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Research interests

Arthur E. Attema is an Associate Professor at the Health Economics department of ESHPM. His main research interests include behavioral and experimental health economics, utility theory and measurement, and intertemporal choice. Arthur obtained an MSc degree in Economics at the University of Amsterdam (cum laude) and an MSc degree in Health Economics at Erasmus University Rotterdam. He holds a PhD degree from the Erasmus School of Economics in Rotterdam, for his dissertation on intertemporal preferences with applications to health economics, under supervision of Prof. Han Bleichrodt and Prof. Peter P. Wakker. Arthur is associate editor for Journal of Health Economics, coordinator editor of Theory and Decision, and management board member of the Behavioral Experiments in Health Network (BEHnet). Arthur has won the NVTAG MTA award, an EUR Fellowship, and an NWO Open Competition L Grant. In 2015, 2017, and 2021, he was listed in ESB's Top 40 of economists located in the Netherlands, based on quality-weighted publications, and in 2024 he was listed 20th in ESB's Top 25 of Assistant/Associate Professor.

Research outputs

Are we ready for the next pandemic? Public preferences and trade-offs between vaccine characteristics and societal restrictions across 21 countries

Antonini, M., Genie, M. G., Attwell, K., Attema, A. E., Ward, J. K., Melegaro, A., Torbica, A., Kelly, B., Berardi, C., Sequeira, A. R., McGregor, N., Kellner, A., Brammli-Greenberg, S., Hinwood, M., Murauskienė, L., Behmane, D., Balogh, Z. J., Hagen, T. P. & Paolucci, F., Feb 2025, In: Social Science and Medicine. 366, 117687.

A systematic review of unique methods for measuring discount rates

Lipman, S. A. & Attema, A. E., 10 Oct 2024, (E-pub ahead of print) In: Journal of Risk and Uncertainty. 69, 2, p. 145-189 45 p.

Public preferences for vaccination campaigns in the COVID-19 endemic phase: insights from the VaxPref database

Antonini, M., Genie, M. G., Attema, A. E., Attwell, K., Balogh, Z. J., Behmane, D., Berardi, C., Brammli-Greenberg, S., Greenland, A., Hagen, T. P., Hinwood, M., James, C., Kellner, A., Kelly, B., Murauskienė, L., McGregor, N., Melegaro, A., Moy, N., Sequeira, A. R. & Singh, R. & 4 others, Torbica, A., Ward, J. K., Yang, D. & Paolucci, F., Mar 2024, In: Health Policy and Technology. 13, 1, 100849.

Reference-dependent discounting

Attema, A. E. & Li, Z., 2024, In: Journal of Risk and Uncertainty. 69, 1, p. 57-83 27 p.

Can Independently Elicited Adult- and Child-Perspective Health-State Utilities Explain Priority Setting?

Attema, A. E., Lang, Z. & Lipman, S. A., Nov 2023, In: Value in Health. 26, 11, p. 1645-1654 10 p.

An experimental investigation of social risk preferences for health

Attema, A. E., L'Haridon, O. & van de Kuilen, G., Oct 2023, In: Theory and Decision. 95, 3, p. 379-403 25 p.

Jumping the Queue: Willingness to Pay for Faster Access to COVID-19 Vaccines in Seven European Countries

Neumann-Böhme, S., Sabat, I., Brinkmann, C., Attema, A. E., Stargardt, T., Schreyögg, J. & Brouwer, W., Oct 2023, In: PharmacoEconomics. 41, 10, p. 1389-1402 14 p.

The effect of duration and time preference on the gap between adult and child health state valuations in time trade-off

Lang, Z., Attema, A. E. & Lipman, S. A., 8 Jul 2023, In: European Journal of Health Economics. 25, 4, p. 601-613 13 p.

Decomposing social risk preferences for health and wealth

Attema, A. E., L'Haridon, O. & van de Kuilen, G., Jul 2023, In: Journal of Health Economics. 90, 18 p., 102757.

