

## Frequencies

## Notes

Output Created		12-SEP-2023 14:27:42
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1
	Filter	Cohort_Group = 3   Cohort_Group = 1 (FILTER)
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	24749
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.

Syntax		FREQUENCIES VARIABLES=Date_of_first_consultation_recorded  /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.13
	Elapsed Time	00:00:00.13

[DataSet1] S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS\_NS.sav

### Statistics

Date\_of\_first\_consultation\_recorded

N	Valid	24749
	Missing	0

### Date\_of\_first\_consultation\_recorded

Frequency	Percent	Valid Percent	Cumulative Percent
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Valid	no	14513	58.6	58.6	58.6
	yes	10236	41.4	41.4	100.0
	Total	24749	100.0	100.0	

## Frequencies

## Notes

Output Created		12-SEP-2023 14:27:43
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1
	Filter	Cohort_Group = 1 (FILTER)
	Weight	<none>
	Split File	<none>

N of Rows in Working Data File		22750
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Date_of_first_consultation_recorded  /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17

### Statistics

Date\_of\_first\_consultation\_recorded

N	Valid	22750
	Missing	0

Date\_of\_first\_consultation\_recorded

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	13403	58.9	58.9	58.9
	yes	9347	41.1	41.1	100.0
	Total	22750	100.0	100.0	

## Frequencies

## Notes

Output Created		12-SEP-2023 14:27:43
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1
	Filter	Cohort_Group = 3 (FILTER)

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1999
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data.
Syntax		FREQUENCIES VARIABLES=Date_of_first_consultation_recorded  /ORDER=ANALYSIS.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17

## Statistics

Date\_of\_first\_consultation\_recorded

N	Valid	1999
	Missing	0

### Date\_of\_first\_consultation\_recorded

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	no	1110	55.5	55.5	55.5
	yes	889	44.5	44.5	100.0
	Total	1999	100.0	100.0	

### Generalized Linear Mixed Models

#### Notes

Output Created		12-SEP-2023 14:27:47
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1

Filter	Cohort_Group = 1   Cohort_Group = 3 (FILTER)
Weight	<none>
Split File	<none>
N of Rows in Working Data File	24749



Syntax

```
GENLINMIXED

  /DATA_STRUCTURE
SUBJECTS=Local_Authority

  /FIELDS
TARGET=Date_of_first_consulta
tion_recorded TRIALS=NONE
OFFSET=NONE

  /TARGET_OPTIONS
DISTRIBUTION=BINOMIAL
LINK=LOGIT

  /FIXED USE_INTERCEPT=TRUE

  /RANDOM
USE_INTERCEPT=TRUE
SUBJECTS=Local_Authority
COVARIANCE_TYPE=VARIANC
E_COMPONENTS

  SOLUTION=FALSE

  /BUILD_OPTIONS
TARGET_CATEGORY_ORDER=D
ESCENDING
INPUTS_CATEGORY_ORDER=D
ESCENDING

  MAX_ITERATIONS=100
CONFIDENCE_LEVEL=95
DF_METHOD=RESIDUAL
COVB=MODEL
```

		PCONVERGE=0.000001(ABSOLUTE)
		SCORING=0
		SINGULAR=0.000000000001
		/EMMEANS_OPTIONS
		SCALE=ORIGINAL
		PADJUST=LSD.
Resources	Processor Time	00:00:04.66
	Elapsed Time	00:00:03.84

### Case Processing Summary

	N	Percent
Included	24749	100.0%
Excluded	0	0.0%
Total	24749	100.0%

### Model Summary

Target	Date_of_first_consultation_recorded
Probability Distribution	Binomial

Link Function		Logit
Information Criterion	Akaike Corrected	105922.938
	Bayesian	105931.055

Information criteria are based on the -2 log likelihood (105920.938) and are used to compare models. Models with smaller information criterion values fit better.

### Data Structure<sup>a</sup>

[illegible]

	1.000	no
	1.000	no
Total Number of Levels	22	

Only the first 10 records are displayed.<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

## Classification

**Overall Percent Correct = 59.7%**<sup>a</sup>

		Predicted	
		yes	no
yes	Count	1821	8415
	% within Observed	17.8%	82.2%
no	Count	1550	12963
	% within Observed	10.7%	89.3%

a. Target: Date\_of\_first\_consultation\_recorded

## Fixed Effects<sup>a</sup>

Source	F	df1	df2	Sig.
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Corrected Model <sup>b</sup>	.	0	.	.
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Probability distribution: Binomial

Link function: Logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

b. The fixed effects include intercept only.

