

CORRECTION

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Correction to: The NYCKidSeq project: study protocol for a randomized controlled trial incorporating genomics into the clinical care of diverse New York City children

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Following publication of the original article [1], we were notified that the originally published Table 2 was incorrect. References 1–33 were not impacted by the table update and remain unchanged, but are updated from reference 34 onward.

The original article can be found online at <https://doi.org/10.1186/s13063-020-04953-4>.

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- Originally published Table 2

Table 2 NYCKidSeq participant outcomes by survey timepoint

Variable	Source	BL ¹	ROR1 ²	ROR2 ³
Primary outcome				
<i>Perceived understanding of genomic testing results</i>	NYCKidSeq developed measure (novel)	–	X	X
Secondary outcomes				
<i>Objective understanding of genomic testing results</i>	NYCKidSeq developed measure (novel)	–	X	X
<i>Medical actions and non-medical/patient-initiated actions attributable to genomic testing</i>	CSER developed measures (novel): Attributable to Genomic Testing (RMA) and Patient-Initiated Actions Attributable to Genomic Testing (PIA)	–	–	X
Attitudes				
<i>Satisfaction with the mode of delivery</i>	CSER developed measure (novel) adapted from Patient Assessment of cancer Communication Experiences (PACE) [34, 35]	–	X	–
<i>Satisfaction with results</i>	Satisfaction with information about medicine (SIMS) [36]	–	X	–
<i>Attitudes toward genetic testing</i>	Adapted from Genetic testing to Understand and Address Renal Disease Disparities (GUARDD) study [37, 38]	X	X	X
<i>Empowerment</i>	Adapted from GUARDD study [37]	X	X	X
<i>Decisional conflict</i>	Decisional Conflict Scale (Low Literacy) [39]	X	X	X
Perceived utility				
<i>Impact of genomic testing on health status</i>	Functional status II-R (child) [40]	X	–	X
<i>Impact of genomic testing on quality of life</i>	Child Health Utility Instrument (CHU9D; parent as proxy) [41]; SF-12 health survey (for parent) [42]	X	–	X
<i>Clinical utility</i>	Patient-reported utility (PrU) [43]	–	X	X
Psychological impact				
<i>Feelings about genomic testing results</i>	Feelings About Genomic Testing Results (FACToR) [44]	–	X	X
<i>Uncertainty</i>	Perceptions of Uncertainties in Genomic Sequencing (PUGS) [45]; FACToR subscale [44]	–	X	X
<i>Depression</i>	8-item Patient Health Questionnaire depression scale (PHQ-8) [46]	X	X	X
<i>Anxiety</i>	Generalized Anxiety Disorder Screener (GAD-2) [47, 48]	X	X	X
<i>Perceived stress</i>	Perceived Stress Scale 4-item (PSS-4) [49]	X	X	X
<i>Self-efficacy</i>	Decision Self-Efficacy Scale [50]	X	–	–
<i>Patient activation</i>	Short Form Patient Activation Measure (PAM) [51]	X	–	–
<i>Decisional regret</i>	Decision Regret Scale [52]	–	X	X
Behavioral impact				
<i>Information seeking</i>	CSER developed measure (novel); Adapted from Psychological Adaptation to Genetic Information Scale [53]	–	X	X
<i>Family communication</i>	CSER developed measure (novel)	–	–	X
Social impact				
<i>Support</i>	Low-Literacy Decisional Conflict Scale (Q6 and Q8) [54]	X	X	X
<i>Access to care</i>	CSER developed measure (novel)	X	X	X
<i>Life chaos</i>	Chaos Scale [55]	X	–	–
<i>Family and community</i>	Medical Outcomes Study Social Support Survey (mMOS-SS) [56]	X	–	–
<i>Quality of life ascertainment (for child)</i>	PedsQL Parent Proxy Generic Core [57]; EuroQol-Visual Analog Scale (VAS) [58]	X	–	X

Table 2 NYCKidSeq participant outcomes by survey timepoint (*Continued*)

Variable	Source	BL ¹	ROR1 ²	ROR2 ³
Economic impact				
<i>Cost/value</i>	CSER developed measure (novel)	–	X	X
<i>Healthcare utilization</i>	Self-reported Utilization of Health Care Services [59]	–	X	X
Sociodemographic factors				
<i>Literacy; numeracy</i>	BRIEF Health Literacy Survey [60]; Subjective Numeracy Scale (SNS-3) [61]	X	–	–
<i>History of receiving genetic testing</i>	Adapted from the GUARDD study [37]	X	–	–
<i>Trust in healthcare system</i>	CSER developed measure (novel) adapted from Health Care System Distrust Scale [62]	X	–	–
<i>Health beliefs</i>	Brief Illness Perception Questionnaire (IPQ) [63]	X	–	–
<i>Child and parent: sex, age, race/ethnicity, country of origin, language, insurance status, residential history, zip code</i>	CSER developed measure (novel); Adapted from HCHS/SOL Personal Information Questionnaire [64]	X	–	–
<i>Parent only: education level, employment, income, household, marital status</i>	CSER developed measure (novel); Adapted from HCHS/SOL Personal Information Questionnaire [64]	X	–	–
<i>Grandparents of child: residential history</i>	Adapted from HCHS/SOL Personal Information Questionnaire [64]	X	–	–

