardev, A., Gawlik, R., van der Ham, I., Hartgers-Gubbels, E. S., Janse, Y., Lavorini, F., Maricoto, T., Meijer, J., Metz, B., Price, D. B., Roman-Rodríguez, M. & 5 others, Schuttel, K., Stoker, N., Tsiligianni, I., Usmani, O. S. & Kocks, J. H., 25-Sep-2022, In: International Journal of Chronic Obstructive Pulmonary Disease. 17, p. 2401-2415 15 p.

Electronic Smart Blister Packages to Monitor and Support Medication Adherence: A Usability Study

Izzah, Z., Zijp, T. R., Åberg, C., Touw, D. J. & van Boven, J. F. M., 13-Sep-2022, In: Patient Preference and Adherence. 16, p. 2543-2558 16 p.

Better use of inhaled medication in asthma and COPD through training, preparation and counselling: the On TRACK study protocol for a cluster randomised controlled trial

te Paske, R., van Dijk, L., Linn, A. J., van Boven, J. F. M., Koster, E. S. & Vervloet, M., 6-Sep-2022, In: BMJ Open. 12, 9, p. 061266.

Cost-Effectiveness of Nintedanib for Patients with Progressive Fibrosing Interstitial Lung Disease (PF-ILD)

Westerink, L., Nicolai, J. L. J., Postma, M. J., van Boven, J. F. M. & Boersma, C., Sep-2022, In: PharmacoEconomics - open. 6, p. 647-656 10 p.

Digital spacer data driven COPD inhaler adherence education: The OUTERSPACE proof-of-concept study

Dierick, B. J. H., Been-Buck, S., Klemmeier, T., Hagedoorn, P., van de Hei, S. J., Kerstjens, H. A. M., Kocks, J. W. H., Zijp, T. R., Wessels, A. M. A., Touw, D. J. & van Boven, J. F. M., Sep-2022, In: *Respiratory Medicine*. 201, 3 p., 106940.

Swiss Priority Setting on Implementing Medication Adherence Interventions as Part of the European ENABLE COST Action

Bandiera, C., Ribaut, J., Dima, A. L., Allemann, S. S., Molesworth, K., Kalumiya, K., Käser, F., Olson, M. S., Burnier, M., van Boven, J. F. M., Szucs, T., Albrecht, D., Wilson, I., De Geest, S. & Schneider, M. P., 12-Aug-2022, In: *International Journal of Public Health*. 67, 4 p., 1605204.

Reimbursed medication adherence enhancing interventions in 12 european countries: Current state of the art and future challenges

Kardas, P., Bago, M., Barnestein-Fonseca, P., Garuolienė, K., Granas, A. G., Gregório, J., Hadžiabdić, M. O., Kostalova, B., Leiva-Fernández, F., Lewek, P., Mala-Ladova, K., Schneider, M. P., van Boven, J. F. M., Volmer, D., Ziampara, I. & Ágh, T., 11-Aug-2022, In: *Frontiers in Pharmacology*. 13, 17 p., 944829.

Pharmacology, particle deposition and drug administration techniques of intranasal corticosteroids for treating allergic rhinitis

Rollema, C., van Roon, E. N., van Boven, J. F. M., Hagedoorn, P., Klemmeier, T., Kocks, J. W. H., Metting, E. I., Elberink, J. N. G. O., Peters, T. T. A., Giorgi, M. R. M. S. & de Vries, T. W., 10-Aug-2022, (E-pub ahead of print) In: *Clinical and Experimental Allergy*.

Towards precision drug therapy in asthma

van Boven, J. F. M., 8-Aug-2022, (E-pub ahead of print) In: *Annals of Translational Medicine*. 10, 17, 3 p., 369.

COVID-19 vaccination in patients receiving allergen immunotherapy (AIT) or biologicals: EAACI recommendations

Jutel, M., Torres, M. J., Palomares, O., Akdis, C. A., Eiwegger, T., Untersmayr, E., Barber, D., Zemelka-Wiacek, M., Kosowska, A., Palmer, E., Vieths, S., Mahler, V., Canonica, W. G., Nadeau, K., Shamji, M. H., Agache, I., Akdis, M., Khaitov, M., Alvarez-Perea, A., Alvaro-Lozano, M. & 31 others, Atanaskovic-Markovic, M., Backer, V., Barbaud, A., Bavbek, S., de Blay, F., Bonini, M., Bonini, S., van Boven, J. F. M., Brockow, K., Cazzola, M., Chatzipetrou, A., Chivato, T., Cianferoni, A., Corren, J., Cristoph-Caubet, J., Dunn-Galvin, A., Ebisawa, M., Firinu, D., Gawlik, R., Gelincik, A., del Giacco, S., Mortz, C. G., Hoffmann, H. J., Hoffmann-Sommergruber, K., Klimek, L., Knol, E., Lauerma, A., de Llano, L. P., Matucci, A., Meyer, R. & Worm, M., Aug-2022, In: *Allergy*. 77, 8, p. 2313-2336 25 p.

Adherence to Statin Therapy and Attainment of LDL Cholesterol Targets in an Outpatient Population of Type 2 Diabetes Patients: Analysis in the DIAbetes and LiFestyle Cohort Twente (DIALECT)

Beernink, J. M., Oosterwijk, M. M., van Boven, J. F. M., Heerspink, H. J. L., Bakker, S. J. L., Navis, G., Nijboer, R. M., Gant, C. M., Haverkate, H., Kruik-Kolloffel, W. J. & Laverman, G. D., 12-Jul-2022, In: *Frontiers in Pharmacology*. 13, 9 p., 888110.

Medication Adherence Measurement Methods in Registration Trials Supporting the Approval of New Medicines in the European Union 2010-2020

Mantila, K. M., Pasmooij, A. M., Hallgreen, C. E., Mol, P. G. & van Boven, J. F., 11-Jul-2022, (Accepted/In press) In: *Clinical Pharmacology & Therapeutics*. 25 p.

Personalizing the Use of a Intermittently Scanned Continuous Glucose Monitoring (isCGM) Device in Individuals With Type 1 Diabetes: A Cost-Effectiveness Perspective in the Netherlands (FLARE-NL 9)

Emamipour, S., van Dijk, P. R., Bilo, H. J. G., Edens, M. A., van der Galiën, O., Postma, M. J., Feenstra, T. L. & van Boven, J. F. M., 9-Jul-2022, (E-pub ahead of print) In: *Journal of Diabetes Science and Technology*.

Can electronic monitoring with a digital smart spacer support personalised medication adherence and inhaler technique education in patients with asthma? Protocol of the randomised controlled OUTERSPACE trial

Dierick, B. H. J., Achterbosch, M., Been-Buck, S., Klemmeier, T., van de Hei, S. J., Hagedoorn, P., Kerstjens, H. A. M., Kocks, J. W. H. & van Boven, J. F. M., 13-Jun-2022, In: *BMJ Open*. 12, 6, 14 p., e059929.

A Pharmacy-Based eHealth Intervention Promoting Correct Use of Medication in Patients With Asthma and COPD: Nonrandomized Pre-Post Study

Schnoor, K., Versluis, A., Bakema, R., van Luenen, S., Kooij, M. J., van den Heuvel, J. M., Teichert, M., Honkoop, P. J., van Boven, J. F. M., Chavannes, N. H. & Aardoom, J. J., 8-Jun-2022, In: *Journal of Medical Internet Research*. 24, 6, 15 p., e32396.

Medication availability and economic barriers to adherence in asthma and COPD patients in low-resource settings

Tabyshova, A., Sooronbaev, T., Akyzbekov, A., Mademilov, M., Isakova, A., Erkinbaeva, A., Magdieva, K., Chavannes, N. H., Postma, M. J. & van Boven, J. F. M., 30-May-2022, In: *npj Primary Care Respiratory Medicine*. 32, 1, 8 p., 20.

Electronic inhaler monitoring (EIM) for chronic airways disease: Development and application of a Multi-Dimensional Efficacy Framework

Tay, T. R., van Boven, J. F. M., Chan, A. & Hew, M., May-2022, In: *Journal of Allergy and Clinical Immunology: In Practice*. 10, 5, 14 p.

Global Variability in Administrative Approval Prescription Criteria for Biologic Therapy in Severe Asthma

Porsbjerg, C. M., Menzies-Gow, A. N., Tran, T. N., Murray, R. B., Unni, B., Audrey Ang, S. L., Alacqua, M., Al-Ahmad, M., Al-Lehebi, R., Altraja, A., Belevskiy, A. S., Björnsdóttir, U. S., Bourdin, A., Busby, J., Canonica, G. W., Christoff, G. C., Cosio, B. G., Costello, R. W., FitzGerald, J. M., Fonseca, J. A. & 39 others, Hansen, S., Heaney, L. G., Heffler, E., Hew, M., Iwanaga, T., Jackson, D. J., Kocks, J. W. H., Kallieri, M., Bruce Ko, H-K., Koh, M. S., Larenas-Linnemann, D., Lehtimäki, L. A., Loukides, S., Lugogo, N., Maspero, J., Papaioannou, A. I., Perez-de-Llano, L., Pitrez, P. M., Popov, T. A., Rasmussen, L. M., Rhee, C. K., Sadatsafavi, M., Schmid, J., Siddiqui, S., Taillé, C., Taube, C., Torres-Duque, C. A., Ulrik, C., Upham, J. W., Wang, E., Wechsler, M. E., Bulathsinhala, L., Carter, V. A., Chaudhry, I., Eleangovan, N., Hosseini, N., Rowlands, M-A., Price, D. A. & van Boven, J. F., May-2022, In: *Journal of Allergy and Clinical Immunology: In Practice*. 10, 5, p. 1202-1216.e23 38 p.

Digital medication adherence technology: towards personalised TB care

van Boven, J. F. M. & Alffenaar, J-W. C., 1-Apr-2022, In: *International Journal of Tuberculosis and Lung Disease*. 26, 4, p. 380-381 2 p.

Impact of Blood Eosinophil Variability in Asthma: A Real-Life Population Study

Toledo-Pons, N., van Boven, J. F. M., Muncunill, J., Millán, A., Román-Rodríguez, M., López-Andrade, B., Almonacid, C., Velasco Álvarez, D., Kocks, J. W. H. & Cosio, B. G., Mar-2022, In: *Annals of the American Thoracic Society*. 19, 3, p. 407-414

Digital Health Technologies to Improve Medication Adherence and Treatment Outcomes in Patients With Tuberculosis: Systematic Review of Randomized Controlled Trials

Ridho, A., Alfian, S. D., van Boven, J. F. M., Levita, J., Yalcin, E. A., Le, L., Alffenaar, J-W., Hak, E., Abdulah, R. & Pradipta, I. S., 23-Feb-2022, In: *Journal of Medical Internet Research*. 24, 2, p. e33062 13 p., e33062.

Emerging bioanalytical methods for drug monitoring in patients receiving chronic drug therapies: a scoping review

Zijp, T. R., Izzah, Z., Aberg, C., Gan, C. T., Bakker, S. J. L., Touw, D. J. & van Boven, J. F. M., 1-Feb-2022, In: *International journal of clinical pharmacy*. 44, 1, p. 285-285 1 p.

Medication adherence in registration trials supporting the approval of new medicines in the European Union

Mantila, K. M., Mol, P. G. M., Pasmooij, M., Hallgreen, C. E. & van Boven, J. F. M., 1-Feb-2022, In: *International journal of clinical pharmacy*. 44, 1, p. 279-280 2 p.

Risk of Neuropsychiatric Adverse Events Associated with Varenicline Treatment for Smoking Cessation among Dutch Population: A Sequence Symmetry Analysis

Wang, Y., van Boven, J. F. M., Bos, J. H. J., Schuilting-Veninga, C. C. M., Boezen, H. M., Wilffert, B. & Hak, E., Feb-2022, In: *Pharmacoepidemiology and Drug Safety*. 31, 2, p. 158-166 9 p.

An Inca trail to the Holy Grail: digital medication adherence support for TB care

van Boven, J. F. M. & Alffenaar, J. W. C., 1-Jan-2022, In: *International Journal of Tuberculosis and Lung Disease*. 26, 1, p. 1-3 3 p.

Medication management practices for non-communicable diseases during the second wave of the Covid-19 pandemic: a snapshot of the European situation

Kardas, P., van Boven, J. F. M., Wettermark, B., Menditto, E., Pinnock, H., Tsiligianni, I. & Agh, T., 1-Jan-2022, In: Value in Health. 25, 1, p. S162 1 p.

Safety-research database for economic evaluations (SRD-EE)

Fens, T., van Boven, J. F. M., Mihajlovic, J., van Puijenbroek, E. P. & Postma, M., 1-Jan-2022, In: Value in Health. 25, 1, p. S273 1 p.