#### Fixed Coefficients<sup>a</sup>

Model Term	Coefficient	Std. Error	t	Sig.	95% Confidence Interval		Exp(Coefficient)	95% Confidence Interval for Exp(Coefficient)	
					Lower	Upper		Lower	Upper
Intercept	-.360	.0708	-5.083	<.001	-.499	-.221	.698	.607	.802

Probability distribution: Binomial

Link function: Logit<sup>a</sup>

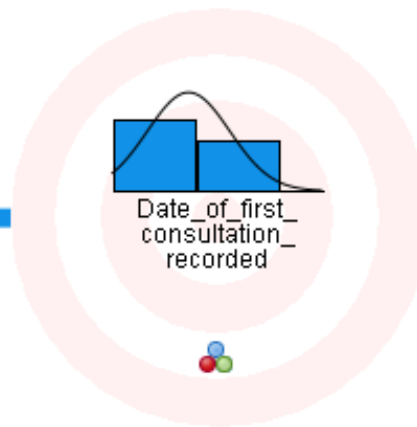
a. Target: Date\_of\_first\_consultation\_recorded

## Fixed Coefficients

Coefficient  
Estimate

— Negative

Intercept



Random Effect Covariances

Random Effect Block 1

Random Effect Block	Intercept
Intercept	.106
Covariance Structure: Variance components	
Subject Specification: Local_Authority	

Covariance Parameters

Covariance Parameters Summary

Covariance Parameters	Residual Effect	0
	Random Effects	1

Design Matrix Columns	Fixed Effects	1
	Random Effects	1 <sup>a</sup>
Common Subjects		22

Common subjects are based on the subject specifications for the residual and random effects and are used to chunk the data for better performance.

a. This is the number of columns per common subject.

### Residual Effect

Residual Effect	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower	Upper
Variance	1.000	.	.	.	.	.

Covariance Structure: Scaled Identity

Subject Specification: (None)

### Random Effect

Random Effect Covariance	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower	Upper
Var(Intercept)	.106	.034	3.104	.002	.056	.200



Covariance Structure: Variance components

Subject Specification: Local\_Authority

## Generalized Linear Mixed Models

### Notes

Output Created		12-SEP-2023 14:27:51
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1
	Filter	Cohort_Group = 1   Cohort_Group = 3 (FILTER)
	Weight	<none>
	Split File	<none>

N of Rows in Working Data File	24749
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Syntax

```
GENLINMIXED

/FIELDS
TARGET=Date_of_first_consulta
tion_recorded TRIALS=NONE
OFFSET=NONE

/TARGET_OPTIONS
DISTRIBUTION=MULTINOMIAL
LINK=LOGIT

/FIXED
EFFECTS=IMD_Quintile
Age_at_ref2 Gender2
Pathways_5 Cohort_Group
ref_recode2
USE_INTERCEPT=TRUE

/BUILD_OPTIONS
TARGET_CATEGORY_ORDER=D
ESCENDING
INPUTS_CATEGORY_ORDER=D
ESCENDING

MAX_ITERATIONS=100
CONFIDENCE_LEVEL=95
DF_METHOD=RESIDUAL
COVB=MODEL
PCONVERGE=0.000001(ABSOL
UTE)

SCORING=0
SINGULAR=0.000000000001
```

		/EMMEANS_OPTIONS SCALE=ORIGINAL PADJUST=LSD.
Resources	Processor Time	00:00:04.36
	Elapsed Time	00:00:03.59

### Warnings

glmm: One or more records are not used in the analysis because they have one or more fields with invalid or missing values.

### Case Processing Summary

	N	Percent
Included	23842	96.3%
Excluded	907	3.7%
Total	24749	100.0%

### Model Summary

Target		Date_of_first_consultation_recorded
Measurement Level		Nominal
Probability Distribution		Multinomial
Link Function		Generalized logit
Information Criterion	Akaike Corrected	16850.110
	Bayesian	16971.278

Information criteria are based on the -2 log likelihood (16820.090) and are used to compare models. Models with smaller information criterion values fit better.

## Classification

**Overall Percent Correct = 59.4%<sup>a</sup>**

		Predicted	
		yes	no
yes	Count	2211	7656
	% within Observed	22.4%	77.6%
no	Count	2015	11960
	% within Observed	14.4%	85.6%