¹BL = baseline survey

²ROR1 = return of results, visit 1 survey

³ROR2 = return of results, visit 2 survey

- Corrected Table 2

Table 2 NYCKidSeq participant outcomes by survey timepoint

VARIABLE	SOURCE ^a	BL ^b	ROR1 ^c	ROR2 ^d
Understanding				
<i>Perceived understanding of genomic testing results</i>	NYCKidSeq (novel); CSER (novel); CSER measure adapted from Psychological Adaptation to Genetic Information Scale (PAGIS) [34]	-	X	X
<i>Objective understanding of genomic testing results</i>	NYCKidSeq (novel)	-	X	X
<i>Understanding of medical follow up & actionability</i>	Adapted from CSER (novel); Recommended Medical Actions and Follow Through on Recommendations Attributable to Genomic Testing (MRA)	-	X	-
Attitudes				
<i>Expectations of genetic testing</i>	Adapted from Patient Reported Utility (PrU) [35]; NYCKidSeq (novel)	X	-	-
<i>Satisfaction with results and communication mode</i>	CSER (novel)	-	X	-
<i>Patient assessment of communication</i>	CSER measure adapted from Patient Assessment of cancer Communication Experiences (PACE) [36, 37]	-	X	-
<i>Evaluation of communication tool (GUÍA)</i>	NYCKidSeq (novel) adapted from Lobb et al. 2006 [38] and Sanderson et al. 2016 [39]	-	X	-
<i>Satisfaction with interpretation and perceived cultural concordance (Spanish speakers only)</i>	CSER (novel)	-	X	-
<i>Evaluation of provided patient resources</i>	NYCKidSeq (novel)	-	-	X
Perceived Utility				
<i>Patient reported utility</i>	CSER measure adapted from Patient Reported Utility (PrU) [35]	-	X	X
Psychological Impact				
<i>Feelings about genomic testing results</i>	CSER measure adapted from Feelings About Genomic Testing Results (FACToR) [40]	-	X	X
<i>Uncertainty</i>	CSER measure adapted from Perceptions of Uncertainties in Genomic Sequencing (PUGS) [41] and FACToR subscale [40]	-	X	X
<i>Decisional regret (for positive secondary findings only)</i>	Adapted from Decision Regret Scale [42]	-	X	X
Behavioral Impact				
<i>Information seeking</i>	CSER (novel)	-	X	X
Adherence to medical follow up recommendations; Patient-Initiated actions attributable to genomic testing	CSER (novel); Recommended Medical Actions and Follow Through on Recommendations Attributable to Genomic Testing (MRA); Patient-Initiated Actions Attributable to Genomic Testing (PIA)	-	-	X
<i>Family communication</i>	CSER (novel)	-	-	X
Social Impact				
<i>Access to care</i>	CSER measure adapted from Medicare Expenditure Panel Survey, Household Component (MEPS-HC) [43]	X	-	-
<i>Quality of life ascertainment (for child)</i>	Pediatric Quality of Life Inventory (PedsQL) Parent Proxy Generic Core [44]; Adapted from EuroQol-Visual Analog Scale (VAS) [45]	X	-	X
Economic Impact				
<i>Cost utility</i>	Adapted from Hebert et al. 2008 [46] and Valuation of Informal Care Questionnaire (iVICQ) [47]	X	-	X
Sociodemographic Factors				
<i>Health literacy; Subjective numeracy</i>	CSER measure adapted from BRIEF Health Literacy Survey [48]; CSER measure adapted from Subjective Numeracy Scale (SNS-3) [49]	X	-	-

Table 2 NYCKidSeq participant outcomes by survey timepoint (*Continued*)

VARIABLE	SOURCE ^a	BL ^b	ROR1 ^c	ROR2 ^d
<i>History of receiving genetic testing</i>	NYCKidSeq (novel) adapted from Genetic testing to Understand and Address Renal Disease Disparities (GUARDD) study [50]	X	-	-
<i>Trust in health care system</i>	CSER measure adapted from Health Care System Distrust Scale [51]	X	-	-
<i>Insurance status of child</i>	CSER measure adapted from National Health and Nutrition Examination Survey (NHANES) [52]	X	-	X
<i>Child only: sex, grandparent(s) country of origin</i>	CSER measure adapted from GenIUSS [53], CSER (novel)	X	-	-
<i>Child and Parent: age, race/ethnicity, country of origin, zip code</i>	Date of birth, CSER measure adapted from US Census [54, 55], CSER (novel), Zip code	X	-	-
<i>Parent only: education level, language, income, household, marital status</i>	Education and language: CSER (novel) Income and household: CSER measure adapted from NHANES [52] Marital status: NYCKidSeq (novel)	X	-	-

^aNote: NYCKidSeq measures were developed specifically for the RCT. CSER measures were developed by a collaborative group of CSER investigators, as outlined in Goddard et al., 2020 [56]

^bBL Baseline survey

^cROR1 Return of results, visit 1 survey

^dROR2 Return of results, visit 2 survey

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The original article has been corrected.

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