Impact of Socioeconomic Status on Adult Patients with Asthma: A Population-Based Cohort Study from UK Primary Care

Busby, J., Price, D., Al-Lehebi, R., Bosnic-Anticevich, S., van Boven, J. F. M., Emmanuel, B., FitzGerald, J. M., Gaga, M., Hansen, S., Hew, M., Iwanaga, T., Larenas Linnemann, D., Mahboub, B., Mitchell, P., Morrone, D., Pham, J., Porsbjerg, C., Roche, N., Wang, E., Eleangovan, N. & 1 others, Heaney, L. G., 22-Nov-2021, In: Journal of asthma and allergy. 14, p. 1375-1388 14 p.

Clinical Value of Emerging Bioanalytical Methods for Drug Measurements: A Scoping Review of Their Applicability for Medication Adherence and Therapeutic Drug Monitoring

Zijp, T. R., Izzah, Z., Åberg, C., Gan, C. T., Bakker, S. J. L., Touw, D. J. & van Boven, J. F. M., Nov-2021, In: DRUGS. 81, p. 1983-2002 20 p.

Personalized medication adherence management in asthma and COPD: a review of effective interventions and development of a practical adherence toolkit

van de Hei, S. J., Dierick, B. J. H., Aarts, J. E. P., Kocks, J. W. H. & van Boven, J. F. M., Nov-2021, In: Journal of Allergy and Clinical Immunology: In Practice. 9, 11, p. 3979-3994 16 p.

Clinical Characteristics, Treatment Patterns and Economic Burden of COPD in Kyrgyzstan: A FRESH AIR Study

Tabyshova, A., Estebesova, B., Beishenbekova, A., Sooronbaev, T., Brakema, E. A., Chavannes, N. H., Postma, M. J. & van Boven, J. F. M., 11-Oct-2021, In: International Journal of Chronic Obstructive Pulmonary Disease. 16, p. 2833-2843 11 p.

European Network to Advance Best Practices and Technology on Medication Adherence: Mission Statement

van Boven, J. F., Tsiligianni, I., Potočnjak, I., Mihajlović, J., Dima, A. L., Nabergoj Makovec, U., Ágh, T., Kardas, P., Ghiciuc, C. M., Petrova, G., Bitterman, N., Kamberi, F., Culig, J., Wettermark, B. & European Network to Advance Best Practices and Technology on Medication Adherence (ENABLE), 11-Oct-2021, In: Frontiers in Pharmacology. 12, 6 p., 748702.

Research priorities to address the global burden of chronic obstructive pulmonary disease (COPD) in the next decade

Adeloye, D., Agarwal, D., Barnes, P. J., Bonay, M., van Boven, J. F., Bryant, J., Caramori, G., Dockrell, D., D'Urzo, A., Ekström, M., Erhabor, G., Esteban, C., Greene, C. M., Hurst, J., Juvekar, S., Khoo, E. M., Ko, F. W., Lipworth, B., López-Campos, J. L., Maddocks, M. & 18 others, Mannino, D. M., Martinez, F. J., Martinez-Garcia, M. A., McNamara, R. J., Miravittles, M., Pinnock, H., Pooler, A., Quint, J. K., Schwarz, P., Slavich, G. M., Song, P., Tai, A., Watz, H., Wedzicha, J. A., Williams, M. C., Campbell, H., Sheikh, A. & Rudan, I., 1-Oct-2021, In: Journal of global health. 11, 13 p., 15003.

Editorial: Digital Tools to Measure and Promote Medication Adherence

van Boven, J. F. M. & Fonseca, J. A., 27-Sep-2021, In: Frontiers in Medical Technology. 3, 3 p., 751976.

Effects of an eHealth intervention promoting correct use of medication in patients with asthma and chronic obstructive pulmonary disease

Schnoor, K., Versluis, A., Bakema, R., Van Luenen, S., Kooij, M., Van Den Heuvel, M., Hoogland, P., Teichert, M., Van Boven, J., Chavannes, N. & Aardoom, J., 5-Sep-2021, In: European Respiratory Journal. 58, 2 p.

When biology meets behaviour: can medication adherence mask the contribution of pharmacogenetic effects in asthma?

van Boven, J. F. M., Dierick, B. J. H. & Usmani, O. S., 2-Sep-2021, In: European Respiratory Journal. 58, 3, 3 p., 2100304.

Challenges in the Implementation of Chronic Obstructive Pulmonary Disease Guidelines in Low- and Middle-Income Countries An Official American Thoracic Society Workshop Report

Hurst, J. R., Buist, A. S., Gaga, M., Gianella, G. E., Kirenga, B., Khoo, E. M., Mendes, R. G., Mohan, A., Mortimer, K., Rylance, S., Siddharthan, T., Singh, S. J., van Boven, J. F. M., Williams, S., Zhang, J. & Checkley, W., 1-Aug-2021, In: *Annals of the American Thoracic Society*. 18, 8, p. 1269-1277 9 p.

Global burden of medication non-adherence in chronic obstructive pulmonary disease (COPD) and asthma: A narrative review of the clinical and economic case for smart inhalers

Jansen, E. M., van de Hei, S. J., Dierick, B. J. H., Kerstjens, H. A. M., Kocks, J. W. H. & van Boven, J. F. M., 30-Jun-2021, In: *Journal of thoracic disease*. 13, 6, p. 3846-3864 19 p.

A Cross-Sectional Survey on Medication Management Practices for Noncommunicable Diseases in Europe During the Second Wave of the COVID-19 Pandemic

Ágh, T., van Boven, J. F., Wettermark, B., Menditto, E., Pinnock, H., Tsiligianni, I., Petrova, G., Potočnjak, I., Kamberi, F. & Kardas, P., 7-Jun-2021, In: *Frontiers in Pharmacology*. 12, 10 p., 685696.

Biochemical Urine Testing of Medication Adherence and Its Association With Clinical Markers in an Outpatient Population of Type 2 Diabetes Patients: Analysis in the DIAbetes and LiFestyle Cohort Twente (DIALECT)

Beernink, J. M., Oosterwijk, M. M., Khunti, K., Gupta, P., Patel, P., van Boven, J. F. M., Heerspink, H. J. L., Bakker, S. J. L., Navis, G., Nijboer, R. M. & Laverman, G. D., 1-Jun-2021, In: *Diabetes Care*. 44, 6, p. 1419-1425 7 p.

Neuropsychiatric safety of varenicline in the general and COPD population with and without psychiatric disorders: a retrospective cohort study in a real-world setting

Wang, Y., Bos, J. H., Schuiling-Veninga, C. C. M., Boezen, H. M., van Boven, J. F. M., Wilffert, B. & Hak, E., 25-May-2021, In: *BMJ Open*. 11, 5, p. 1-10 10 p., e042417.

Maximizing Adherence and Gaining New Information For Your Chronic Obstructive Pulmonary Disease (MAGNIFY COPD): Study Protocol for the Pragmatic, Cluster Randomized Trial Evaluating the Impact of Dual Bronchodilator with Add-On Sensor and Electronic Monitoring on Clinical Outcomes

Price, D., Jones, R., Pfister, P., Cao, H., Carter, V., Kemppinen, A., Holzhauer, B., Kaplan, A., Clark, A., Halpin, D. M. G., Pinnock, H., Chalmers, J. D., van Boven, J. F. M., Beeh, K. M., Kostikas, K., Roche, N., Usmani, O. & Mastoridis, P., 24-May-2021, In: *Pragmatic and Observational Research*. 12, p. 25-35 11 p.

Recovery from COVID-19: a sprint or marathon? 6-month follow-up data from online long COVID-19 support group members

Vaes, A. W., Goërtz, Y. M. J., Van Herck, M., Machado, F. V. C., Meys, R., Delbressine, J. M., Houben-Wilke, S., Gaffron, S., Maier, D., Burtin, C., Posthuma, R., van Loon, N. P. H., Franssen, F. M. E., Hajian, B., Simons, S. O., van Boven, J. F. M., Klok, F. A., Spaetgens, B., Pinxt, C. M. H., Liu, L. Y. L. & 6 others, Wesseling, G., Spies, Y., Vijlbrief, H., van 't Hul, A. J., Janssen, D. J. A. & Spruit, M. A., 24-May-2021, (E-pub ahead of print) In: *ERJ Open Research*. 7, 2, 12 p., 00141-2021.

Economic evaluations of chronic obstructive pulmonary disease pharmacotherapy: how well are the real-world issues of medication adherence, comorbidities and adverse drug-reactions addressed?

Fens, T., Zhou, G., Postma, M. J., van Puijenbroek, E. P. & van Boven, J. F. M., 3-May-2021, In: *EXPERT OPINION ON PHARMACOTHERAPY*. 22, 7, p. 923-935 13 p.

Disparities in European healthcare system approaches to maintaining continuity of medication for non-communicable diseases during the COVID-19 outbreak

ENABLE collaborators, Kardas, P., van Boven, J. F. M., Pinnock, H., Menditto, E., Wettermark, B., Tsiligianni, I. & Ágh, T., 1-May-2021, In: *The Lancet Regional Health - Europe*. 4, 3 p., 100099.

Process Evaluation of Implementing a Pharmacist-Led Intervention to Improve Adherence to Antihypertensive Drugs Among Patients with Type 2 Diabetes in Indonesian Community Health Centers

Alfian, S. D., van Boven, J. F. M., Iskandarsyah, A., Abdulah, R., Hak, E. & Denig, P., May-2021, In: *Frontiers in Pharmacology*. 12, 9 p., 652018.

GINA 2020: Potential impacts, opportunities and challenges for primary care

Kaplan, A., van Boven, J. F. M., Ryan, D., Tsiligianni, I. & Bosnic-Anticevich, S., 18-Apr-2021, In: *Journal of Allergy and Clinical Immunology: In Practice*. 9, 4, p. 1516-1519 4 p.

Socio-economic costs of asthma

van Boven, J. F. M. & Sadatsafavi, M., 16-Apr-2021, *Global Atlas of Asthma - 2nd edition*. Agache, I. & Akdis, C. A. (eds.). 2 ed. European Academy of Allergy and Clinical Immunology (EAACI), p. 19-22 4 p.

Effectiveness of a targeted and tailored pharmacist-led intervention to improve adherence to antihypertensive drugs among patients with type 2 diabetes in Indonesia: a cluster randomised controlled trial

Alfian, S. D., van Boven, J. F. M., Abdulah, R., Sukandar, H., Denig, P. & Hak, E., 2-Apr-2021, In: *British Journal of Clinical Pharmacology*. 87, 4, p. 2032-2042 11 p.

Work absence in patients with asthma and/or COPD: a population-based study

Dierick, B. J. H., Flokstra-de Blok, B. M. J., van der Molen, T., Toledo-Pons, N., Román-Rodríguez, M., Cosío, B. G., Soriano, J. B., Kocks, J. W. H. & van Boven, J. F. M., 16-Feb-2021, In: *Primary Care Respiratory Medicine*. 31, 1, 7 p., 9.

Gaps in COPD guidelines of low- and middle-income countries: a systematic scoping review

Tabyshova, A., Hurst, J. R., Soriano, J. B., Checkley, W., Wan-Chun Huang, E., Trofor, A. C., Flores-Flores, O., Alupo, P., Gianella, G., Ferdous, T., Meharg, D., Alison, J., Correia de Sousa, J., Postma, M. J., Chavannes, N. H. & van Boven, J. F., 15-Feb-2021, In: *Chest*. 159, 2, p. 575-584 10 p.

Development of the TAI-toolkit: a practical tool for medication adherence management in asthma and COPD

Aarts, J. E. P., van de Hei, S. J., Dierick, B. J. H. & van Boven, J. F. M., 1-Feb-2021, In: *International Journal of Clinical Pharmacy*. 43, 1, p. 291-291 1 p.

Targeted and tailored pharmacist-led intervention improved adherence to antihypertensive drugs

Alfian, S. D., van Boven, J. F. M., Abdulah, R., Sukandar, H., Denig, P. & Hak, E., Feb-2021, In: *International Journal of Clinical Pharmacy*. 43, 1, p. 288-288 1 p.

Strategies for the prevention, diagnosis and treatment of COPD in low- and middle- income countries: the importance of primary care

Rossaki, F. M., Hurst, J. R., van Gemert, F., Kirenga, B. J., Williams, S., Khoo, E. M., Tsiligianni, I., Tabyshova, A. & van Boven, J. F., 2021, In: *Expert review of respiratory medicine*. 15, 12, p. 1563-1577 15 p.

COST-EFFECTIVENESS OF NINTEDANIB IN PATIENTS WITH PROGRESSIVE FIBROSING INTERSTITIAL LUNG DISEASE (PF-ILD) IN THE NETHERLANDS

Westerink, L., Nicolai, J., Postma, M., van Boven, J. F. M. & Boersma, C., 1-Dec-2020, In: *Value in Health*. 23, p. S716-S717 2 p.

