Wouter W Van Solinge

List of Publications by Year in descending order

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Version: 2024-02-01

147801 114465 4,517 132 31 63 citations g-index h-index papers 139 139 139 7522 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Fluorescein angiography leads to increased fluorescence of blood cells and may hamper routine haematology analysis of ophthalmology patients. International Journal of Laboratory Hematology, 2022, 44, .	1.3	O
2	Preventing unnecessary imaging in patients suspect of coronary artery disease through machine learning of electronic health records. European Heart Journal Digital Health, 2022, 3, 11-19.	1.7	7
3	International practice variation in perioperative laboratory testing in glioblastoma patients—a retrospective cohort study. Acta Neurochirurgica, 2022, 164, 385-392.	1.7	1
4	The Applied Data Analytics in Medicine Program: Lessons Learned From Four Years' Experience With Personalizing Health Care in an Academic Teaching Hospital. JMIR Formative Research, 2022, 6, e29333.	1.4	2
5	GATA-1 Defects in Diamond–Blackfan Anemia: Phenotypic Characterization Points to a Specific Subset of Disease. Genes, 2022, 13, 447.	2.4	9
6	Sepsis labels defined by claims-based methods are ill-suited for training machine learning algorithms. Clinical Microbiology and Infection, 2022, , .	6.0	1
7	Describing Characteristics and Differences of Neutrophils in Sepsis, Trauma, and Control Patients in Routinely Measured Hematology Data. Biomedicines, 2022, 10, 633.	3.2	1
8	Safety and efficacy of mitapivat, an oral pyruvate kinase activator, in sickle cell disease: A phase 2, open″abel study. American Journal of Hematology, 2022, 97, .	4.1	21
9	Proton pump inhibition for secondary hemochromatosis in hereditary anemia: a phase <scp>III</scp> placeboâ€controlled randomized crossâ€over clinical trial. American Journal of Hematology, 2022, 97, 924-932.	4.1	5
10	The Interplay between Drivers of Erythropoiesis and Iron Homeostasis in Rare Hereditary Anemias: Tipping the Balance. International Journal of Molecular Sciences, 2021, 22, 2204.	4.1	5
11	Dried blood spot metabolomics reveals a metabolic fingerprint with diagnostic potential for Diamond Blackfan Anaemia. British Journal of Haematology, 2021, 193, 1185-1193.	2.5	4
12	Metabolic Fingerprint in Hereditary Spherocytosis Correlates With Red Blood Cell Characteristics and Clinical Severity. HemaSphere, 2021, 5, e591.	2.7	2
13	Defining the awake baseline blood pressure in patients undergoing carotid endarterectomy. International Angiology, 2021, 40, 478-486.	0.9	1
14	Untargeted metabolic profiling in dried blood spots identifies disease fingerprint for pyruvate kinase deficiency. Haematologica, 2021, 106, 2720-2725.	3.5	14
15	Redundant laboratory testing on referral from general practice to the outpatient clinic. BJGP Open, 2021, , BJGPO.2021.0134.	1.8	O
16	Ambiguous definitions for baseline serum creatinine affect acute kidney diagnosis at the emergency department. BMC Nephrology, 2021, 22, 371.	1.8	5
17	A Comprehensive Analysis of the Erythropoietin-erythroferrone-hepcidin Pathway in Hereditary Hemolytic Anemias. HemaSphere, 2021, 5, e627.	2.7	1
18	Ferritin Levels Do Not Reflect the Severity of Iron Overload in Diamond Blackfan Anemia. Blood, 2021, 138, 3078-3078.	1.4	O

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19	Safety and Efficacy of Mitapivat (AG-348), an Oral Activator of Pyruvate Kinase R, in Subjects with Sickle Cell Disease: A Phase 2, Open-Label Study (ESTIMATE). Blood, 2021, 138, 2047-2047.	1.4	4
20	Transportability and Implementation Challenges of Early Warning Scores for Septic Shock in the ICU: A Perspective on the TREWScore. Frontiers in Medicine, 2021, 8, 793815.	2.6	O