a. Target: Date\_of\_first\_consultation\_recorded

**Fixed Effects<sup>a</sup>**

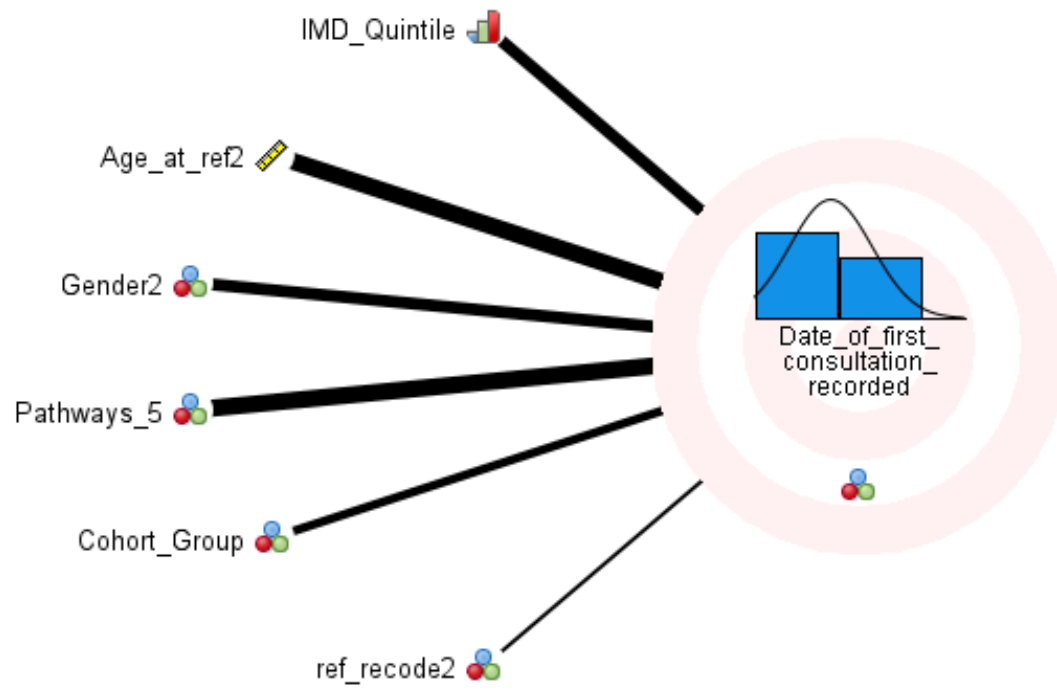
Source	F	df1	df2	Sig.
Corrected Model	53.405	14	23827	.000
IMD_Quintile	3.866	4	23827	.004
Age_at_ref2	378.970	1	23827	.000
Gender2	9.689	1	23827	.002
Pathways_5	13.656	4	23827	<.001
Cohort_Group	3.850	1	23827	.050
ref_recode2	1.278	3	23827	.280

Probability distribution: Multinomial

Link function: Generalized logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

## Fixed Effects



# Fixed Coefficients<sup>a</sup>

		Coefficient	Std. Error	t	Sig.	95% Confidence Interval		Exp(Coefficient)	95% Confidence Interval for Exp(Coefficient)	
Date_of_first_consultation_recorded	Model Term					Lower	Upper		Lower	Upper
yes	Intercept	-1.538	.0623	-24.685	.000	-1.660	-1.416	.215	.190	.243
	IMD_Quintile=5	.144	.0457	3.144	.002	.054	.233	1.154	1.056	1.263
	IMD_Quintile=4	.134	.0432	3.110	.002	.050	.219	1.144	1.051	1.245
	IMD_Quintile=3	.135	.0430	3.139	.002	.051	.219	1.145	1.052	1.245
	IMD_Quintile=2	.069	.0428	1.604	.109	-.015	.153	1.071	.985	1.165
	IMD_Quintile=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
	Age_at_ref2	.017	.0009	19.467	.000	.016	.019	1.018	1.016	1.019
	Gender2=2	.088	.0283	3.113	.002	.033	.144	1.092	1.033	1.155
	Gender2=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
	Pathways_5=6	-.071	.0407	-1.742	.081	-.151	.009	.932	.860	1.009
	Pathways_5=5	-.107	.0567	-1.890	.059	-.218	.004	.898	.804	1.004
	Pathways_5=3	.141	.0720	1.964	.050	.000	.282	1.152	1.000	1.326
	Pathways_5=2	.265	.0413	6.403	<.001	.184	.346	1.303	1.202	1.413
	Pathways_5=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.



	Cohort_Group=3.098	.0498	1.962	.050	9.739E-5	.195	1.103	1.000	1.216	
	Cohort_Group=10 <sup>b</sup>	.	.	.	.	.	.	.	.	
	ref_recode2=4	.049	.0427	1.157	.247	-.034	.133	1.051	.966	1.142
	ref_recode2=3	.076	.0443	1.708	.088	-.011	.162	1.079	.989	1.176
	ref_recode2=2	.046	.0346	1.321	.187	-.022	.114	1.047	.978	1.120
	ref_recode2=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.