Implementing a context-driven awareness programme addressing household air pollution and tobacco: a FRESH AIR study

FRESH AIR Collaborators, Brakema, E. A., van Gemert, F. A., Williams, S., Sooronbaev, T., Emilov, B., Mademilov, M., Tabyshova, A., An, P. L., Quynh, N. N., Hong, L. H. T. C., Dang, T. N., van der Kleij, R. M. J. J., Chavannes, N. H. & de Jong, C., 1-Dec-2020, In: *Primary Care Respiratory Medicine*. 30, 1, 9 p., 42.

PHARMACOECONOMIC EVALUATIONS OF RECENT CHRONIC OBSTRUCTIVE PULMONARY DISEASE PHARMACOTHERAPY: SYSTEMATIC REVIEW OF THEIR READINESS FOR THE REAL-WORLD

Fens, T., Zhou, G., Postma, M., van Puijenbroek, E. P. & van Boven, J. F. M., Dec-2020, In: *Value in Health*. 23, p. S718-S718 1 p.

Switching Inhalers: A Practical Approach to Keep on UR RADAR

Kaplan, A. & van Boven, J. F. M., Dec-2020, In: *Pulmonary Therapy*. 6, p. 381-392 12 p.

A personalised screening strategy for diabetic retinopathy: a cost-effectiveness perspective

Emamipour, S., van der Heijden, A. A. W. A., Nijpels, G., Elders, P. J. M., Beulens, J. W. J., Postma, M., Boven, van, J. & Feenstra, T. L., 1-Nov-2020, In: *Diabetologia*. 63, 11, p. 2452-2461 10 p.

Prevalence and Economic Burden of Respiratory Diseases in Central Asia and Russia: A Systematic Review

Tabyshova, A., Emilov, B., Postma, M. J., Chavannes, N. H., Sooronbaev, T. & van Boven, J. F. M., 15-Oct-2020, In: *International Journal of Environmental Research and Public Health*. 17, 20, p. 1-13 13 p., 7483.

Correction to: Benefits and harm of systemic steroids for short- and long-term use in rhinitis and rhinosinusitis an EAACI position paper (vol 10, 1, 2020)

Hox, V., Lourijsen, E., Jordens, A., Aasbjerg, K., Agache, I., Alobid, I., Bachert, C., Boussery, K., Campo, P., Fokkens, W., Hellings, P., Hopkins, C., Klimek, L., Makela, M., Moesges, R., Mullol, J., Pujols, L., Rondon, C., Rudenko, M., Toppila-Salmi, S. & 7 others, Scadding, G., Scheire, S., Tomazic, P.-V., Van Zele, T., Wagenmann, M., van Boven, J. F. M. & Gevaert, P., 28-Sep-2020, In: *Clinical and translational allergy*. 10, 1, 1 p., 38.

Improving adherence to treatment in COPD. A personalised approach

George, J. & Boven, van, J., 20-Sep-2020, In: *Respiratory Medicine Today*. 5, 2, p. 23-26 4 p.

Evidence-implementation gaps in low- and middle-income countries' COPD guidelines

Tabyshova, A., Hurst, J. R., Soriano, J. B., Checkley, W., Huang, E. W.-C., Trofor, A. C., Flores, O. F., Alupo, P., Gianella, G., Ferdous, T., Meharg, D., Alison, J., De Sousa, J. C., Postma, M. J., Chavannes, N. H. & van Boven, J. F. M., 7-Sep-2020, In: *European Respiratory Journal*. 56, 2 p.

Identification of important respiratory research themes relevant to primary care: qualitative analysis of round 1 of the 2020 International Primary Care Respiratory Group (IPCRG) Research Prioritisation Exercise

Abdel-Aal, A., Jordan, R., Adab, P., Adam, R., Barnard, A., Bouloukaki, I., Van Boven, J. F. M., Chavannes, N., Dickens, A., Van Gemert, F., Escarrer, M., Haroon, S., Kayongo, A., Kirenga, B., Kocks, J., Kotz, D., Lisspers, K., Newby, C., McNulty, C., Metting, E. & 14 others, Moral, L., Papadakis, S., Pinnock, H., Price, D., Ryan, D., Singh, S., De Sousa, J. C., Stallberg, B., Szefer, S. J., Taylor, S., Tsiligianni, I., Turner, A., Weller, D. & Williams, S., 7-Sep-2020, In: *European Respiratory Journal*. 56, 3 p.

Impact of the eosinophil variability on severe exacerbations in an asthmatic population

Pons, N. T., Van Boven, J. F., Farreny, J. M., Pons, A. M., Rodriguez, M. R., Andrade, B. L., Kocks, J. W. & Piqueras, B. G.-C., 7-Sep-2020, In: *European Respiratory Journal*. 56, 2 p.

Lack of knowledge regarding nasal inhaler technique in allergic rhinitis: results from a mixed methods study

Metting, E., Peters, M., Rollema, C., Van Boven, J. F. M. & Sanderman, R., 7-Sep-2020, In: *European Respiratory Journal*. 56, 2 p.

Towards Optimum Reporting of Pulmonary Effectiveness Databases and Outcomes (TORPEDO): a modified Delphi exercise to identify a core dataset for asthma and COPD studies

Van Boven, J., Lucas, S., Parker, G. & Verhamme, K., 7-Sep-2020, In: *European Respiratory Journal*. 56, 2 p.

Critical review of multimorbidity outcome measures suitable for low-income and middle-income country settings: perspectives from the Global Alliance for Chronic Diseases (GACD) researchers

Hurst, J. R., Agarwal, G., van Boven, J. F. M., Daivadanam, M., Gould, G. S., Wan-Chun Huang, E., Maulik, P. K., Miranda, J. J., Owolabi, M. O., Premji, S. S., Soriano, J. B., Vedanthan, R., Yan, L. & Levitt, N., 6-Sep-2020, In: *BMJ Open*. 10, 9, 9 p., e037079.

Health Sector Spending and Spending on HIV/AIDS, Tuberculosis, and Malaria, and Development Assistance for Health: Progress Towards Sustainable Development Goal 3

Global Burden of Disease Collaborators & Boven, van, J., Sep-2020, In: *The Lancet*. 396, 10252, p. 693-724 32 p.

Clinical and economic impact of medication non-adherence in drug-susceptible tuberculosis: a systematic review

Chimeh, R. A., Gafar, F., Pradipta, I. S., Akkerman, O. W., Hak, E., Alffenaar, J-W. C. & van Boven, J. F. M., 1-Aug-2020, In: International Journal of Tuberculosis and Lung Disease. 24, 8, p. 811-819 9 p.

'Frisse' berglucht toch niet altijd gezond?

Brakema, E., Kasteleyn, M., Molendijk, E., Tabyshova, A., van der Kleij, R., van Boven, J. F. M., Numans, M. E., Chavannes, N. H., Emilov, B., Akmatalieva, M., Mademilov, M., Sooronbaev, T. & Williams, S., 1-Jul-2020, In: Huisarts en Wetenschap. 63, 7, p. 1-7 7 p.

Prevalence and Attributable Health Burden of Chronic Respiratory Diseases, 1990-2017: A Systematic Analysis for the Global Burden of Disease Study 2017

GBD Chronic Respiratory Disease Collaborators & Boven, van, J., 5-Jun-2020, In: The Lancet. Respiratory Medicine. 8, 6, p. 585-596 12 p.

Prevalence of Seasonal Influenza Vaccination in Chronic Obstructive Pulmonary Disease (COPD) Patients in the Balearic Islands (Spain) and Its Effect on COPD Exacerbations: A Population-Based Retrospective Cohort Study

Ruiz Azcona, L., Roman-Rodriguez, M., Llord Bove, M., van Boven, J. F. & Santibáñez Margüello, M., 5-Jun-2020, In: International Journal of Environmental Research and Public Health. 17, 11, p. 1-12 12 p., 4027.

Trajectory analyses of adherence patterns in a real-life moderate to severe asthma population

van Boven, J. F. M., Koponen, M., Lalic, S., George, J., Bell, J. S., Hew, M. & Ilomaki, J., Jun-2020, In: Journal of Allergy and Clinical Immunology: In Practice. 8, 6, p. 1961-1969.e6 15 p.

Interventions to improve medication adherence in tuberculosis patients: A systematic review of randomized controlled studies

Pradipta, I. S., Houtsma, D., van Boven, J. F. M., Alffenaar, J-W. C. & Hak, E., 11-May-2020, In: Primary Care Respiratory Medicine. 30, 1, 10 p., 21.

Spacers and Valved Holding Chambers—The Risk of Switching to Different Chambers

Lavorini, F., Barreto, C., van Boven, J. F. M., Carroll, W., Conway, J., Costello, R. W., Dahl, B. H., Dekhuijzen, R. P. N., Holmes, S., Levy, M., Molimard, M., Roche, N., Román-Rodríguez, M., Scichilone, N., Scullion, J. & Usmani, O. S., May-2020, In: Journal of Allergy and Clinical Immunology: In Practice. 8, 5, p. 1569-1573 5 p.

Home initiation of chronic non-invasive ventilation in COPD patients with chronic hypercapnic respiratory failure: a randomised controlled trial

Duiverman, M. L., Vonk, J. M., Bladder, G., van Melle, J. P., Nieuwenhuis, J., Hazenberg, A., Kerstjens, H. A. M., van Boven, J. F. M. & Wijkstra, P. J., 31-Mar-2020, In: Thorax. 75, 3, p. 244-252 9 p.

User Acceptability and Technical Robustness Evaluation of a Novel Smart Pill Bottle Prototype Designed to Support Medication Adherence

Zijp, T. R., Touw, D. J. & Boven, van, J. F. M., 20-Mar-2020, In: Patient Preference and Adherence. 14, p. 625-634 10 p.

Discrepancie tussen indicatie en aflevering van aerosolen

Boven, van, J. & Kooistra, J., 7-Mar-2020, In: Pharmaceutisch Weekblad. 155, 10, p. 36-37 2 p.

Goed volgen nieuwe COPD-richtlijn maakt kostenbesparing mogelijk

van der Pol, S., Fens, T., Kocks, J. W. H., Postma, M. & Boven, van, J., 6-Mar-2020, In: Pharmaceutisch Weekblad. 155, 10, p. 26-27 2 p.

Global and regional burden of chronic respiratory disease in 2016 arising from non-infectious airborne occupational exposures: a systematic analysis for the Global Burden of Disease Study 2016

GBD 2016 Occupational Chronic, Mar-2020, In: OCCUPATIONAL AND ENVIRONMENTAL MEDICINE. 77, 3, p. 142-150 9 p.

Influence of age on real-life effects of doxycycline for acute exacerbations among COPD outpatients: A population-based cohort study

Wang, Y., Bos, J., Boezen, H. M., Alffenaar, J.-W., Boven, van, J., Schuiling-Veninga, C., Wilffert, B. & Hak, E., Mar-2020, In: *BMJ Open Respir Res.* 7, 1, 10 p., e000535.

Let's stop dumping cookstoves in local communities. It's time to get implementation right

FRESH AIR Collaborators, Brakema, E. A., van der Kleij, R. M., Vermond, D., van Gemert, F. A. & Kirenga, B., 10-Jan-2020, In: *Primary Care Respiratory Medicine.* 30, 1, 3 p., 3.

Benefits and harm of systemic steroids for short- And long-term use in rhinitis and rhinosinusitis: An EAACI position paper

Hox, V., Lourijsen, E., Jordens, A., Aasbjerg, K., Agache, I., Alobid, I., Bachert, C., Boussery, K., Campo, P., Fokkens, W., Hellings, P., Hopkins, C., Klimek, L., Mäkelä, M., Mösges, R., Mullol, J., Pujols, L., Rondon, C., Rudenko, M., Toppila-Salmi, S. & 7 others, Scadding, G., Scheire, S., Tomazic, P.-V., Van Zele, T., Wagemann, M., Van Boven, J. F. M. & Gevaert, P., 3-Jan-2020, In: *Clinical and translational allergy.* 10, 1, 27 p., 1.

Targeted and tailored pharmacist-led intervention to improve adherence to antihypertensive drugs among patients with type 2 diabetes in Indonesia: Study protocol of a cluster randomised controlled trial

Alfian, S. D., Abdulah, R., Denig, P., van Boven, J. F. M. & Hak, E., Jan-2020, In: *BMJ Open.* 10, 1, 8 p., e034507.

Burden and socioeconomics of asthma, allergic rhinitis, atopic dermatitis and food allergy

Dierick, B. J. H., van der Molen, T., Flokstra-de Blok, B. M. J., Muraro, A., Postma, M. J., Kocks, J. W. H. & van Boven, J. F. M., 2020, In: *Expert review of pharmacoeconomics & outcomes research.* 20, 5, p. 437-453 17 p.