Time and lexicographic preferences in the valuation of EQ-5D-Y with time trade-off methodology

Lipman, S. A., Zhang, L., Shah, K. K. & Attema, A. E., 1 Mar 2023, In: European Journal of Health Economics. 24, 2, p. 293-305 13 p.

The formation of physician altruism

Attema, A. E., Galizzi, M. M., Groß, M., Hennig-Schmidt, H., Karay, Y., L'Haridon, O. & Wiesen, D., Jan 2023, In: Journal of Health Economics. 87, 102716.

Correction to: Time and lexicographic preferences in the valuation of EQ-5D-Y with time trade-off methodology

Lipman, S. A., Zhang, L., Shah, K. K. & Attema, A. E., Dec 2022, In: European Journal of Health Economics. 23, 9, p. 1613-1615 3 p.

Reference-dependent age weighting of quality-adjusted life years

Attema, A. E., Brouwer, W. B. F. & Pinto-Prades, J. L., Dec 2022, In: Health Economics (United Kingdom). 31, 12, p. 2515-2536 22 p.

The Role of Perceived Utility of Full Health in Age Weighting

Attema, A. E., Brouwer, W. B. F. & Pinto, J. L., Sept 2022, In: Value in Health. 25, 9, p. 1559-1565 7 p.

Correcting for discounting and loss aversion in composite time trade-off

Lipman, S. A., Attema, A. E. & Versteegh, M. M., Aug 2022, In: Health Economics. 31, 8, p. 1633-1648 16 p.

Eliciting risk preferences that predict risky health behavior: A comparison of two approaches

Yang, M., Roope, L. S. J., Buchanan, J., Attema, A. E., Clarke, P. M., Walker, A. S. & Wordsworth, S., May 2022, In: Health Economics (United Kingdom). 31, 5, p. 836-858 23 p.

Do patients and other stakeholders value health service quality equally? A prospect theory based choice experiment in cataract care

Stolk-Vos, A. C., Attema, A. E., Manzulli, M. & van de Klundert, J. J., Feb 2022, In: Social Science and Medicine. 294, 114730.

Multivariate risk preferences in the quality-adjusted life year model

Attema, A. E., Frasch, J. J. & L'Haridon, O., Feb 2022, In: Health Economics (United Kingdom). 31, 2, p. 382-398 17 p.

Life satisfaction: The role of domain-specific reference points

Neumann-Böhme, S., Attema, A. E., Brouwer, W. B. F. & van Exel, J., Nov 2021, In: Health Economics (United Kingdom). 30, 11, p. 2766-2779 14 p.

Self vs. other, child vs. adult. An experimental comparison of valuation perspectives for valuation of EQ-5D-Y-3L health states

Lipman, S. A., Reckers-Droog, V. T., Karimi, M., Jakubczyk, M. & Attema, A. E., 6 Oct 2021, In: European Journal of Health Economics. 22, 9, p. 1507-1518 12 p.

Trust me; I know what I am doing investigating the effect of choice list elicitation and domain-relevant training on preference reversals in decision making for others

Neumann-Böhme, S., Lipman, S. A., Brouwer, W. B. F. & Attema, A. E., 20 Mar 2021, In: European Journal of Health Economics. 22, 5, p. 679-697 19 p.

Beliefs and Risk Perceptions About COVID-19: Evidence From Two Successive French Representative Surveys During Lockdown

Attema, A., l'Haridon, O., Raude, J., Seror, V. & Coconel Group, T., 1 Feb 2021, In: Frontiers in Psychology. 12, 16 p., 619145.

What is it going to be, TTO or SG? A direct test of the validity of health state valuation

Lipman, S., Brouwer, W. & Attema, A., 3 Aug 2020, In: *Health Economics*. 29, 11, p. 1475-1481 7 p.