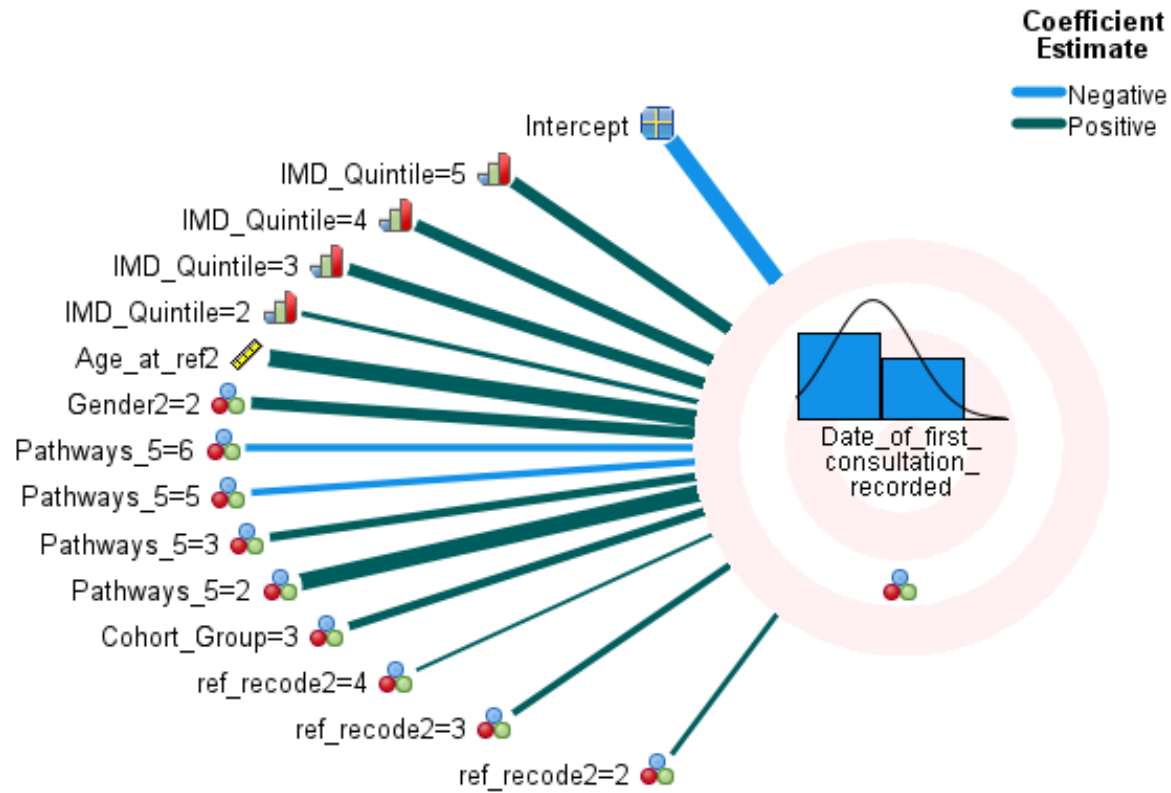
Probability distribution: Multinomial

Link function: Generalized logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

b. This coefficient is set to zero because it is redundant.

## Fixed Coefficients



**Covariance Parameters**

**Covariance Parameters Summary**

Covariance Parameters	Residual Effect	1
	Random Effects	0
Design Matrix Columns	Fixed Effects	20
	Random Effects	0 <sup>a</sup>
Common Subjects		1

Common subjects are based on the subject specifications for the residual and random effects and are used to chunk the data for better performance.

a. This is the number of columns per common subject.

**Residual Effect**

Residual Effect	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower	Upper
Variance	1.030	.000	.	.	1.030	1.030

Covariance Structure: Scaled Identity

Subject Specification: (None)

### Generalized Linear Mixed Models

#### Notes

Output Created		12-SEP-2023 14:27:55
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1
	Filter	Cohort_Group = 1   Cohort_Group = 3 (FILTER)
	Weight	<none>
	Split File	<none>

N of Rows in Working Data File	24749
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## Syntax

```
GENLINMIXED

  /DATA_STRUCTURE
SUBJECTS=Local_Authority

  /FIELDS
TARGET=Date_of_first_consulta
tion_recorded TRIALS=NONE
OFFSET=NONE

  /TARGET_OPTIONS
DISTRIBUTION=MULTINOMIAL
LINK=LOGIT

  /FIXED
EFFECTS=IMD_Quintile
Age_at_ref2 Gender2
Pathways_5 Cohort_Group
ref_recode2
USE_INTERCEPT=TRUE

  /RANDOM
USE_INTERCEPT=TRUE
SUBJECTS=Local_Authority
COVARIANCE_TYPE=VARIANC
E_COMPONENTS

  SOLUTION=FALSE

  /BUILD_OPTIONS
TARGET_CATEGORY_ORDER=D
ESCENDING
INPUTS_CATEGORY_ORDER=D
ESCENDING
```

		MAX_ITERATIONS=100 CONFIDENCE_LEVEL=95 DF_METHOD=RESIDUAL COVB=MODEL PCONVERGE=0.000001(ABSOLUTE)  SCORING=0 SINGULAR=0.000000000001  /EMMEANS_OPTIONS SCALE=ORIGINAL PADJUST=LSD.
Resources	Processor Time	00:00:11.33
	Elapsed Time	00:00:10.50

## Warnings

glmm: One or more records are not used in the analysis because they have one or more fields with invalid or missing values.