The socioeconomic burden of chronic lung disease in low-resource settings across the globe - an observational FRESH AIR study

FRESH AIR Collaborators, Brakema, E. A., Tabyshova, A., van der Kleij, R. M. J. J., Sooronbaev, T., Lionis, C., Anastasaki, M., Pham Le An, T., Luan Than Nguyen, Kirenga, B., Walusimbi, S., Postma, M. J., Chavannes, N. H. & van Boven, J. F. M., 21-Dec-2019, In: *Respiratory Research.* 20, 1, 10 p., 291.

PDB34 A PERSONALIZED SCREENING STRATEGY FOR DIABETIC RETINOPATHY: A COST-EFFECTIVENESS PERSPECTIVE

Emamipour, S., van der Heijden, A. A. W. A., Postma, M., van Boven, J. F. M. & Feenstra, T., 1-Nov-2019, In: *Value in Health.* 22, p. 578 1 p.

Mapping 123 million neonatal, infant and child deaths between 2000 and 2017

Global Burden of Disease Collaborators, Burstein, R., Henry, N. J., Collison, M. L., Marczak, L. B., Sligar, A., Watson, S., Marquez, N., Abbasalizad-Farhangi, M., Abbasi, M., Abd-Allah, F., Abdoli, A., Abdollahi, M., Abdollahpour, I., Abdulkader, R. S., Abrigo, M. R. M., Acharya, D., Adebayo, O. M., Adekanmbi, V., Adham, D. & 31 others, Afshari, M., Aghaali, M., Ahmadi, K., Ahmadi, M., Ahmadpour, E., Ahmed, R., Akal, C. G., Akinyemi, J. O., Alahdab, F., Alam, N., Alamene, G. M., Alene, K. A., Alijanzadeh, M., Alinia, C., Alipour, V., Aljunid, S. M., Almalki, M. J., Al-Mekhlafi, H. M., Altirkawi, K., Alvis-Guzman, N., Amegah, A. K., Amini, S., Amit, A. M. L., Anbari, Z., Androudi, S., Anjomshoa, M., Fischer, F., Shushtari, Z. J., Khan, M. S., Shuval, K. & van Boven, J. F. M., 18-Oct-2019, In: *Nature.* 574, 7778, p. 353-358 6 p.

Economic Impact of Reducing Inappropriate Inhaled Corticosteroids Use in Patients With Chronic Obstructive Pulmonary Disease: ISPOR's guidance on budget impact in practice

Fens, T., van der Pol, S., Kocks, J. W. H., Postma, M. J. & van Boven, J. F. M., Oct-2019, In: *Value in Health.* 22, 10, p. 1092-1101 10 p.

Real-life effectiveness of inhaler device switch from dry powder inhalers to pressurized metered-dose inhalers in patients with asthma treated with ICS/LABA

Park, H.-S., Yoon, D., Lee, H. Y., Ban, G.-Y., Wan Yau Ming, S., Jie, J. L. Z., Carter, V., Hardjojo, A., Van Boven, J. F. M. & Price, D. B., Oct-2019, In: *Respirology.* 24, 10, p. 972-979 8 p.

Smart Medication Adherence Monitoring in Clinical Drug Trials: A Prerequisite for Personalised Medicine?

Zijp, T. R., Mol, P. G. M., Touw, D. J. & van Boven, J. F. M., Oct-2019, In: *EClinicalMedicine.* 15, p. 3-4 2 p.

De-implementing inappropriate inhaled steroids use in Dutch COPD patients in primary care

de Jong, C., Van Boven, J., Schermer, T., Riemersma, R., Brill, E., Van Den Berge, M., Van Der Molen, T. & Kocks, J., 28-Sep-2019, In: *European Respiratory Journal*. 54, 3 p.

Effectiveness and acceptability of a smart inhaler asthma self-management programme: a cluster RCT study protocol

van de Hei, S. J., Poot, C. C., Meijer, E., Metting, E. I., Postma, M. J., Van Boven, J. F. M., Chavannes, N. H. & Kocks, J. W. H., 28-Sep-2019, In: *European Respiratory Journal*. 54, 3 p.

Effects of implementing improved cookstoves and heaters to reduce household air pollution: a FRESH AIR study

van Gemert, F., De Jong, C., Kirenga, B., Musinguzi, P., Buteme, S., Sooronbaev, T., Tabyshova, A., Emilov, B., Mademilov, M., An Pham Le, T., Quynh Nguyen Nhat, Dang Tran Ngoc, Hong Le Huynh Thi Cam, Chartier, R. & Van Boven, J., 28-Sep-2019, In: *European Respiratory Journal*. 54, 3 p.

Eosinophil distribution and description in a population cohort of asthmatic patients

Pons, N. T., Van Boven, J. F., Roman-Rodriguez, M., Milian, A., Kocks, J. W. H., Soriano, J. B. & Cosio, B. G., 28-Sep-2019, In: *European Respiratory Journal*. 54, 2 p.

Home initiation of chronic high-intensity noninvasive ventilation in COPD patients with chronic hypercapnic respiratory failure: the RECONSIDER trial

Duiverman, M. L., Bladder, G., Vonk, J. M., Van Boven, J. F. M., Nieuwenhuis, J., Hazenberg, A., Kerstjens, H. A. M. & Wijkstra, P. J., 28-Sep-2019, In: *European Respiratory Journal*. 54, 2 p.

Groningen pakt therapietrouw aan met multidisciplinair centrum: Apothekers, artsen en andere zorgverleners werken aan goed medicijngebruik

Boven, van, J., Stevens, J., Brand, P. & Dijk, van, L., 13-Sep-2019, In: *Pharmaceutisch Weekblad*. 154, 37, p. 10-12 3 p.

Costs of clinical events in type 2 diabetes mellitus patients in the Netherlands: A systematic review

van Schoonhoven, A. V., Gout-Zwart, J. J., de Vries, M. J. S., van Asselt, A. D. I., Dvortsin, E., Vemer, P., van Boven, J. F. M. & Postma, M. J., 6-Sep-2019, In: *PLoS ONE*. 14, 9, 22 p., e0221856.

Prevalence and Characteristics of Asthma-COPD Overlap in Routine Primary Care Practices

Krishnan, J. A., Nibber, A., Chisholm, A., Price, D., Bateman, E. D., Bjermer, L., van Boven, J. F., Brusselle, G., Costello, R. W., Dandurand, R. J., Diamant, Z., Van Ganse, E., Gouder, C., van Kampen, S. C., Kaplan, A., Kocks, J., Miravittles, M., Niimi, A., Pizzichini, E., Rhee, C. K. & 5 others, Soriano, J. B., Vogelmeier, C., Román-Rodríguez, M., Carter, V. & Roche, N., Sep-2019, In: *Annals of the American Thoracic Society*. 16, 9, p. 1143-1150 8 p.

Effects and acceptability of implementing improved cookstoves and heaters to reduce household air pollution: a FRESH AIR study

FRESH AIR Collaborators, van Gemert, F., de Jong, C., Kirenga, B., Musinguzi, P., Buteme, S., Sooronbaev, T., Tabyshova, A., Emilov, B., Mademilov, M., Le An, P., Quynh, N. N., Dang, T. N., Hong, L. H. T. C., Chartier, R., Brakema, E. A. & van Boven, J. F. M., 15-Aug-2019, In: *Primary Care Respiratory Medicine*. 29, 1, 9 p., 32.

Voorzetkamers zijn niet een-op-een uitwisselbaar

Dekhuijzen, P. N. R., van Aalderen, W. M. C., Kievits, R. M. M., Kooistra, J., Hagedoorn, P. & Boven, van, J., 15-Aug-2019, In: *Nederlands tijdschrift voor allergie & astma*. 19, 3, p. 90-94 5 p.

Costs of case-finding uncovered: time to revisit COPD's value pyramid?

van Boven, J. F. M., Aug-2019, In: *Thorax*. 74, 8, p. 727-729 3 p.

Diabetes mellitus comorbidity in patients enrolled in tuberculosis drug efficacy trials around the world: A systematic review

Lutfiana, N. C., van Boven, J. F. M., Zubair, M. A. M., Pena, M. J. & Alffenaar, J-W. C., Jul-2019, In: *British Journal of Clinical Pharmacology*. 85, 7, p. 1407-1417 11 p.

The Hidden Story of Nonadherence with Asthma Therapy: For a Few Dollars More?

van Boven, J. F. M. & Chapman, K. R., 21-Jun-2019, In: *Journal of Allergy and Clinical Immunology: In Practice*. 7, 7, p. 2307-2308 2 p.

Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995-2050

Global Burden Dis Hlth Financing C, 1-Jun-2019, In: The Lancet. 393, 10187, p. 2233-2260 28 p.

Prevalence and Etiology of Community-acquired Pneumonia in Immunocompromised Patients

GLIMP Investigators, Di Pasquale, M. F., Sotgiu, G., Gramegna, A., Radovanovic, D., Terraneo, S., Reyes, L. F., Rupp, J., del Castillo, J. G., Blasi, F., Aliberti, S. & Restrepo, M. I., 1-May-2019, In: Clinical Infectious Diseases. 68, 9, p. 1482-1493 12 p.

COPD's early origins in low-and-middle income countries: what are the implications of a false start?

FRESH AIR Collaborators, Brakema, E. A., van Gemert, F. A., van der Kleij, R. M. J. J., Salvi, S., Puhan, M. & Chavannes, N. H., 5-Mar-2019, In: Primary Care Respiratory Medicine. 29, 3 p., 6.

Does Changing Inhaler Device Impact Real-Life Asthma Outcomes? Clinical and Economic Evaluation

Rhee, C. K., van Boven, J. F. M., Yau Ming, S. W., Park, H. Y., Kim, D. K., Park, H-S., Zhi Jie, J. L., Yoo, K-H. & Price, D. B., 1-Mar-2019, In: Journal of Allergy and Clinical Immunology: In Practice. 7, 3, p. 934-942 9 p.

Making sense of cost-effectiveness analyses in respiratory medicine: a practical guide for non-health economists

van Boven, J. F. M., van de Hei, S. J. & Sadatsafavi, M., 1-Mar-2019, In: European Respiratory Journal. 53, 3, 11 p., 1801816.

An international perspective on hospitalized patients with viral community-acquired pneumonia

GLIMP Study Group, Radovanovic, D., Sotgiu, G., Jankovic, M., Mahesh, P. A., Marcos, P. J., Abdalla, M. I., Di Pasquale, M. F., Gramegna, A., Terraneo, S., Blasi, F., Santus, P., Aliberti, S., Reyes, L. F., Restrepo, M. I., Aruj, P. K., Attorri, S., Barimboim, E., Caeiro, J. P., Garzón, M. I. & 31 others, Cambursano, V. H., Ceccato, A., Chertcoff, J., Cordon Díaz, A., de Vedia, L., Ganaha, M. C., Lambert, S., Lopardo, G., Luna, C. M., Malberti, A. G., Morcillo, N., Tartara, S., Pensotti, C., Pereyra, B., Scapellato, P. G., Stagnaro, J. P., Shah, S., Lötsch, F., Thalhammer, F., Anseeuw, K., Francois, C. A., Van Braeckel, E., Vincent, J. L., Djimon, M. Z., Aranha Nouér, S., Chipev, P., Encheva, M., Xu, J-F., Rusu, D., Toma, C. & van Boven, J. F. M., 1-Feb-2019, In: European Journal of Internal Medicine. p. 54-70 60.

Development of the International Severe Asthma Registry (ISAR): A modified Delphi study

Bulathsinhala, L., Eleangovan, N., Heaney, L. G., Menzies-Gow, A., Gibson, P. G., Peters, M., Hew, M., van Boven, J. F., Lehtimäki, L., van Ganse, E., Belhassen, M., Harvey, E., Perez de Llano, L., Maitland-van der Zee, A. H., Papadopoulos, N., FitzGerald, J. M., Porsbjerg, C., Canonica, G. W., Backer, V., Rhee, C. K. & 10 others, Verhamme, K., Buhl, R., Cosio, B. G., Carter, V., Price, C., Le, T., Stagno d'Alcontres, M., Gopalan, G., Tran, T. & Price, D., 1-Feb-2019, In: Journal of Allergy and Clinical Immunology: In Practice. 7, 2, p. 578-588 13 p.

High COPD prevalence at high altitude: does household air pollution play a role?

Brakema, E. A., Tabyshova, A., Kasteleyn, M. J., Molendijk, E., van der Kleij, R. M. J. J., van Boven, J. F. M., Emilov, B., Akmatalieva, M., Mademilov, M., Numans, M. E., Williams, S., Sooronbaev, T. & Chavannes, N. H., 1-Feb-2019, In: European Respiratory Journal. 53, 2, 10 p., 1801193.