Living up to expectations: Experimental tests of subjective life expectancy as reference point in time trade-off and standard gamble

Lipman, S., Brouwer, W. & Attema, A., 27 Mar 2020, In: *Journal of Health Economics*. 71, 14 p., 102318.

A comparison of individual and collective decision making for standard gamble and time trade-off

Attema, A., Bleichrodt, H., l'Haridon, O. & Lipman, S., 4 Jan 2020, In: *The European Journal Of Health Economics*. 21, p. 465-473 9 p.

Good things come to those who wait—Decreasing impatience for health gains and losses

Lipman, S. & Attema, A., 2020, In: *PLoS One* (print). 15, 3

QALYs without bias? Non-parametric correction of time trade-off and standard gamble weights based on prospect theory

Lipman, S., Brouwer, W. & Attema, A., 24 Jun 2019, In: *Health Economics*. 28, 7, p. 843-854 12 p.

Rabin's Paradox for Health Outcomes

Lipman, S. & Attema, A., 19 Jun 2019, In: *Health Economics*. 28, 8, p. 1064-1071 8 p.

The corrective approach: policy implications of recent developments in QALY measurement based on prospect theory

Lipman, S., Brouwer, W. & Attema, A., 16 May 2019, In: *Value in Health*. 22, 7, p. 816-821 6 p.

Unbiased assessment of disease surveillance utilities: a prospect theory application

Attema, A., He, L., Cook, A. & Del Rio Vilas, V., 1 May 2019, In: *PLoS Neglected Tropical Diseases* (online). 13, 5, 17 p., e0007364.

Is verlies winst? Stoppen met TNF-alfaremmers

Versteegh, M., Attema, A. & Uyl - de Groot, C., 3 Apr 2019, In: *Nederlands Tijdschrift voor Geneeskunde*. 163, 2 p., D3709.

Is verlies winst? Stoppen met TNF-a-blokkers

Versteegh, M. M., Attema, A. E. & Uyl-de Groot, C. A., 2019, In: *Nederlands Tijdschrift voor Geneeskunde*. 163, 14, D3709.

Is verlies winst? Stoppen met TNF-?-blokkers

Versteegh, M., Attema, A. & Uyl - de Groot, C., 2019, In: *Nederlands Tijdschrift voor Geneeskunde*.

Measuring Health Utility in Economics

Pinto-Prades, J., Attema, A. & Sanchez-Martinez, F., 2019, *Oxford Research Encyclopedia of Economics and Finance*. Oxford: Oxford University Press

Measuring multivariate risk preferences in the health domain

Attema, A., l'Haridon, O. & van de Kuilen, G., 27 Dec 2018, In: *Journal of Health Economics*. 64, p. 15-24 10 p.

A QALY loss is a QALY loss is a QALY loss: a note on independence of loss aversion from health states

Lipman, S., Brouwer, W. & Attema, A., 18 Sept 2018, In: *The European Journal Of Health Economics*. 20, 3, p. 419-426 8 p.

Peer effects in health valuation: The relation between rating of contemporaries' health and own health

Attema, A., Brouwer, W. & Pinto-Prades, J., 28 Jul 2018, In: *Health and Quality of Life Outcomes*. 16, 1, 9 p., 148.

Ambiguity preferences for health

Attema, A., Bleichrodt, H. & l'Haridon, O., 3 Jul 2018, In: Health Economics. 27, 11, p. 1699-1716 18 p.

Discounting in economic evaluations

Attema, A., Brouwer, W. & Claxton, K., 19 May 2018, In: Pharmacoeconomics (Print). 36, 7, p. 745-758 14 p.

Discounting health and money: New evidence using a more robust method

Attema, A., Bleichrodt, H., l'Haridon, O., Peretti-Watel, P. & Seror, V., 9 May 2018, In: Journal of Risk and Uncertainty. 56, 2, p. 117-140 24 p.

Decreasing impatience for health outcomes and its relation with healthy behavior

Attema, A. & Lipman, S., 2 May 2018, In: Frontiers in Applied Mathematics and Statistics. 4, p. 1-8 8 p., 16.