## Case Processing Summary

	N	Percent
Included	23842	96.3%

Excluded	907	3.7%
Total	24749	100.0%

### Model Summary

Target		Date_of_first_consultation_recoreded
Measurement Level		Nominal
Probability Distribution		Multinomial
Link Function		Generalized logit
Information Criterion	Akaike Corrected	103039.892
	Bayesian	103047.971

Information criteria are based on the -2 log likelihood (103037.892) and are used to compare models. Models with smaller information criterion values fit better.

### Data Structure<sup>a</sup>

Subjects	Target
	Date_of_first_consultation_recoreded
Local_Authority	



Data for First Subject	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
Total Number of Levels	22	

Only the first 10 records are displayed.<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

## Classification

**Overall Percent Correct = 61.6%**<sup>a</sup>

		Predicted	
		yes	no
Observed	yes	3211	6656
	Count		

no	% within Observed	32.5%	67.5%
	Count	2492	11483
	% within Observed	17.8%	82.2%

a. Target: Date\_of\_first\_consultation\_recorded

#### Fixed Effects<sup>a</sup>

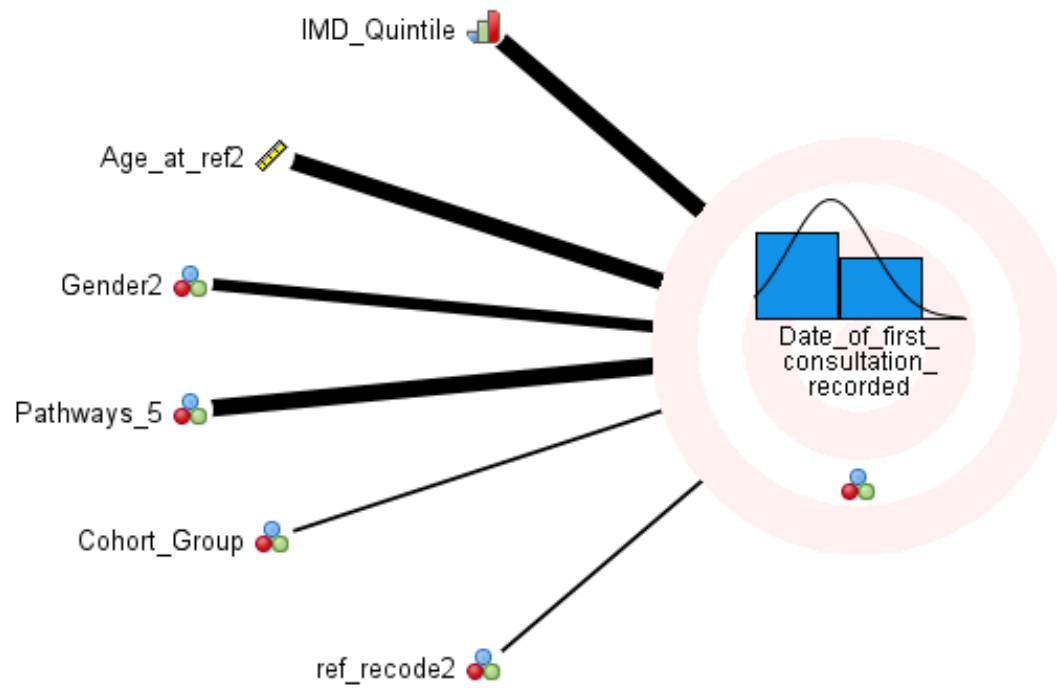
Source	F	df1	df2	Sig.
Corrected Model	59.498	14	23827	.000
IMD_Quintile	6.606	4	23827	<.001
Age_at_ref2	409.925	1	23827	.000
Gender2	10.415	1	23827	.001
Pathways_5	17.498	4	23827	<.001
Cohort_Group	.508	1	23827	.476
ref_recode2	.255	3	23827	.858

Probability distribution: Multinomial

Link function: Generalized logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