21	Association of low testosterone with changes in non-cardiovascular biomarkers in adult men. International Journal of Impotence Research, 2020, 32, 167-175.	1.8	4
22	Density, heterogeneity and deformability of red cells as markers of clinical severity in hereditary spherocytosis. Haematologica, 2020, 105, 338-347.	3.5	27
23	Data mining information from electronic health records produced high yield and accuracy for current smoking status. Journal of Clinical Epidemiology, 2020, 118, 100-106.	5.0	25
24	Reticulated Platelets as Predictor of Myocardial Injury and 30 Day Mortality After Non-cardiac Surgery. European Journal of Vascular and Endovascular Surgery, 2020, 59, 309-318.	1.5	15
25	Fragile neutrophils in surgical patients: A phenomenon associated with critical illness. PLoS ONE, 2020, 15, e0236596.	2.5	5
26	Neutrophil fluorescence in clozapine users is attributable to a 14kDa secretable protein. Pharmacology Research and Perspectives, 2020, 8, e00627.	2.4	0
27	AG-348 (Mitapivat), an allosteric activator of red blood cell pyruvate kinase, increases enzymatic activity, protein stability, and ATP levels over a broad range of PKLR genotypes. Haematologica, 2020, 106, 238-249.	3.5	45
28	Low-Density Lipoprotein Cholesterol Target Attainment in Patients With Established Cardiovascular Disease: Analysis of Routine Care Data. JMIR Medical Informatics, 2020, 8, e16400.	2.6	3
29	Untargeted Metabolomic Fingerprinting As a Potential Tool in the Diagnostic Evaluation of Diamond Blackfan Anemia. Blood, 2020, 136, 7-8.	1.4	1
30	A Rise in Neutrophil Cell Size Precedes Organ Dysfunction After Trauma. Shock, 2019, 51, 439-446.	2.1	18
31	SAFE@HOME – Feasibility study of a telemonitoring platform combining blood pressure and preeclampsia symptoms in pregnancy care. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2019, 240, 226-231.	1.1	32
32	Association of a Multifaceted Intervention With Ordering of Unnecessary Laboratory Tests Among Caregivers in Internal Medicine Departments. JAMA Network Open, 2019, 2, e197577.	5.9	17
33	Unbound Fraction of Clozapine Significantly Decreases with Elevated Plasma Concentrations of the Inflammatory Acute-Phase Protein Alpha-1-Acid Glycoprotein. Clinical Pharmacokinetics, 2019, 58, 1069-1075.	3.5	9
34	Routine Blood Tests Do Not Predict Survival in Patients with Glioblastomaâ€"Multivariable Analysis of 497 Patients. World Neurosurgery, 2019, 126, e1081-e1091.	1.3	13
35	Organ involvement occurs in all forms of hereditary haemolytic anaemia. British Journal of Haematology, 2019, 185, 602-605.	2.5	2
36	Osteoprotegerin is Higher in Sepsis Than in Noninfectious SIRS and Predicts 30-Day Mortality of SIRS Patients in the Intensive Care. journal of applied laboratory medicine, The, 2019, 3, 559-568.	1.3	8

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37	A single preoperative blood test predicts postoperative sepsis and pneumonia after coronary bypass or open aneurysm surgery. European Journal of Clinical Investigation, 2019, 49, e13055.	3.4	14
38	Measuring Free-Living Physical Activity With Three Commercially Available Activity Monitors for Telemonitoring Purposes: Validation Study. JMIR Formative Research, 2019, 3, e11489.	1.4	16
39	A Human(e) Factor in Clinical Decision Support Systems. Journal of Medical Internet Research, 2019, 21, e11732.	4.3	52
40	Worldwide study of hematopoietic allogeneic stem cell transplantation in pyruvate kinase deficiency. Haematologica, 2018, 103, e82-e86.	3.5	42
41	Routinely measured hematological parameters and prediction of recurrent vascular events in patients with clinically manifest vascular disease. PLoS ONE, 2018, 13, e0202682.	2.5	10
42	Squeezing for Life – Properties of Red Blood Cell Deformability. Frontiers in Physiology, 2018, 9, 656.	2.8	213