Risk attitudes of people with 'manageable' chronic disease: An analysis under prospect theory

Rouyard, T., Attema, A., Baskerville, R., Leal, J. & Gray, A., 2018, In: Social Science & Medicine. 214, p. 144-153 10 p.

Are Health State Valuations from the General Public Biased? A Test of Health State Reference Dependency Using Self-assessed Health and an Efficient Discrete Choice Experiment

Jonker, M., Attema, A., Donkers, B., Stolk, E. & Versteegh, M., Dec 2017, In: Health Economics. 26, 12, p. 1534-1547 14 p.

Economische inzichten in stimulatie van gezond gedrag: De voor- en nadelen van een financiële prikkel

Attema, A. E., 22 Aug 2017, In: Nederlands Tijdschrift voor Geneeskunde. 161, 35, 2 p., D1933.

New findings from the time trade-off for income approach to elicit willingness to pay for a quality adjusted life year.

Attema, A., Krol, M., van Exel, J. & Brouwer, W., 8 Mar 2017, In: European Journal of Health Economics (HEPAC). 19, 2, p. 277-291 15 p.

De meting van maatschappelijke voorkeuren voor gezondheid(szorg) vanuit een gedragseconomisch perspectief

Attema, A., 2017, In: TPEdigitaal. 11, 2, p. 36-48 13 p.

An elicitation of utility for quality of life under prospect theory

Attema, A., Brouwer, W., l'Haridon, O. & Pinto, J. L., Jul 2016, In: Journal of Health Economics. 48, p. 121-134 14 p.

Measuring Discounting without Measuring Utility

Attema, A., Bleichrodt, H., Gao, Y., Huang, Z. & Wakker, P., 2016, In: The American Economic Review. 106, 6, p. 1476-1494 19 p.

Altruistic preferences in TTO: Consideration of effects on others in health state valuations

Krol, M., Attema, A., van Exel, J. & Brouwer, W., 9 Nov 2015, (E-pub ahead of print) In: Medical Decision Making. 36, 2, p. 187-198 12 p.

Exploring a new method for deriving the monetary value of a QALY

Tilling, C., Krol, M., Attema, A., Tsuchiya, A., Brazier, J., van Exel, J. & Brouwer, W., 20 Aug 2015, In: European Journal of Health Economics (HEPAC). 17, 7, p. 801-809 9 p.

Estimating sign-dependent societal preferences for quality of life

Attema, A., Brouwer, W., l'Haridon, O. & Pinto-Prades, J., 2015, In: Journal of Health Economics. 43, p. 229-243 15 p.

Incorporating sign-dependence in health-related social welfare functions

Attema, A., 2015, In: Expert review of pharmacoeconomics & outcomes research. 15, 2, p. 223-228 6 p.

Constant proportional trade-offs and health state evaluations

Attema, A. & Brouwer, W., 2014, *Encyclopedia of Quality of Life and Well-Being Research*. Michalos, A. (ed.). Dordrecht: Springer-Verlag, p. 1207-1212 6 p.

Deriving time discounting correction factors for TTO tariffs

Attema, A. & Brouwer, W., 7 Apr 2013, In: *Health Economics*. 23, 4, p. 410-425 16 p., 3.

Your right arm for a publication in AER?

Attema, A., Brouwer, W. & van Exel, J., 24 Mar 2013, In: *Economic Inquiry*. 52, 1, p. 495-502 8 p., 29.

In search of a preferred preference elicitation method: A test of the internal consistency of choice and matching tasks

Attema, A. & Brouwer, W., 2013, In: *Journal of Economic Psychology*. 39, p. 126-140 14 p.

Prospect theory in the health domain: A quantitative assessment

Attema, A., Brouwer, W. & l'Haridon, O., 2013, In: *Journal of Health Economics*. 32, p. 1057-1065 8 p.