Voorzetkamers zijn niet één-op-één uitwisselbaar

Dekhuijzen, P. N. R., Van Aalderen, W. M. C., Kievits, R. M. M., Kooistra, J., Hagedoorn, P. & Van Boven, J. F. M., 25-Jan-2019, In: Pharmaceutisch Weekblad. 154, 4, p. 10-13 4 p.

ACO: Time to move from the description of different phenotypes to the treatable traits

Toledo-Pons, N., van Boven, J. F. M., Román-Rodríguez, M., Pérez, N., Valera Felices, J. L., Soriano, J. B. & Cosío, B. G., 24-Jan-2019, In: PLoS ONE. 14, 1, 15 p., e0210915.

Predicting Short-term and Long-term HbA1c Response after Insulin Initiation in Patients with Type 2 Diabetes Mellitus using Machine Learning

Nagaraj, S. B., Sidorenkov, G., van Boven, J. F. M. & Denig, P., 2019, In: Diabetes obesity & metabolism. 21, p. 2704-2711 8 p.

Global Alliance for Chronic Disease researchers' statement on multimorbidity

GACD Multi-Morbidity Working Group, Hurst, J. R., Dickhaus, J., Maulik, P. K., Miranda, J. J., Pastakia, S. D., Soriano, J. B., Siddharthan, T. & Vedanthan, R., 1-Dec-2018, In: *The Lancet Global Health*. 6, 12, p. 1270-1271 2 p.

Development of a cost-effectiveness model to assess asthma inhaler adherence and technique interventions

Kim, C., Dilokthornsakul, P., Campbell, J. D. & Van Boven, J. F. M., 1-Nov-2018, In: *Respirology*. 23, p. 211 1 p.

Real-world effectiveness evaluation of budesonide/formoterol Spiromax for the management of asthma and chronic obstructive pulmonary disease in the UK

Voorham, J., Roche, N., Benhaddi, H., van der Tol, M., Carter, V., van Boven, J. F. M., Bjermer, L., Miravittles, M. & Price, D. B., 27-Oct-2018, In: *BMJ Open*. 8, 10, 12 p., e022051.

Alcohol use and burden for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016

GBD 2016 Alcohol Collaborators, Griswold, M. G., Fullman, N., Hawley, C., Arian, N., Zimsen, S. R. M., Tymeson, H. D., Venkateswaran, V., Tapp, A. D., Forouzanfar, M. H., Salama, J. S., Abate, K. H., Abate, D., Abay, S. M., Abbafati, C., Abdulkader, R. S., Abebe, Z., Aboyans, V., Abrar, M. M., Acharya, P. & 31 others, Adetokunboh, O. O., Adhikari, T. B., Adsuar, J. C., Afarideh, M., Agardh, E. E., Agarwal, G., Aghayan, S. A., Agrawal, S., Ahmed, M. B., Akibu, M., Akinyemiju, T., Akseer, N., Al Asfoor, D. H., Al-Aly, Z., Alahdab, F., Alam, K., Albujeer, A., Alene, K. A., Ali, R., Ali, S. D., Alijanzadeh, M., Aljunid, S. M., Alkerwi, A., Allebeck, P., Alvis-Guzman, N., Amare, A. T., Aminde, L. N., Ammar, W., Leigh, J., Postma, M. J. & Van Boven, J. F. M., 22-Sep-2018, In: *LANCET*. 392, 10152, p. 1015-1035 21 p.

The silent socioeconomic impact of COPD/asthma in Africa, Asia and Europe - a FRESH AIR study

Brakema, E., Tabyshova, A., Van der Kleij, R., Sooronbaev, T., Lionis, C., Anastasaki, M., Pham Le An, T., Nguyen Than Luan, Kirenga, B., Walusimbi, S., Postma, M., Chavannes, N. & Van Boven, J., 15-Sep-2018, In: *European Respiratory Journal*. 52, 2 p.

Why prescribe ICS to Dutch COPD patients in primary care, and when and how to stop. Data from focus groups with patients and health care providers

De Jong, C., Van Boven, J., Schermer, T., Riemersma, R., Brill, E., Van Den Berge, M., Van Der Molen, T. & Kocks, J., 15-Sep-2018, In: *European Respiratory Journal*. 52, 2 p.

The impact of asthma and/or COPD on work absence

Dierick, B., De Blok, B. F., Van Der Molen, T., Toledo-Pons, N., Roman-Rodriguez, M., Cosio, B. G., Soriano, J. B., Kocks, J. W. H. & Van Boven, J. F. M., Sep-2018.

Burden and risk factors for Pseudomonas aeruginosa community-acquired pneumonia: A multinational point prevalence study of hospitalised patients

GLIMP Study Group, 1-Aug-2018, In: *European Respiratory Journal*. 52, 2, 14 p.

The burden of disease in Greece, health loss, risk factors, and health financing, 2000-16: an analysis of the Global Burden of Disease Study 2016

Global Burden of Disease 2016 Greece Collaborators, 1-Aug-2018, In: *The Lancet Public Health*. 3, 8, p. 395-406 12 p.

Cost-Effectiveness of Biological Asthma Treatments: A Systematic Review and Recommendations for Future Economic Evaluations

McQueen, R. B., Sheehan, D. N., Whittington, M. D., van Boven, J. F. M. & Campbell, J. D., Aug-2018, In: *Pharmacoeconomics*. 36, 8, p. 957-971 15 p.

HbA1c response after insulin initiation in patients with type 2 diabetes mellitus in real life practice: Identifying distinct subgroups

Sidorenkov, G., van Boven, J. F. M., Hoekstra, T., Nijpels, G., Hoogenberg, K. & Denig, P., Aug-2018, In: *Diabetes obesity & metabolism*. 20, 8, p. 1957-1964 8 p.

Personalising adherence-enhancing interventions using a smart inhaler in patients with COPD: An exploratory cost-effectiveness analysis

van Boven, J. F. M., Cushen, B., Sulaiman, I., Greene, G., MacHale, E., Mokoka, M. C., Doyle, F., Reilly, R. B., Bennett, K. & Costello, R. W., 27-Jun-2018, In: Primary Care Respiratory Medicine. 28, 1, 3 p., 24.

The Clinical Impact of Different Adherence Behaviours in Patients with Severe COPD

Cushen, B., Sulaiman, I., Greene, G., MacHale, E., Mokoka, M., Reilly, R. B., Bennett, K., Doyle, F., van Boven, J. F. & Costello, R. W., 15-Jun-2018, In: American Journal of Respiratory and Critical Care Medicine. 197, 12, p. 1630-1633 3 p.

Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: A systematic analysis from the Global Burden of Disease Study 2016

GBD 2016 Healthcare Access and Quality Collaborators, 2-Jun-2018, In: The Lancet. 391, 10136, p. 2236-2271 36 p.

Addressing the Impact and Unmet Needs of Nonadherence in Asthma and Chronic Obstructive Pulmonary Disease: Where Do We Go From Here?

Dekhuijzen, R., Lavorini, F., Usmani, O. S. & van Boven, J. F. M., 1-May-2018, In: Journal of Allergy and Clinical Immunology: In Practice. 6, 3, p. 785-793 9 p.

Diabetes mellitus and chronic kidney disease in the Eastern Mediterranean Region: findings from the Global Burden of Disease 2015 study

Moradi-Lakeh, M., El Bcheraoui, C., Khalil, I., Charara, R., Afshin, A., Wang, H., Collison, M., Krohn, K. J., Chew, A., Daoud, F., Blosser, C. D., Cornaby, L., Foreman, K. J., Kassebaum, N. J., Kemmer, L., Kutz, M., Liu, P., Zipkin, B., Årnlöv, J., Abate, K. H. & 31 others, Ahmadi, A., Ahmadi, H., Ahmed, M. B., Al-Aly, Z., Alam, K., Alasfoor, D., Ali, R., Alizadeh-Navaei, R., Alkaabi, J. M., Alkerwi, A., Al-Raddadi, R., Altirkawi, K. A., Alvis-Guzman, N., Amini, E., Anber, N., Anwari, P., Asgedom, S. W., Atey, T. M., Avila-Burgos, L., Awasthi, A., Azzopardi, P., Bärnighausen, T., Bacha, U., Barac, A., Bazargan-Hejazi, S., Bedi, N., Berhe, D. F., Beyene, A. S., Birhanu, M. M., van Boven, J. F. M. & Gbd 2015 Eastern Mediterranean Region Diabetes And Ckd Collaborators, May-2018, In: International Journal of Public Health. 63, Supplement 1, p. 177-186 10 p.

Availability, use, and affordability of medicines in urban China under universal health coverage: An empirical study in Hangzhou and Baoji

Huang, Y., Jiang, Y., Zhang, L., Mao, W., van Boven, J. F. M., Postma, M. J. & Chen, W., 27-Mar-2018, In: BMC Health Services Research. 18, 1, 10 p., 218.

Asthma Cost-Effectiveness Analyses: Are We Using the Recommended Outcomes in Estimating Value?

Kim, C. H., Dilokthornsakul, P., Campbell, J. D. & van Boven, J. F. M., 2018, In: Journal of Allergy and Clinical Immunology: In Practice. 6, 2, p. 619-632 14 p.

Deimplementation of ICS use in COPD patients in primary care, barriers and facilitators

de Jong, C., van Boven, J., Schermer, T. R. J., Riemersma, R., Brill, E., van den Berge, M., van der Molen, T. & Kocks, J. W. H., 2018.

Reasons to start and stop ICS in COPD

de Jong, C., van Boven, J., Schermer, T. R. J., Riemersma, R., Brill, E., van den Berge, M., van der Molen, T. & Kocks, J. W. H., 2018.

Indacaterol/glycopyrronium is cost-effective compared to salmeterol/fluticasone in COPD: FLAME-based modelling in a Swedish population

Bjermer, L., van Boven, J. F. M., Costa-Scharplatz, M., Keininger, D. L., Gutzwiller, F. S., Lisspers, K., Mahon, R., Olsson, P. & Roche, N., 11-Dec-2017, In: Respiratory Research. 18, 10 p., 206.

Relationship of inhaler adherence behaviour to clinical outcomes in copd: an observational study

Cushen, B., Greene, G., Sulaiman, I., Bennett, K., MacHale, E., Mokoka, M. C., van Boven, J. F. & Costello, R. W., 1-Nov-2017, In: Thorax. 72, Suppl 3, A228.

CHANGING ICS/LABA THERAPY FROM DPI TO PMDI: AN OBSERVATIONAL STUDY ON ASTHMA COST OUTCOMES IN SOUTH KOREA

Rhee, C. K., Park, H. Y., Yoo, K. H., Kim, D. K., Park, H-S., Ming, S. W. Y., van Boven, J., Ling, J. Z. J. & Price, D., Nov-2017, In: *Respirology*. 22, p. 96 1 p.

Costs of clinical events in diabetes type 2 patients in The Netherlands: A systematic review

Van Schoonhoven, A., De Vries, M., Gout-Zwart, J., Vemer, P., Van Boven, J., Dvortsin, E. & Postma, M. J., 1-Oct-2017, In: *Value in Health*. 20, p. 485-486 2 p.

Real-world cost effectiveness comparison of symbicort turbuhaler and duoresp spiromax in UK patients with asthma or chronic obstructive pulmonary disease

Van Boven, J., Benhaddi, H., Roche, N., Bjermer, L., Miravittles, M., Voorham, J. & Price, D., 1-Oct-2017, In: *Value in Health*. 20, p. 645 1 p.

Global, regional, and national age-sex specific mortality for 264 causes of death, 1980-2016: a systematic analysis for the Global Burden of Disease Study 2016

GBD 2016 Causes of Death Collaborators, 16-Sep-2017, In: *The Lancet*. 390, 10100, p. 1151-1210 60 p.

Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016

Gakidou, E., Afshin, A., Abajobir, A. A., Abate, K. H., Abbafati, C., Abbas, K. M., Abd-Allah, F., Abdulle, A. M., Abera, S. F., Aboyans, V., Abu-Raddad, L. J., Abu-Rmeileh, N. M. E., Abyu, G. Y., Adedeji, I. A., Adetokunboh, O., Afarideh, M., Agrawal, A., Agrawal, S., Kiadaliri, A. A., Ahmadi, H. & 31 others, Ahmed, M. B., Aichour, A. N., Aichour, I., Aichour, M. T. E., Akinyemi, R. O., Akseer, N., Alahdab, F., Al-Aly, Z., Alam, K., Alam, N., Alam, T., Alasfoor, D., Alene, K. A., Ali, K., Alizadeh-Navaei, R., Alkerwi, A., Alla, F., Allebeck, P., Al-Raddadi, R., Alsharif, U., Altirkawi, K. A., Alvis-Guzman, N., Amare, A. T., Amini, E., Ammar, W., Amoako, Y. A., Ansari, H., Berhe, D. F., Hoek, H. W., van Boven, J. F. M. & GBD Risk Factors Collaborators, 16-Sep-2017, In: *The Lancet*. 390, 10100, p. 1345-1422 78 p.

Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016

Hay, S. I., Abajobir, A. A., Abate, K. H., Abbafati, C., Abbas, K. M., Abd-Allah, F., Abdulle, A. M., Abebo, T. A., Abera, S. F., Aboyans, V., Abu-Raddad, L. J., Ackerman, I. N., Adedeji, I. A., Adetokunboh, O., Afshin, A., Aggarwal, R., Agrawal, S., Agrawal, A., Kiadaliri, A. A., Ahmed, M. B. & 31 others, Aichour, A. N., Aichour, I., Aichour, M. T. E., Aiyar, S., Akinyemiju, T. F., Akseer, N., Al Lami, F. H., Alahdab, F., Al-Aly, Z., Alam, K., Alam, N., Alam, T., Alasfoor, D., Alene, K. A., Ali, R., Alizadeh-Navaei, R., Alkaabi, J. M., Alkerwi, A., Alla, F., Allebeck, P., Allen, C., Al-Maskari, F., AlMazroa, M. A., Al-Raddadi, R., Alsharif, U., Amare, A. T., Berhe, D. F., Hoek, H. W., Liu, Y., van Boven, J. F. M. & GBD 2016 DALYs HALE Collaborators, 16-Sep-2017, In: *The Lancet*. 390, 10100, p. 1260-1344 85 p.

Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016

GBD 2016 Dis Injury Incidence Prev, 16-Sep-2017, In: *The Lancet*. 390, 10100, p. 1211-1259 49 p.

Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970-2016: a systematic analysis for the Global Burden of Disease Study 2016

GBD 2016 Mortality Collaborators, 16-Sep-2017, In: *The Lancet*. 390, 10100, p. 1084-1150 67 p.

Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: An analysis from the Global Burden of Disease Study 2016

Fullman, N., Barber, R. M., Abajobir, A. A., Abate, K. H., Abbafati, C., Abbas, K. M., Abd-Allah, F., Abdulle, A. M., Abera, S. F., Aboyans, V., Abu-Raddad, L. J., Abu-Rmeileh, N. M. E., Adedeji, I. A., Adetokunboh, O., Afshin, A., Agrawal, A., Agrawal, S., Kiadaliri, A. A., Ahmadi, H., Ahmed, M. B. & 31 others, Aichour, A. N., Aichour, I., Aichour, M. T. E., Aiyar, S., Akinyemi, R. O., Akseer, N., Al-Aly, Z., Alam, K., Alam, N., Alasfoor, D., Alene, K. A., Alizadeh-Navaei, R., Alkerwi, A., Alla, F., Allebeck, P., Allen, C., Al-Raddadi, R., Alsharif, U., Altirkawi, K. A., Alvis-Guzman, N., Amare, A. T., Amini, E., Ammar, W., Antonio, C. A. T., Ansari, H., Anwari, P., Arora, M., Berhe, D. F., Hoek, H. W., van Boven, J. F. M. & GBD 2016 SDG Collaborators, 16-Sep-2017, In: *The Lancet*. 390, 10100, p. 1423-1459 37 p.

Asthma cost-effectiveness analyses: Are we using the recommended outcomes in estimating value?

Dilokthornsakul, P., Campbell, J. D., van Boven, J. F. M. & Kim, C. H., 1-Sep-2017, In: *European Respiratory Journal*. 50, 61, 1 p.

Global, regional, and national deaths, prevalence, disability-adjusted life years, and years lived with disability for chronic obstructive pulmonary disease and asthma, 1990–2015: a systematic analysis for the Global Burden of Disease Study 2015: a systematic analysis for the Global Burden of Disease Study 2015

Soriano, J. B., Abajobir, A. A., Abate, K. H., Abera, S. F., Agrawal, A., Ahmed, M. B., Aichour, A. N., Aichour, I., Aichour, M. T. E., Alam, K., Alam, N., Alkaabi, J. M., Al-Maskari, F., Alvis-Guzman, N., Amberbir, A., Amoako, Y. A., Ansha, M. G., Anto, J. M., Asayesh, H., Atey, T. M. & 31 others, Avokpaho, E. F. G. A., Barac, A., Basu, S., Bedi, N., Bensenor, I. M., Berhane, A., Beyene, A. S., Bhutta, Z. A., Biryukov, S., Boneya, D. J., Brauer, M., Carpenter, D. O., Casey, D., Christopher, D. J., Dandona, L., Dandona, R., Dharmaratne, S. D., Huyen Phuc Do, Fischer, F., Geleto, A., Ghoshal, A. G., Gillum, R. F., Ginawi, I. A. M., Gupta, V., Hay, S. I., Hedayati, M. T., Horita, N., Hosgood, H. D., Jakovljevic, M. M. B., van Boven, J. F. M. & GBD 2015 Chronic Resp Dis Collabor, 1-Sep-2017, In: *The Lancet. Respiratory Medicine*. 5, 9, p. 691-706 16 p.

Indacaterol/glycopyrronium (IND/GLY) is cost-effective compared with salmeterol/fluticasone (SFC) in Swedish chronic obstructive pulmonary disease (COPD) patients

Bjermer, L., van Boven, J. F. M., Costa-Scharplatz, M., Gutzwiller, F. S., Lisspers, K., Mahon, R., van der Molen, T., Olsson, P., Roche, N. & Burke, C., 1-Sep-2017, In: *European Respiratory Journal*. 50, 1 p.

Late Breaking Abstract - Health economic burden of asthma/COPD in Uganda, Vietnam, Kyrgyzstan and Greece: FRESH AIR results

van Boven, J. F. M., Brakema, E. A., Walusimbi, S., Anastasaki, M., Tabyshova, A., Luan Nguyen, Lionis, C., Tsiligianni, I. A., Kirenga, B. J., An, P. L., Sooronbaev, T., Postma, M. J. & Chavannes, N. H., 1-Sep-2017, In: *European Respiratory Journal*. 50, 1 p.

Real-life evaluation of budesonide/formoterol (DuoResp Spiromax) for the management of asthma and COPD in the UK

Roche, N., Benhaddi, H., van der Tol, M., Chambers, J., van Boven, J. F. M., Bjermer, L., Miravittles, M., Price, D. & Voorham, J., 1-Sep-2017, In: *European Respiratory Journal*. 50, 1 p.

Electric scooters: Batteries in the battle against ambient air pollution?

van Boven, J. F. M., An, P. L., Kirenga, B. J. & Chavannes, N. H., 4-Aug-2017, In: *The Lancet Planetary Health*. 1, 5, 2 p.

Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990–2015: a novel analysis from the Global Burden of Disease Study 2015

van Boven, J. & GBD 2015 Healthcare Access and Quality Collaborators, 15-Jul-2017, In: *The Lancet*. 390, 10091, p. 231-266 36 p.

Costly comorbidities of COPD: The ignored side of the coin?

van Boven, J. F. M., 1-Jul-2017, In: *European Respiratory Journal*. 50, 3 p., 1700917.

In patients with severe uncontrolled asthma, does knowledge of adherence and inhaler technique using electronic monitoring improve clinical decision making?: A protocol for a randomised controlled trial

Mokoka, M. C., Lombard, L., MacHale, E., Walsh, J., Cushen, B., Sulaiman, I., Mc Carthy, D., Boland, F., Doyle, F., Hunt, E., Murphy, D. M., Faul, J., Butler, M., Hetherington, K., Fitzgerald, J. M., van Boven, J. F. M., Heaney, L. G., Reilly, R. & Costello, R. W., Jun-2017, In: *BMJ Open*. 7, 6, 10 p., e015367.

Clinical characteristics, treatment patterns, and socio-economic burden of COPD in Bulgaria

Kamusheva, M., Dimitrova, M., van Boven, J. F. M., Postma, M. J., van der Molen, T., Kocks, J. W. H., Mitov, K., Doneva, M., Petrova, D., Georgiev, O., Petkova, V. & Petrova, G., May-2017, In: *Journal of Medical Economics*. 20, 5, p. 503-509 7 p.

Urging Europe to put non-adherence to inhaled respiratory medication higher on the policy agenda: A report from the First European Congress on Adherence to Therapy

van Boven, J. F. M., Lavorini, F., Dekhuijzen, P. N. R., Blasi, F., Price, D. B. & Viegi, G., May-2017, In: *European Respiratory Journal*. 49, 5, 5 p.

Does co-payment for inhaler devices affect therapy adherence and disease outcomes? A historical, matched cohort study
Voorham, J., Vrijens, B., van Boven, J. F. M., Ryan, D., Miravittles, M., Law, L. M. & Price, D. B., 18-Apr-2017, In: Pragmatic and Observational Research. 8, p. 31-41 11 p.

Effectiveness and success factors of educational inhaler technique interventions in asthma & COPD patients: a systematic review

Klijn, S. L., Hiligsmann, M., Evers, S. M. A. A., Román-Rodríguez, M., van der Molen, T. & van Boven, J. F. M., 13-Apr-2017, In: Primary Care Respiratory Medicine. 27, 1, 10 p., 24.

Associations between chronic comorbidity and exacerbation risk in primary care patients with COPD

Westerik, J. A. M., Metting, E. I., van Boven, J. F. M., Tiersma, W., Kocks, J. W. H. & Schermer, T. R. J., 6-Feb-2017, In: Respiratory Research. 18, 31, 17 p.

Optimizing identification and management of COPD patients - reviewing the role of the community pharmacist

van der Molen, T., van Boven, J. F. M., Maguire, T., Goyal, P. & Altman, P., Jan-2017, In: British Journal of Clinical Pharmacology. 83, 1, p. 192-201 10 p.

Systematic Review and Quality Appraisal of Cost-Effectiveness Analyses of Pharmacologic Maintenance Treatment for Chronic Obstructive Pulmonary Disease: Methodological Considerations and Recommendations

van der Schans, S., Goossens, L. M. A., Boland, M. R. S., Kocks, J. W. H., Postma, M. J., van Boven, J. F. M. & Rutten-van Molken, M. P. M. H., Jan-2017, In: Pharmacoeconomics. 35, 1, p. 43-63 21 p.

De-implementing inappropriate inhaled corticosteroids use in Dutch COPD patients in primary care: perceived facilitators and barriers from focus groups in patients and health care providers.

Kocks, J. W. H., de Jong, C., Schermer, T. R. J., Riemersma, R., Brill, E., van den Berge, M., van der Molen, T. & van Boven, J., 2017.

Global initiative for meticillin-resistant Staphylococcus aureus pneumonia (GLIMP): an international, observational cohort study

GLIMP Investigators, 1-Dec-2016, In: Lancet Infectious Diseases. 16, 12, p. 1364-1376 13 p.

The burden of COPD across the European Union: development of the European COPD Atlas

van Boven, J. F. M., Gaughan, J., Soriano, J. B., de Sousa, J. C., Baxter, N., Román Rodríguez, M., Vilaro, J., Williams, S., Fitch, S., Kishore, K. & Chaudhury, H., 1-Dec-2016, In: Thorax. 71, S3, P139.

Cost comparison of asthma treatments in 12-week study: Caution about matching and short observational follow-up

Price, D. B., van Boven, J. F. M., Law, L. M., Cifra, A. & McQueen, R. B., 2-Nov-2016, In: Multidisciplinary respiratory medicine. 11, 5 p., 39.

COPD medication adherence and quality of life

Boland, M. R. S., van Boven, J. F. M., Kruis, A. L., Chavannes, N. H., van der Molen, T., Goossens, L. M. A. & Rutten-van Molken, M. P. M. H., 1-Nov-2016, In: European Respiratory Journal. 48, S60, PA3961.

Current burden of uncontrolled asthma in the general population: The OPCRd asthma state of the union study

Tan, S., Thomas, M., Nibber, A., van Aalderen, W. M. C., Bleecker, E. R., Campbell, J. D., Roche, N., Haughney, J., Van Ganse, E., Park, H. Y., Rhee, C-K., Skinner, D., Chisholm, A., van Boven, J. F. M., Bonomally, R., Thomas, V., Soriano, J. B. & Price, D., 1-Nov-2016, In: European Respiratory Journal. 48, S60, PA4591.

Educational inhaler technique interventions in asthma & COPD patients: A systematic review

Klijn, S., Hiligsmann, M., Evers, S., Román Rodríguez, M., van der Molen, T. & van Boven, J. F. M., 1-Nov-2016, In: European Respiratory Journal. 48, S60, OA1998.