43	Megakaryocyte lineage development is controlled by modulation of protein acetylation. PLoS ONE, 2018, 13, e0196400.	2.5	3
44	Reducing Test Utilization in Hospital Settings: A Narrative Review. Annals of Laboratory Medicine, 2018, 38, 402-412.	2.5	57
45	An increase in myeloid cells after severe injury is associated with normal fracture healing: a retrospective study of 62 patients with a femoral fracture. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 89, 585-590.	3.3	4
46	Hematological Parameters Outperform Plasma Markers in Predicting Long-Term Mortality After Coronary Angiography. Angiology, 2018, 69, 600-608.	1.8	9
47	A Multicenter Before-After Study on Reducing Unnecessary Diagnostics by Changing the Attitude of Caregivers: Protocol for the RODEO Project. JMIR Research Protocols, 2018, 7, e10473.	1.0	7
48	eHealth as the Next-Generation Perinatal Care: An Overview of the Literature. Journal of Medical Internet Research, 2018, 20, e202.	4.3	215
49	Predicting Flare Probability in Rheumatoid Arthritis using Machine Learning Methods. , 2018, , .		9
50	The selective NLRP3-inflammasome inhibitor MCC950 reduces infarct size and preserves cardiac function in a pig model of myocardial infarction. European Heart Journal, 2017, 38, ehw247.	2.2	222
51	Effect of Monocyte-to-Lymphocyte Ratio on Heart Failure Characteristics and Hospitalizations in a Coronary Angiography Cohort. American Journal of Cardiology, 2017, 120, 911-916.	1.6	32
52	Overestimation of Hypoglycemia in Infants with a High Hematocrit. journal of applied laboratory medicine, The, 2016, 1, 77-82.	1.3	0
53	Impaired bone healing in multitrauma patients is associated with altered leukocyte kinetics after major trauma. Journal of Inflammation Research, 2016, 9, 69.	3. 5	32
54	Dealing with anti D38 (daratumumab) interference in blood compatibility testing. Transfusion, 2016, 56, 778-779.	1.6	19

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55	Display of GPlâ€anchored antiâ€EGFR nanobodies on extracellular vesicles promotes tumour cell targeting. Journal of Extracellular Vesicles, 2016, 5, 31053.	12.2	284
56	Cetuximab treatment alters the content of extracellular vesicles released from tumor cells. Nanomedicine, 2016, 11, 881-890.	3.3	20
57	Validity of diagnostic codes and laboratory measurements to identify patients with idiopathic acute liver injury in a hospital database. Pharmacoepidemiology and Drug Safety, 2016, 25, 21-28.	1.9	14
58	Proteomics reveals reduced expression of transketolase in pyrimidine 5′â€nucleotidase deficient patients. Proteomics - Clinical Applications, 2016, 10, 859-869.	1.6	4
59	Patient monitoring: the hidden costs of treatment with antipsychotics. British Journal of Clinical Pharmacology, 2016, 82, 570-572.	2.4	1
60	Routinely analyzed leukocyte characteristics improve prediction of mortality after coronary angiography. European Journal of Preventive Cardiology, 2016, 23, 1211-1220.	1.8	22
61	Translational failure of anti-inflammatory compounds for myocardial infarction: a meta-analysis of large animal models. Cardiovascular Research, 2016, 109, 240-248.	3.8	31
62	New mAb therapies in multiple myeloma: interference with blood transfusion compatibility testing. Current Opinion in Hematology, 2016, 23, 557-562.	2.5	20
63	Partial pyruvate kinase deficiency aggravates the phenotypic expression of band 3 deficiency in a family with hereditary spherocytosis. American Journal of Hematology, 2015, 90, E35-9.	4.1	25
64	Invasive surgery reduces infarct size and preserves cardiac function in a porcine model of myocardial infarction. Journal of Cellular and Molecular Medicine, 2015, 19, 2655-2663.	3.6	11
65	When blood transfusion medicine becomes complicated due to interference by monoclonal antibody therapy. Transfusion, 2015, 55, 1555-1562.	1.6	131