## Fixed Effects



# Fixed Coefficients<sup>a</sup>

		Coefficient	Std. Error	t	Sig.	95% Confidence Interval		Exp(Coefficient)	95% Confidence Interval for Exp(Coefficient)	
Date_of_first_consultation_recorded	Model Term					Lower	Upper		Lower	Upper
yes	Intercept	-1.559	.0987	-15.789	.000	-1.752	-1.365	.210	.173	.255
	IMD_Quintile=5	.224	.0472	4.749	<.001	.132	.317	1.251	1.141	1.372
	IMD_Quintile=4	.157	.0451	3.471	<.001	.068	.245	1.169	1.071	1.278
	IMD_Quintile=3	.149	.0448	3.340	<.001	.062	.237	1.161	1.064	1.268
	IMD_Quintile=2	.077	.0434	1.777	.076	-.008	.162	1.080	.992	1.176
	IMD_Quintile=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
	Age_at_ref2	.018	.0009	20.247	.000	.016	.020	1.018	1.017	1.020
	Gender2=2	.091	.0283	3.227	.001	.036	.147	1.096	1.036	1.158
	Gender2=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
	Pathways_5=6	-.200	.0417	-4.789	<.001	-.281	-.118	.819	.755	.889
	Pathways_5=5	-.199	.0572	-3.480	<.001	-.311	-.087	.820	.733	.917
	Pathways_5=3	.063	.0727	.872	.383	-.079	.206	1.065	.924	1.229
	Pathways_5=2	.222	.0415	5.341	<.001	.140	.303	1.248	1.151	1.354
	Pathways_5=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
	Cohort_Group=3	.036	.0504	.713	.476	-.063	.135	1.037	.939	1.144

	Cohort_Group=10 <sup>b</sup>	.	.	.	.	.	.	.	.
ref_recode2=4	.029	.0432	.682	.495	-.055	.114	1.030	.946	1.121
ref_recode2=3	.029	.0455	.640	.522	-.060	.118	1.030	.942	1.126
ref_recode2=2	.022	.0353	.633	.527	-.047	.092	1.023	.954	1.096
ref_recode2=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.

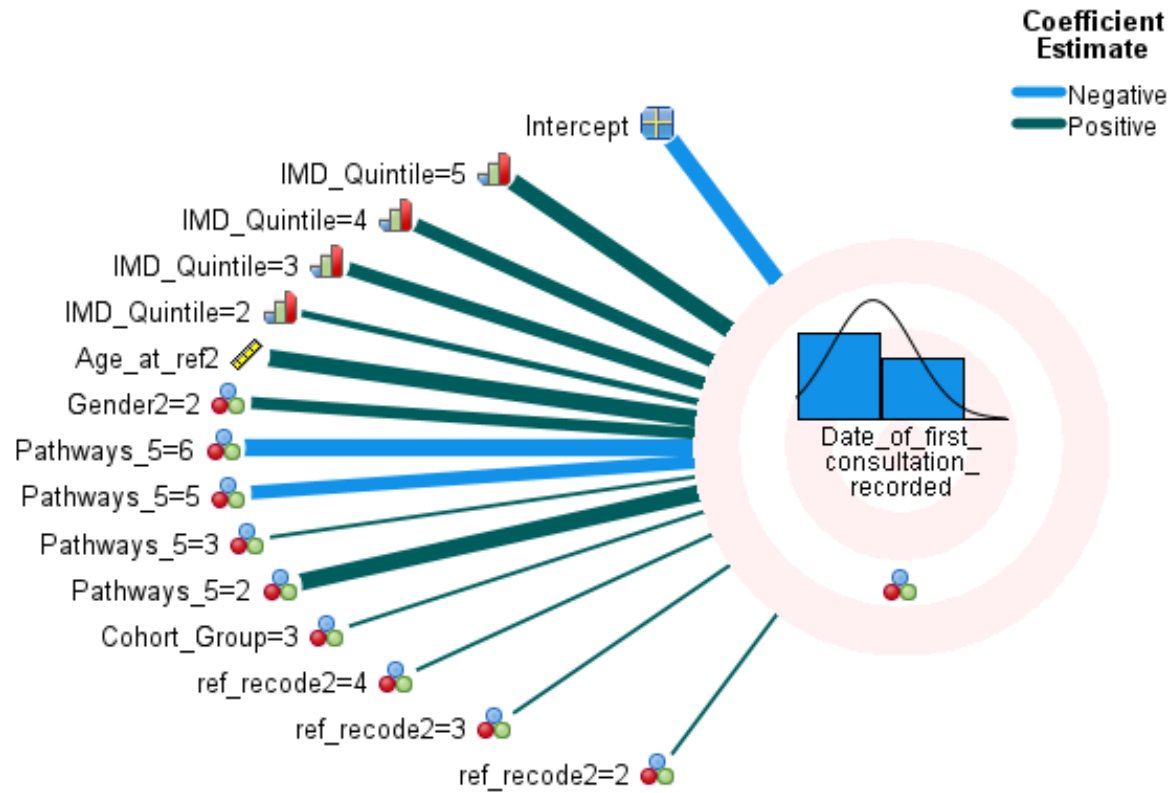
Probability distribution: Multinomial

Link function: Generalized logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

b. This coefficient is set to zero because it is redundant.