Impact of chronic comorbidity on the occurrence of exacerbations in primary care patients with COPD: preliminary results from a real-life cohort database study

Westerik, J. A. M., Metting, E., van Boven, J. F. M., Tiersma, W., Kocks, J. W. H. & Schermer, T. R. J., 1-Nov-2016, In: European Respiratory Journal. 48, S60, PA871.

Real-life characteristics of asthma inhaler device use in South Korea

Wan Yau Ming, S., Rhee, C. K., Park, H. Y., Yoo, K. H., Kim, D. K., Van Boven, J. F., Price, D. & Park, H. S., 1-Nov-2016, In: Respirology. 21, p. 170 1 p., APSR6-0779.

Real-life effects of switching LABA/ICS dry powder inhalers to formoterol/fluticasone in Korean asthma patients: The Transform study

Price, D., Park, H. S., Yoon, D., Lee, H. Y., Wan Yau Ming, S. & Van Boven, J. F., 1-Nov-2016, In: Respirology. 21, p. 22 1 p.

Cost-effectiveness analyses of pharmacologic maintenance treatment for chronic obstructive pulmonary disease: A systematic review

Van Der Schans, S., Goossens, L. M., Boland, M. R., Kocks, J., Postma, M. J., Van Boven, J. F. & Rutten-van Mölken, M. P., Nov-2016, In: Value in Health. 19, 7, p. A556 1 p.

Hollywood raising awareness of smoking-related diseases: can it proactively counteract the impact of smoking in movies?-the final mission of Star Trek's Mr Spock

van Boven, J. F. M. & Kaplan, A. G., 20-Oct-2016, In: Primary Care Respiratory Medicine. 26, 2 p., 16052.

COPD case finding: Effective, but also cost-effective?

van Boven, J. F., McQueen, R. B. & Price, D. B., 1-Oct-2016, In: The Lancet. Respiratory Medicine. 4, 10, p. e49 1 p.

Cost-effectiveness and budget impact of the fixed-dose dual bronchodilator combination tiotropium-olodaterol for patients with COPD in the Netherlands

van Boven, J. F., Kocks, J. W. & Postma, M. J., 1-Oct-2016, In: International Journal of Chronic Obstructive Pulmonary Disease. 11, 1, p. 2191-2201 11 p.

Current burden of uncontrolled asthma in the general population: The OPCRD asthma state of the Union study

Nibber, A., Thomas, M., Thomas, V., Van Aalderen, W., Bleecker, E., Campbell, J., Roche, N., Haughney, J., Van Ganse, E., Park, H-Y., Rhee, C. K., Skinner, D., Chisholm, A., Van Boven, J. F. M., Soriano, J. B. & Price, D., 1-Jul-2016, In: Journal of thoracic disease. 8

Opportunities for real-life respiratory research in Korea: The HIRA database and beyond

Van Boven, J. F. M., Rhee, C-K., Park, H-Y., Yoo, K. H., Kim, D-K., Soriano, J., Ming, S. W. Y., Price, D. & Park, H. S., 1-Jul-2016, In: Journal of thoracic disease. 8, Supplement 5, AB032.

Comorbidity, pattern and impact of asthma-COPD overlap syndrome (ACOS) in real-life

van Boven, J. F. M., Roman-Rodriguez, M., Palmer, J. F., Toledo-Pons, N., Cosio, B. G. & Soriano, J. B., Apr-2016, In: Chest. 149, 4, p. 1011-1020 10 p.

Enhancing the use of Asthma and COPD Assessment Tools in Balearic Primary Care (ACATIB): a region-wide cluster-controlled implementation trial

Román-Rodríguez, M., Pardo, M. G., López, L. G., Ruiz, A. U. & van Boven, J. F., 11-Mar-2016, In: Primary Care Respiratory Medicine. 26, 6 p., 16003.

Effects of targeting disease and medication management interventions towards patients with COPD

van Boven, J. F. M., Stuurman-Bieze, A. G. G., Hiddink, E. G. & Postma, M. J., Feb-2016, In: Current Medical Research and Opinion. 32, 2, p. 229-239 11 p., UNSP ST-0434.R1/1110129.

Increasing research capacity and awareness of chronic lung diseases in East Africa

Kirenga, B., Sewankambo, N. K., van Gemert, F., van Boven, J. & van der Molen, T., 22-Jan-2016

Economic Evaluations of Pharmacogenetic and Pharmacogenomic Screening Tests: A Systematic Review. Second Update of the Literature

Berm, E. J. J., Loeff, M. D., Wilffert, B., Boersma, C., Annemans, L., Vegter, S., van Boven, J. F. M. & Postma, M. J., 11-Jan-2016, In: PLoS ONE. 11, 1, 22 p., e0146262.

Higher Adherence During Reimbursement of Pharmacological Smoking Cessation Treatments

van Boven, J. F. M. & Vemer, P., Jan-2016, In: Nicotine and Tobacco Research. 18, 1, p. 56-63 8 p.

Investigating the association between medication adherence and health-related quality of life in COPD: Methodological challenges when using a proxy measure of adherence

Boland, M. R. S., van Boven, J. F. M., Kruijs, A. L., Chavannes, N. H., van der Molen, T., Goossens, L. M. A. & Rutten-van Molken, M. P. M. H., Jan-2016, In: Respiratory Medicine. 110, p. 34-45 12 p.

Enhancing Respiratory Medication Adherence: The Role of Health Care Professionals and Cost-Effectiveness Considerations

van Boven, J. F. M., Ryan, D., Eakin, M. N., Canonica, G. W., Barot, A., Foster, J. M. & Resp Effectiveness Grp, 2016, In: Journal of Allergy and Clinical Immunology: In Practice. 4, 5, p. 835-846 12 p.

What We Mean When We Talk About Adherence in Respiratory Medicine

Vrijens, B., Dima, A. L., Van Ganse, E., van Boven, J. F. M., Eakin, M. N., Foster, J. M., de Bruin, M., Chisholm, A. & Price, D., 2016, In: Journal of Allergy and Clinical Immunology: In Practice. 4, 5, p. 802-812 11 p.

LATE-BREAKING ABSTRACT: Prevalence of comorbidities in patients with asthma-COPD overlap syndrome (ACOS) in primary care

van Boven, J. F. M., Roman-Rodriguez, M., Palmer, J. F., Toledo Pons, N., Cosío, B. G. & Soriano, J. B., 1-Sep-2015, In: European Respiratory Journal. 46, 59, 4786.

Predictors of cost-effectiveness of selected COPD treatments in primary care: UNLOCK study protocol

van Boven, J. F. M., Roman-Rodriguez, M., Kocks, J. W. H., Soriano, J. B., Postma, M. J. & van der Molen, T., 6-Aug-2015, In: Primary Care Respiratory Medicine. 25, 4 p., 15051.

Towards tailored and targeted adherence assessment to optimise asthma management

van Boven, J. F. M., Trappenburg, J. C. A., van der Molen, T. & Chavannes, N. H., 16-Jul-2015, In: Primary Care Respiratory Medicine. 25, 6 p., 15046.

Mapping the Clinical Chronic Obstructive Pulmonary Disease Questionnaire onto Generic Preference-Based EQ-5D Values

Boland, M. R. S., van Boven, J. F. M., Kocks, J. W. H., van der Molen, T., Goossens, L. M., Chavannes, N. H. & Rutten-van Molken, M. P. M. H., Mar-2015, In: Value in Health. 18, 2, p. 299-307 9 p.

Enhancing adherence in patients with COPD: Targets, interventions & cost-effectiveness

van Boven, J. F. M., 2015, [Groningen]: University of Groningen. 230 p.

Sustainable policy: Higher medication use & adherence during reimbursement of pharmacologic smoking cessation treatments

Van Boven, J. F. & Vemer, P., 1-Nov-2014, In: Value in Health. 17, 7, p. 603 1 p.

Impact of multiple-dose versus single-dose inhaler devices on COPD patients' persistence with long-acting beta(2)-agonists: A dispensing database analysis

van Boven, J. F. M., van Raaij, J. J., van der Galiën, R., Postma, M. J., van der Molen, T., Dekhuijzen, P. N. R. & Vegter, S., 2-Oct-2014, In: Primary Care Respiratory Medicine. 24, 6 p., 14069.

Therapietrouwbevordering COPD bespaart kosten

Van Boven, J., Tommelein, E., Mehuys, E., Boussery, K., Vegter, S., Brusselle, G., Rutten-Van Molken, M. & Postma, M., 26-Sep-2014, In: Pharmaceutisch Weekblad. 149, 39, p. 20-21 2 p.

Optimalisation de la pharmacothérapie en pharmacie d'officine chez des patients atteints de Bronchopneumopathie Chronique Obstructive (BPCO): une analyse coût-efficacité

van Boven, J. F., Tommelein, E., Boussery, K., Mehuys, E., Vegter, S., Brusselle, G. G., Rutten-van Mólken, M. P. & Postma, M. J., 1-Sep-2014, In: Journal de Pharmacie de Belgique. 3, p. 15-16 2 p.

Therapietrouwbevordering lipidenverlagers is kosteneffectief: Kosteneffectiviteit bij primaire, kostenbesparing bij secundaire preventie

Vegter, S., Oosterhof, P., Van Boven, J. F. M., Stuurman-Bieze, A. G. G., Hiddink, E. & Postma, M. J., 29-Aug-2014, In: Pharmaceutisch Weekblad. 149, 35, p. 30-31 2 p.

Medication monitoring and optimization: a targeted pharmacist program for effective and cost-effective improvement of chronic therapy adherence

van Boven, J. F. M., Stuurman-Bieze, A. G. G., Hiddink, E. G., Postma, M. J. & Vegter, S., Aug-2014, In: Journal of Managed Care Pharmacy. 20, 8, p. 786-792 7 p.

Improving adherence to lipid-lowering therapy in a community pharmacy intervention program: a cost-effectiveness analysis

Vegter, S., Oosterhof, P., van Boven, J. F. M., Stuurman-Bieze, A. G. G., Hiddink, E. G. & Postma, M. J., Jul-2014, In: Journal of Managed Care Pharmacy. 20, 7, p. 722-732 11 p.

Improving inhaler adherence in patients with Chronic Obstructive Pulmonary Disease: A cost-effectiveness analysis

van Boven, J. F. M., Tommelein, E., Boussery, K., Mehuys, E., Vegter, S., Brusselle, G. G. O., Rutten-van Molken, M. P. M. H. & Postma, M. J., 14-Jun-2014, In: Respiratory Research. 15, 1, 10 p., 66.

Proactive pharmaceutical care interventions decrease patients' nonadherence to osteoporosis medication

Stuurman-Bieze, A. G. G., Hiddink, E. G., van Boven, J. F. M. & Vegter, S., Jun-2014, In: Osteoporosis International. 25, 6, p. 1807-1812 6 p.

Cost-effectiveness analysis of a pharmacist-led intervention on improving inhaler adherence in patients with chronic obstructive pulmonary disease

Van Boven, J. F., Tommelein, E., Boussery, K., Mehuys, E., Vegter, S., Brusselle, G. G., Rutten-Van Mólken, M. P. M. H. & Postma, M. J., 1-May-2014, In: Value in Health. 17, 3, p. A136 1 p.

Economic Evaluation of Ropinirole Prolonged Release for Treatment of Parkinson's Disease in The Netherlands

van Boven, J. F. M., Novak, A., Driessen, M. T., Boersma, C., Boomsma, M. M. & Postma, M. J., Mar-2014, In: Drugs & Aging. 31, 3, p. 193-201 9 p.

Clinical and economic impact of non-adherence in COPD: A systematic review

van Boven, J. F. M., Chavannes, N. H., van der Molen, T., Rutten-van Molken, M. P. M. H., Postma, M. J. & Vegter, S., Jan-2014, In: Respiratory Medicine. 108, 1, p. 103-113 11 p.

Gerichte farmaceutische zorg voor patiënten met astma en COPD: een oriënterende studie

van Boven, J. FM., Stuurman-Bieze, A. GG., Hiddink, E. G., Postma, M. J. & Vegter, S., 2014, In: Pharmaceutisch Weekblad Wetenschappelijk Platform. 149, 12, p. 49-53 8:A1413.

Het optimaliseren van de farmacotherapie bij patiënten met Chronisch Obstructief Longlijden (COPD) in de officina-apotheek: een kosten-effectiviteitsanalyse[1]

van Boven, J., Tommelein, E., Mehuys, E., Vegter, S., Brusselle, G. GO., Rutten-van Molken, M. P. M. H. & Postma, M., 2014, In: Farmaceutisch Tijdschrift voor België. 94, 3, p. 15-16

COPD in the working age population: The economic impact on both patients and government

Van Boven, J. F. M., Vegter, S., Van Der Molen, T. & Postma, M. J., 1-Dec-2013, In: COPD: Journal of Chronic Obstructive Pulmonary Disease. 10, 6, p. 629-639 11 p.