66	Influence of a strict glucose protocol on serum potassium and glucose concentrations and their association with mortality in intensive care patients. Critical Care, 2015, 19, 270.	5.8	11
67	Pyruvate kinase deficiency and severe congenital hemolytic anemia in a double heterozygous patient with paternal transmission of an early germâ€line <i>de novo</i> mutation. American Journal of Hematology, 2015, 90, E217-9.	4.1	5
68	Novel Homozygous Mutation of the Internal Translation Initiation Start Site of <i>VHL</i> is Exclusively Associated with Erythrocytosis: Indications for Distinct Functional Roles of von Hippel-Lindau Tumor Suppressor Isoforms. Human Mutation, 2015, 36, 1039-1042.	2.5	8
69	Adherence with Dosing Guideline in Patients with Impaired Renal Function at Hospital Discharge. PLoS ONE, 2015, 10, e0128237.	2.5	30
70	Hematological Parameters Improve Prediction of Mortality and Secondary Adverse Events in Coronary Angiography Patients. Medicine (United States), 2015, 94, e1992.	1.0	25
71	Microparticles as biomarkers of osteonecrosis of the hip in sickle cell disease. British Journal of Haematology, 2015, 168, 135-138.	2.5	18
72	Ribosomal Protein Mutations Induce Autophagy through S6 Kinase Inhibition of the Insulin Pathway. PLoS Genetics, 2014, 10, e1004371.	3.5	58

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7 3	Admittance-based pressure-volume loops versus gold standard cardiac magnetic resonance imaging in a porcine model of myocardial infarction. Physiological Reports, 2014, 2, e00287.	1.7	10
74	Extracellular vesicles as drug delivery systems: Lessons from the liposome field. Journal of Controlled Release, 2014, 195, 72-85.	9.9	372
7 5	Fluorescence of neutrophil granulocytes as a biomarker for clozapine use. European Neuropsychopharmacology, 2013, 23, 1408-1413.	0.7	6
76	Comparison between the prognostic value of the white blood cell differential count and morphological parameters of neutrophils and lymphocytes in severely injured patients for 7-day in-hospital mortality. Biomarkers, 2012, 17, 642-647.	1,9	14
77	Instructions on laboratory monitoring in 200 drug labels. Clinical Chemistry and Laboratory Medicine, 2012, 50, 1351-8.	2.3	13
78	A role for activated endothelial cells in red blood cell clearance: implications for vasopathology. Haematologica, 2012, 97, 500-508.	3.5	64
79	Serum Potassium Influencing Interacting Drugs: Risk-Modifying Strategies Also Needed at Discontinuation. Annals of Pharmacotherapy, 2012, 46, 176-182.	1.9	6
80	Microvesicles and exosomes: Opportunities for cell-derived membrane vesicles in drug delivery. Journal of Controlled Release, 2012, 161, 635-644.	9.9	347
81	Thrombocytopenia in Adult Cancer Patients Receiving Cytotoxic Chemotherapy. Drug Safety, 2011, 34, 1151-1160.	3.2	54
82	Determinants of Red Cell Distribution Width (RDW) in Cardiorenal Patients: RDW is Not Related to Erythropoietin Resistance. Journal of Cardiac Failure, 2011, 17, 626-633.	1.7	60
83	Automated Detection of External Ventricular and Lumbar Drain-Related Meningitis Using Laboratory and Microbiology Results and Medication Data. PLoS ONE, 2011, 6, e22846.	2.5	12
84	Frequency of laboratory measurement and hyperkalaemia in hospitalised patients using serum potassium concentration increasing drugs. European Journal of Clinical Pharmacology, 2011, 67, 933-940.	1.9	17
85	Discriminative value of platelet size indices for the identification of the mechanism of chemotherapy-induced thrombocytopenia. Biomarkers, 2011, 16, 51-57.	1.9	7
86	Evaluation of hematological parameters on admission for the prediction of 7-day in-hospital mortality in a large trauma cohort. Clinical Chemistry and Laboratory Medicine, 2011, 49, 493-499.	2.3	28
87	Erythrophagocytosis by angiogenic endothelial cells is enhanced by loss of erythrocyte deformability. Experimental Hematology, 2010, 38, 282-291.	0.4	27