## Fixed Coefficients



Random Effect Covariances

Random Effect Block 1

Date_of_first_consultation_rec orded	Random Effect Block	Intercept
yes	Intercept	.126

Covariance Structure: Variance components

Subject Specification: Local\_Authority

Covariance Parameters

Covariance Parameters Summary

Covariance Parameters	Residual Effect	0
	Random Effects	1

Design Matrix Columns	Fixed Effects	20
	Random Effects	1 <sup>a</sup>
Common Subjects		22

Common subjects are based on the subject specifications for the residual and random effects and are used to chunk the data for better performance.

a. This is the number of columns per common subject.

### Residual Effect

Residual Effect	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower	Upper
Variance	1.000	.	.	.	.	.

Covariance Structure: Scaled Identity

Subject Specification: (None)

### Random Effect

Date_of_first_consultation_rec orded	Random Effect Covariance	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
						Lower	Upper
yes	Var(Intercept)	.126	.040	3.107	.002	.067	.236



Covariance Structure: Variance components

Subject Specification: Local\_Authority

## Generalized Linear Mixed Models

### Notes

Output Created		12-SEP-2023 14:28:05
Comments		
Input	Data	S:\Quant\data cleaning & analysis\V2\KN\V3\Analysis\FINAL Analysis 27.06.2022 - used in paper\NERS_NS.sav
	Active Dataset	DataSet1
	Filter	Cohort_Group = 1   Cohort_Group = 3 (FILTER)
	Weight	<none>
	Split File	<none>

N of Rows in Working Data File	24749
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## Syntax

```
GENLINMIXED

  /DATA_STRUCTURE
SUBJECTS=Local_Authority

  /FIELDS
TARGET=Date_of_first_consulta
tion_recorded TRIALS=NONE
OFFSET=NONE

  /TARGET_OPTIONS
DISTRIBUTION=BINOMIAL
LINK=LOGIT

  /FIXED
EFFECTS=IMD_Quintile
Age_at_ref2 Gender2
Pathways_5 Cohort_Group
ref_recode2
USE_INTERCEPT=TRUE

  /RANDOM
EFFECTS=IMD_Quintile
Age_at_ref2 Gender2
Pathways_5 Cohort_Group
ref_recode2
USE_INTERCEPT=TRUE

  SUBJECTS=Local_Authority
COVARIANCE_TYPE=VARIANC
E_COMPONENTS
SOLUTION=FALSE

  /BUILD_OPTIONS
TARGET_CATEGORY_ORDER=D
```

		ESCENDING INPUTS_CATEGORY_ORDER=D ESCENDING  MAX_ITERATIONS=100 CONFIDENCE_LEVEL=95 DF_METHOD=RESIDUAL COVB=MODEL PCONVERGE=0.000001(ABSOLUTE)  SCORING=0 SINGULAR=0.000000000001  /EMMEANS_OPTIONS SCALE=ORIGINAL PADJUST=LSD.
Resources	Processor Time	00:00:23.39
	Elapsed Time	00:00:20.50

## Warnings

glmm: One or more records are not used in the analysis because they have one or more fields with invalid or missing values.

glmm: Valid values for events (target) and trials variables are non-negative and positive integers respectively, and the number of trials cannot be less than the number of events.

**Case Processing Summary**

	N	Percent
Included	23842	96.3%
Excluded	907	3.7%
Total	24749	100.0%

**Model Summary**

Target		Date_of_first_consultation_recd
Probability Distribution		Binomial
Link Function		Logit
Information Criterion	Akaike Corrected	103588.004
	Bayesian	103644.549

Information criteria are based on the -2 log likelihood (103573.999) and are used to compare models. Models with smaller information criterion values fit better.

**Data Structure<sup>a</sup>**

	Subjects	Target
	Local_Authority	Date_of_first_consultation_recorded
Data for First Subject	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
	1.000	no
Total Number of Levels	22	

Only the first 10 records are displayed.<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

## Classification

**Overall Percent Correct = 63.4%<sup>a</sup>**

Observed		Predicted	
		yes	no
yes	Count	3639	6228
	% within Observed	36.9%	63.1%
no	Count	2510	11465
	% within Observed	18.0%	82.0%