The pharmacists' potential to provide targets for interventions to optimize pharmacotherapy in patients with asthma
van Boven, J. F. M., Hiddink, E. G., Stuurman-Bieze, A. G. G., Schuiling-Veninga, N., Postma, M. & Vegter, S., Dec-2013, In: International Journal of Clinical Pharmacy. 35, 6, p. 1075-1082 8 p.

Cost-effectiveness of increasing statin adherence for primary and secondary prevention in community pharmacies
Vegter, S., Oosterhof, P., Van Boven, J. F., Stuurman-Bieze, A. G. G., Hiddink, E. G. & Postma, M. J., 1-Nov-2013, In: Value in Health. 16, 7, p. 528 1 p.

Proactive pharmaceutical care interventions improve patients' adherence to lipid-lowering medication
Stuurman-Bieze, A. G. G., Hiddink, E. G., van Boven, J. F. M. & Vegter, S., Nov-2013, In: Annals of Pharmacotherapy. 47, 11, p. 1448-1456 9 p.

Persistence with osteoporosis medication among newly-treated osteoporotic patients
van Boven, J. F. M., de Boer, P. T., Postma, M. J. & Vegter, S., Sep-2013, In: Journal of bone and mineral metabolism. 31, 5, p. 562-570 9 p.

Inhaled Corticosteroids and the Occurrence of Oral Candidiasis: A Prescription Sequence Symmetry Analysis
van Boven, J. F. M., de Jong-van den Berg, L. T. W. & Vegter, S., Apr-2013, In: Drug Safety. 36, 4, p. 231-236 6 p.

Economische uitkomsten

Vegter, S., van Boven, J., Hiddink, E. G. & Postma, M., 2013, *Handboek farmaceutische patiëntenzorg: achtergronden en praktijk*. de Gier, JJ., Bouvy, ML., Egberts, ACG. & de Smet, PAGM. (eds.). Vol. Hoofdstuk 21. p. 275-282

The economic impact of COPD in patients of working age: Results from 'COPD uncovered' the Netherlands
Van Boven, J. F., Van Der Molen, T., Postma, M. J. & Vegter, S., 1-Nov-2012, In: Value in Health. 15, 7, p. 562 1 p.

Cost-effectiveness of increasing bisphosphonates adherence for osteoporosis in community pharmacies
Van Boven, J. F. M., Oosterhof, P., Hiddink, E. G., Stuurman-Bieze, A. G. G., Postma, M. J. & Vegter, S., 1-Nov-2011, In: Value in Health. 14, 7, p. 310 1 p.

Gestructureerde medicatiebegeleiding om de therapietrouw bij bisfosfonaten te verbeteren biedt kansen voor kosteneffectieve farmaceutische patiëntenzorg
van Boven, J., Hiddink, E., Stuurman-Bieze, AGG., Postma, M. & Vegter, S., 2011, In: Pharmaceutische Weekblad Wetenschappelijk Platform. 5, p. 147-153 a1132.

Activities

How will we pay for adherence enhancing digital health?: HMO models and a cost-effectiveness perspective (ERS Research Seminar, Lisbon, Portugal)

Job van Boven (Invited speaker)
28-May-2022

Digital monitoring of medication usage: from smart pill bottles to smart inhalers (ERS Research Seminar, Lisbon, Portugal)

Job van Boven (Invited speaker)
27-May-2022

Digital technologies to enhance respiratory medication adherence and outcomes [ERS Research Seminar]

Job van Boven (Organiser), Mark Hew (Organiser), Richard W Costello (Organiser) & Hilary Pinnock (Organiser)
27-May-2022 → 28-May-2022

Measurement of medication adherence: electronic methods (COST Action "ENABLE" Training School, Malaga, Spain)

Job van Boven (Lecturer)
2-May-2022

Digital technology advances in respiratory medicine: the potential to improve patient outcomes (REG Summit 2022, Barcelona, Spain)

Job F.M. van Boven (Invited speaker)
19-Mar-2022

Therapietrouw: van beleidsmatige uitdagingen tot digitale kansen! (GAV 2022, Groningen)

Job F.M. van Boven (Invited speaker)
10-Mar-2022

npj Primary Care Respiratory Medicine (Journal)

Job van Boven (Editor)
1-Dec-2021 → ...

Doelmatig gebruik van medicatie en therapietrouw? (CAHAG cursusdag 2021)

Job van Boven (Keynote speaker)
30-Nov-2021

American Thoracic Society International Conference

Job van Boven (Invited speaker)
16-May-2021

Inhaler therapietrouw: meten, weten, verbeteren!

Job van Boven (Invited speaker)
20-Apr-2021

ISPE Adherence SIG Panel Discussion on electronic drug monitoring (invited panellist)

Job van Boven (Invited speaker)
7-Apr-2021

Digitale therapietrouw profielen: een essentieel element van de personalized medicine puzzle

Job van Boven (Invited speaker)
30-Mar-2021

Health economic aspects of digital respiratory inhaler technologies (@Respiratory Effectiveness Group Summit 2021)

Job Boven, van (Invited speaker)
20-Mar-2021

Het juiste medicijn voor iedere patiënt en het belang van goed en trouw slikken (UMCG Medische Publieksacademie)

Job van Boven (Invited speaker) & Jos Kosterink (Invited speaker)
15-Mar-2021

The burden of non-adherence to healthcare

Job Boven, van (Invited speaker)
25-Feb-2021

Improving adherence to treatments – the role of technological solutions

Job Boven, van (Invited speaker)
6-Feb-2021

Gedrag typologie bij astma geneesmiddelgebruik: therapietrouw management op maat

Job Boven, van (Invited speaker)
26-Nov-2020

Smart medication adherence technologies: The key to pulmonary precision drug therapy?

Job Boven, van (Invited speaker)

13-Nov-2020

Trouw aan Therapie – Stap voor stap vooruit (Voeding & Visie Webinar 2020)

Job Boven, van (Invited speaker)

29-Oct-2020

Workshop: Challenges and Methods to Implement COPD Guidelines in Low- and Middle-Income Countries

Job Boven, van (Invited speaker)

29-Sep-2020 → 30-Sep-2020

Objective measurement of medication adherence: electronic methods [Skills Course Faculty @ International Congress of PharmacoEpidemiology 2020]

Job Boven, van (Invited speaker)

16-Sep-2020

Portuguese Journal of General and Family Medicine (Journal)

Job Boven, van (Editorial board member)

17-Feb-2020 → ...

Tailored and cost-effective COPD care: a global health perspective (LiveTalk for Johns Hopkins University, USA. Chronic Diseases in Low and Middle Income Countries: Prevalence and Epidemiology course 2020)

Job Boven, van (Lecturer)

6-Feb-2020

Frontiers in Medical Technology (Journal)

Job Boven, van (Editorial board member)

15-Jan-2020 → ...

Socioeconomics and Health economics of allergic diseases (EAACI-PAAM 2019, Florence, Italy)

Job Boven, van (Invited speaker)

18-Oct-2019

ZonMW Goed Gebruik Geneesmiddelen (GGG) - Commissie (External organisation)

Job Boven, van (Member)

1-Oct-2019 → ...

Inhaler technique performance in elderly patients with asthma and COPD

Job Boven, van (Member of Assessment Committee)

23-Sep-2019

Real-world drug use and outcomes in respiratory diseases: From smart adherence monitoring to cost-effectiveness (Monash University seminar, Australia)

Job Boven, van (Invited speaker)

14-Aug-2019

Pragmatic and Observational Research (Journal)

Job Boven, van (Editorial board member)

1-May-2019 → ...

Therapietrouw management 2.0: big data, smart inhalers & haar analyse (Longdagen 2019)

Job Boven, van (Invited speaker)

10-Apr-2019

Detection & management of poor adherence in severe asthma (Severe asthma preceptorship 2019, Melbourne, Australia)

Job Boven, van (Invited speaker)
28-Feb-2019

Health Research Council of New Zealand (External organisation)

Job Boven, van (Member)
15-Feb-2019

Monash Univ, Monash University, Monash Inst Pharmaceut Sci

Job Boven, van (Visiting researcher)
30-Dec-2018 → 17-Mar-2019

Economic evaluation to inform scale-up of chronic disease interventions (Global Alliance for Chronic Diseases annual meeting 2018, Sao Paulo, Brazil)

Job Boven, van (Invited speaker)
14-Nov-2018

How to address non-adherence with maintenance therapy in COPD? (Lung Forum, Kopenhagen, Denmark, 2018)

Job Boven, van (Invited speaker)
27-Oct-2018

Objective measurement of medication adherence (workshop at 34th ISPE, Prague, Czech Republic, 2018)

Job Boven, van (Invited speaker)
22-Aug-2018

Tuberculosis & Respiratory Diseases (Journal)

Job Boven, van (Editorial board member)
24-Mar-2018 → ...

International Inhaler Research Workinggroup Conference 2018

Job Boven, van (Invited speaker)
16-Mar-2018

Models to estimate burden of respiratory diseases around the EU (EAACI health economics task force, Padua, Italy)

Job Boven, van (Speaker)
7-Dec-2017

EAACI Health Economics Task Force (Secretary) (External organisation)

Job Boven, van (Chair)
1-Dec-2017 → ...

Clinical eHealth (Journal)

Job Boven, van (Editorial board member)
15-Nov-2017 → ...

Royal Dutch Pharmacists Assoc KNMP (External organisation)

Job Boven, van (Member)
23-Oct-2017 → ...

Euro-Asian Respiratory Society congress 2017 (Kyrgyzstan)

Job Boven, van (Speaker)
29-Sep-2017

International Primary Care Respiratory Group congress South East Asia

Job Boven, van (Chair)

3-Aug-2017 → 5-Aug-2017

Longdagen 2017

Job Boven, van (Keynote speaker)

12-Apr-2017

Univ Crete, University of Crete, Fac Med

Job Boven, van (Visiting researcher)

4-Apr-2017

Congresso de Pneumologia do Norte (Porto, Portugal)

Job Boven, van (Keynote speaker)

3-Mar-2017

COPD Modelling expert meeting

Job Boven, van (Keynote speaker)

3-Feb-2017

Global Burden of Disease (GBD) collaborator network (External organisation)

Job Boven, van (Member)

20-Jan-2017 → ...

COPD & Astma Huisartsen Advies Groep (CAHAG) Congres

Job Boven, van (Invited speaker)

19-Jan-2017

Global Alliance for Chronic Diseases (GACD) (External organisation)

Job Boven, van (Member)

20-Dec-2016 → 20-Dec-2018

Winter meeting of the British Thoracic Society

Job Boven, van (Contributor)

8-Dec-2016

Refereeravond eerstelijns: Longziekten

Job Boven, van (Keynote speaker)

22-Nov-2016

European Congress on Adherence to Therapy

Job Boven, van (Keynote speaker)

18-Nov-2016

Ministry of Health Kyrgyzstan

Job Boven, van (Visiting researcher)

12-Oct-2016

Symposium van het Noorden

Job Boven, van (Keynote speaker)

4-Oct-2016

Health Economics

Job Boven, van (Invited speaker)
29-Sep-2016

Univ Med & Pharm Ho Chi Minh City, Hochiminh City University of Medicine & Pharmacy

Job Boven, van (Visiting researcher)
15-Jul-2016

American Thoracic Society International Congress 2016

Job Boven, van (Attendee)
15-May-2016 → 17-May-2016

Respiratory Effectiveness Group

Job Boven, van (Keynote speaker)
15-Apr-2016

College ter Beoordeling van Geneesmiddelen (External organisation)

Job Boven, van (Member)
1-Mar-2016 → 1-Mar-2019

European COPD Coalition (ECC) (External organisation)

Job Boven, van (Member)
3-Jan-2016 → 31-Dec-2017

International Society For Pharmacoeconomics and Outcomes Research (External organisation)

Job Boven, van (Member)
2016 → 2018

Makerere Univ, Makerere University, Mulago Hosp

Job Boven, van (Visiting researcher)
18-Nov-2015

World Allergy Congress

Job Boven, van (Keynote speaker)
17-Oct-2015

Respiratory Effectiveness Group (Event)

Job Boven, van (Member)
8-Jun-2015 → 8-Jun-2018

Respiratory Effectiveness Group

Job Boven, van (Keynote speaker)
20-Apr-2015

Respiratory Effectiveness Group, Cambridge, UK. (External organisation)

Job Boven, van (Member)
2015 → 2018

International Society for Pharmacoeconomics and Outcomes Research 2014

Job Boven, van (Speaker)
3-Jun-2014

PRISMA symposium

Job Boven, van (Keynote speaker)
20-May-2013