88	Quantitative erythrocyte membrane proteome analysis with Blue-Native/SDS PAGE. Journal of Proteomics, 2010, 73, 456-465.	2.4	60
89	Testing bias in clinical databases: methodological considerations. Emerging Themes in Epidemiology, 2010, 7, 2.	2.7	6
90	Measuring exacerbations in obstructive lung disease. Pharmacoepidemiology and Drug Safety, 2010, 19, 367-374.	1.9	6

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91	Frequency and nature of drug–drug interactions in a Dutch university hospital. British Journal of Clinical Pharmacology, 2010, 70, 618-618.	2.4	37
92	Medication Changes Prior to Hospitalization for Obstructive Lung Disease: A Case-Crossover Study. Annals of Pharmacotherapy, 2010, 44, 267-273.	1.9	4
93	Mutations in the perforin gene can be linked to macrophage activation syndrome in patients with systemic onset juvenile idiopathic arthritis. Rheumatology, 2010, 49, 441-449.	1.9	202
94	Effects of glucocorticoids on the neutrophil count: A cohort study among hospitalized patients. Pulmonary Pharmacology and Therapeutics, 2010, 23, 129-134.	2.6	11
95	Effects of corticosteroid use on readmission in obstructive lung disease. Respiratory Medicine, 2010, 104, 211-218.	2.9	1
96	Management of Gene Promoter Mutations in Molecular Diagnostics. Clinical Chemistry, 2009, 55, 698-708.	3.2	67
97	Hematocytometry analysis as discriminative marker for asthma phenotypes. Clinical Chemistry and Laboratory Medicine, 2009, 47, 573-8.	2.3	7
98	Changes in Hematological Parameters After Switching Treatment of HIV-Infected Patients from Zidovudine to Abacavir or Tenofovir DF. HIV Clinical Trials, 2009, 10, 125-128.	2.0	4
99	Compliance with Platelet Count Monitoring Recommendations and Management of Possible Heparin-Induced Thrombocytopenia in Hospitalized Patients Receiving Low-Molecular-Weight Heparin. Annals of Pharmacotherapy, 2009, 43, 1405-1412.	1.9	16
100	Fifteen novel mutations in <i>PKLR </i> associated with pyruvate kinase (PK) deficiency: Structural implications of amino acid substitutions in PK. Human Mutation, 2009, 30, 446-453.	2.5	33
101	Frequency and nature of drug–drug interactions in a Dutch university hospital. British Journal of Clinical Pharmacology, 2009, 68, 187-193.	2.4	89
102	First mutation in the red blood cell-specific promoter of hexokinase combined with a novel missense mutation causes hexokinase deficiency and mild chronic hemolysis. Haematologica, 2009, 94, 1203-1210.	3.5	15
103	Platelet Measurements versus Discharge Diagnoses for Identification of Patients with Potential Drug-Induced Thrombocytopenia. Drug Safety, 2009, 32, 69-76.	3.2	10
104	Laboratory Tests in the Clinical Risk Management of Potential Drug-Drug Interactions. Drug Safety, 2009, 32, 1189-1197.	3.2	20
105	Identification of exacerbations in obstructive lung disease through biomarkers. Biomarkers, 2009, 14, 523-528.	1.9	11
106	Gene promoter analysis in molecular diagnostics: do or don't?. Expert Review of Molecular Diagnostics, 2009, 9, 403-405.	3.1	9
107	Glucose 6-phosphate dehydrogenase deficiency in an elite long-distance runner. Blood, 2009, 113, 2118-2119.	1.4	6
108	GATA-1 binding sites in exon 1 direct erythroid-specific transcription of PPOX. Gene, 2008, 409, 83-91.	2.2	14

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109	Highly Efficient Depletion Strategy for the Two Most Abundant Erythrocyte Soluble Proteins Improves Proteome Coverage Dramatically. Journal of Proteome Research, 2008, 7, 3060-3063.	3.7	74
110	A family with multiple mutations and sequence variations in the \hat{l}_{\pm} - and \hat{l}^2 -globin gene clusters. Clinical Chemistry and Laboratory Medicine, 2008, 46, 165-8.	2.3	0