Time to tweak the TTO: results from a comparison of alternative specifications of the TTO

Versteegh, M., Attema, A., Oppe, M., Devlin, N. & Stolk, E., 2013, In: *European Journal of Health Economics (HEPAC)*. 14, 1, p. 43-51 9 p.

Time trade-off: one methodology, different methods

Attema, A., Edelaar-Peeters, Y., Versteegh, M. & Stolk, E., 2013, In: *European Journal of Health Economics (HEPAC)*. 14, 1, p. 53-64 12 p.

Would you rather be ill now, or later?

Attema, A. & Versteegh, M., 2013, In: *Health Economics*. 22, 12, p. 1496-1506 11 p.

LEAD TIME TTO: LEADING TO BETTER HEALTH STATE VALUATIONS

Attema, A., Versteegh, M., Oppe, M., Brouwer, W. & Stolk, E., 6 Mar 2012, In: *Health Economics*. 22, 4, p. 376-392 17 p.

A Direct Method for Measuring Discounting and QALYs more Easily and Reliably

Attema, A., Bleichrodt, H. & Wakker, P., 2012, In: *Medical Decision Making*. 32, 4, p. 583-593 11 p.

A test of independence of discounting from quality of life

Attema, A. & Brouwer, W., 2012, In: *Journal of Health Economics*. 31, p. 22-34 13 p.

Constantly Proving The Opposite? A test of CPTO using a broad time horizon and correcting for discounting

Attema, A. & Brouwer, W., 2012, In: *Quality of Life Research*. 21, 1, p. 25-34 10 p.

Developments in time preference and their implications for medical decision making

Attema, A., 2012, In: *European Journal of Operational Research*. 63, 10, p. 1388-1399 12 p.

The way that you do it? An elaborate test of procedural invariance of TTO, using a choice-based design

Attema, A. & Brouwer, W., 2012, In: *The European Journal Of Health Economics*. 13, p. 491-500 10 p.

Intertemporal tradeoffs for gains and losses: an experimental measurement of discounted utility

Abdellaoui, M., Attema, A. & Bleichrodt, H., 2010, In: *The Economic Journal*. 120, 545, p. 845-866 22 p.

Investment in antiviral drugs: a real options approach

Attema, A., Lugnér, A. & Feenstra, T., 2010, In: *Health Economics*. 19, p. 1240-1254 15 p.

On the (not so) constant proportional trade-off in TTO

Attema, A. & Brouwer, W., 2010, In: Quality of Life Research. 19, p. 489-497 9 p.

The Value of Correcting Values: Influence and Importance of Correcting TTO Scores for Time Preference

Attema, A. & Brouwer, W., 2010, In: Value in Health. 13, 8, p. 879-884 6 p.

Time-Tradeoff Sequences for Analyzing Discounting and Time Inconsistency

Attema, A., Bleichrodt, H., Rohde, K. & Wakker, P., 2010, In: Management Science. 56, 11, p. 2015-2030 16 p.

De TTO-methode en correctie voor tijdsvoorkeur

Attema, A., 2009, In: VGE Bulletin. 2, 26, p. 14-17 4 p.

The correction of TTO-scores for utility curvature using a risk-free utility elicitation method

Attema, A. & Brouwer, W., 2009, In: Journal of Health Economics. 28, p. 234-243 10 p.

Studies on intertemporal preferences with applications to health economics

Attema, A., 25 Jan 2008, Rotterdam: Erasmus Universiteit Rotterdam (EUR). 254 p.

Can we fix it? Yes we can! But what? A new test of procedural invariance in TTO-measurement

Attema, A. & Brouwer, W., 2008, In: Health Economics. 17, p. 877-885 9 p.

De rol van tijdsvoorkeur bij de waardering van gezondheid

Attema, A., 2008, In: TPEdigitaal. 2, 4, p. 92-105 14 p.

Measuring pronesess to arbitrage using only pencil and paper

Attema, A., 2006, In: Medium Econometrische Toepassingen. 14, 4