111	Characterization of the -148C>T promoter polymorphism in PKLR. Haematologica, 2008, 93, 1407-1408.	3.5	3
112	Linking laboratory and medication data: new opportunities for pharmacoepidemiological research. Clinical Chemistry and Laboratory Medicine, 2007, 45, 13-9.	2.3	110
113	Characterization of the \hat{a}^{1} 16C>G sequence variation in the promoters of both HBG1 and HBG2: Convergent evolution of the human \hat{a}^{3} -globin genes. Blood Cells, Molecules, and Diseases, 2007, 39, 70-74.	1.4	11
114	Pyruvate kinase deficiency associated with severe liver dysfunction in the newborn. American Journal of Hematology, 2007, 82, 1025-1028.	4.1	24
115	Molecular characterisation of pyruvate kinase deficiency? concerns about the description of mutant PKLR alleles. British Journal of Haematology, 2007, 136, 167-169.	2.5	3
116	Drug-Induced Thrombocytopenia. Drug Safety, 2006, 29, 713-721.	3.2	29
117	Pediatric Tube Direct Sampling by the Abbott Architect Integrated ci8200 Chemistry/Immunochemistry Analyzer. Clinical Chemistry, 2006, 52, 768-770.	3.2	2
118	Differences in Mortality on the Basis of Complete Blood Count in an Unselected Population at the Emergency Department. Laboratory Hematology: Official Publication of the International Society for Laboratory Hematology, 2006, 12, 134-138.	1.2	11
119	Differences in mortality on the basis of laboratory parameters in an unselected population at the Emergency Department. Clinical Chemistry and Laboratory Medicine, 2005, 43, 536-41.	2.3	29
120	GATA-1 Binding to Exon 1 Directs High Level Erythroid-Specific Expression of the Human Protoporphyrinogen Oxidase Gene Blood, 2005, 106, 1682-1682.	1.4	0
121	Mathematical Correction of the In Vitro Storage–Related Increase in Erythrocyte Mean Cell Volume of an Automated Hematology Analyzer—the Cell-Dyn 4000. Laboratory Hematology: Official Publication of the International Society for Laboratory Hematology, 2004, 10, 68-73.	1.2	9
122	Disruption of a novel regulatory element in the erythroid-specific promoter of the human PKLR gene causes severe pyruvate kinase deficiency. Blood, 2003, 101, 1596-1602.	1.4	50
123	Five novel mutations in the gene for human blood coagulation factor V associated with type I factor V deficiency. Blood, 2001, 98, 358-367.	1.4	68
124	A novel CBFA2 single-nucleotide mutation in familial platelet disorder with propensity to develop myeloid malignancies. Blood, 2001, 98, 2856-2858.	1.4	127
125	Coexistence of a novel homozygous nonsense mutation in exon 13 of the factor V gene with the homozygous Leiden mutation in two unrelated patients with severe factor V deficiency. British Journal of Haematology, 2001, 114, 871-874.	2.5	20
126	Clinical Expression of a Rare \hat{l}^2 -Globin Gene Mutation Co-Inherited with Haemoglobin E-Disease. Clinical Chemistry and Laboratory Medicine, 1996, 34, 949-54.	2.3	6

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127	A distal Sp 1-element is necessary for maximal activity of the human gastrin gene promoter. FEBS Letters, 1995, 369, 225-228.	2.8	12
128	Developmental expression of the gastrin and cholecystokinin genes in rat colon. Gastroenterology, 1993, 104, 1092-1098.	1.3	70
129	Expression but incomplete maturation of progastrin in colorectal carcinomas. Gastroenterology, 1993, 104, 1099-1107.	1.3	154
130	Co-transcription of the gastrin and cholecystokinin genes with selective translation of gastrin mRNA in a human gastric carcinoma cell line. FEBS Letters, 1992, 309, 47-50.	2.8	36
131	Radioimmunoassay for sequence 38–54 of human progastrin: increased diagnostic specificity of gastrin-cell diseases. Clinica Chimica Acta, 1990, 192, 35-46.	1.1	22
132	SAFE@HOME - Telemonitoring of blood pressure and symptoms with a digital platform in pregnancy care: a feasibility study (Preprint). JMIR Formative Research, 0, , .	1.4	0