a. Target: Date\_of\_first\_consultation\_recorded

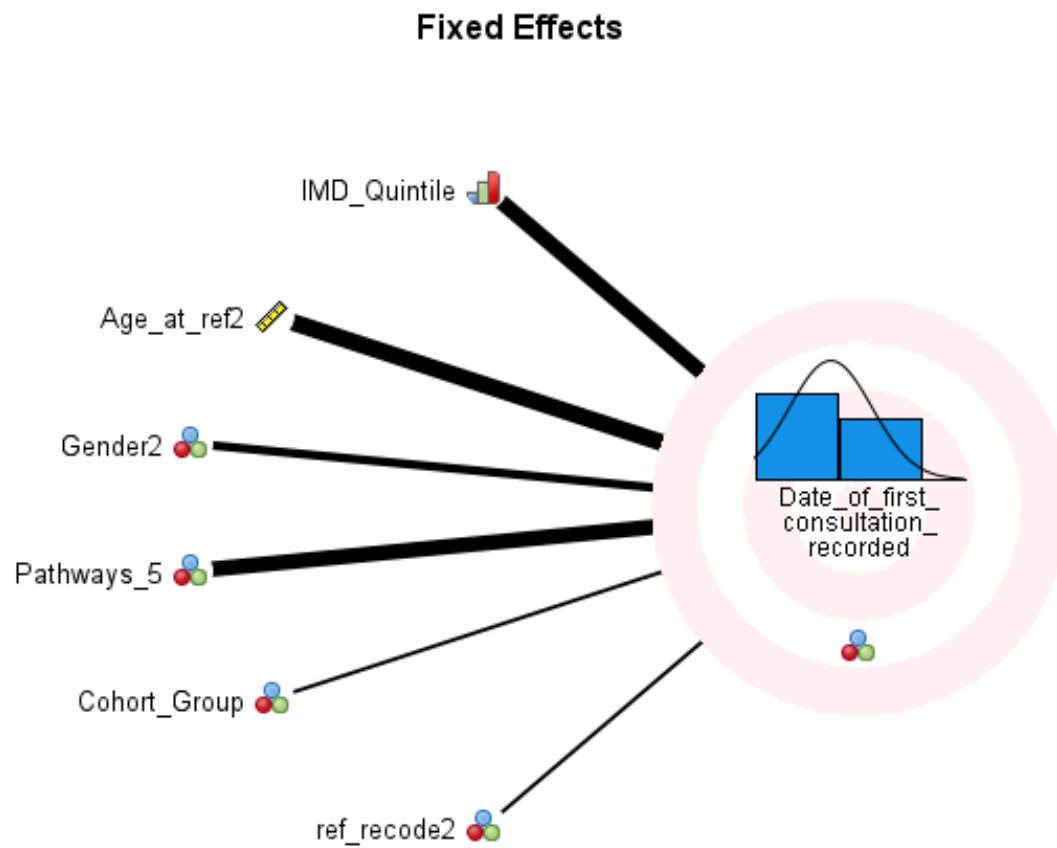
#### Fixed Effects<sup>a</sup>

Source	F	df1	df2	Sig.
Corrected Model	17.713	14	23827	.000
IMD_Quintile	5.548	4	23827	<.001
Age_at_ref2	167.403	1	23827	.000
Gender2	4.709	1	23827	.030
Pathways_5	5.147	4	23827	<.001
Cohort_Group	.094	1	23827	.759
ref_recode2	.412	3	23827	.744

Probability distribution: Binomial

Link function: Logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded





# Fixed Coefficients<sup>a</sup>

Model Term	Coefficient	Std. Error	t	Sig.	95% Confidence Interval		Exp(Coefficient)	95% Confidence Interval for Exp(Coefficient)	
					Lower	Upper		Lower	Upper
Intercept	-1.581	.1537	-10.287	.000	-1.882	-1.280	.206	.152	.278
IMD_Quintile=5	.222	.0507	4.391	<.001	.123	.322	1.249	1.131	1.380
IMD_Quintile=4	.154	.0482	3.202	.001	.060	.249	1.167	1.062	1.282
IMD_Quintile=3	.143	.0478	2.990	.003	.049	.236	1.153	1.050	1.267
IMD_Quintile=2	.079	.0465	1.708	.088	-.012	.171	1.083	.988	1.186
IMD_Quintile=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
Age_at_ref2	.019	.0014	12.938	.000	.016	.021	1.019	1.016	1.022
Gender2=2	.097	.0448	2.170	.030	.009	.185	1.102	1.009	1.203
Gender2=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
Pathways_5=6	-.189	.0933	-2.024	.043	-.372	-.006	.828	.690	.994
Pathways_5=5	-.168	.1038	-1.618	.106	-.372	.036	.845	.690	1.036
Pathways_5=3	.091	.1184	.771	.440	-.141	.323	1.096	.869	1.382
Pathways_5=2	.217	.0899	2.417	.016	.041	.394	1.243	1.042	1.482
Pathways_5=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.

Cohort_Group=3	-.048	.1573	-.307	.759	-.357	.260	.953	.700	1.297
Cohort_Group=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.
ref_recode2=4	.027	.0827	.329	.743	-.135	.189	1.028	.874	1.208
ref_recode2=3	.093	.0848	1.100	.271	-.073	.259	1.098	.930	1.296
ref_recode2=2	.030	.0782	.380	.704	-.124	.183	1.030	.884	1.201
ref_recode2=1	0 <sup>b</sup>	.	.	.	.	.	.	.	.

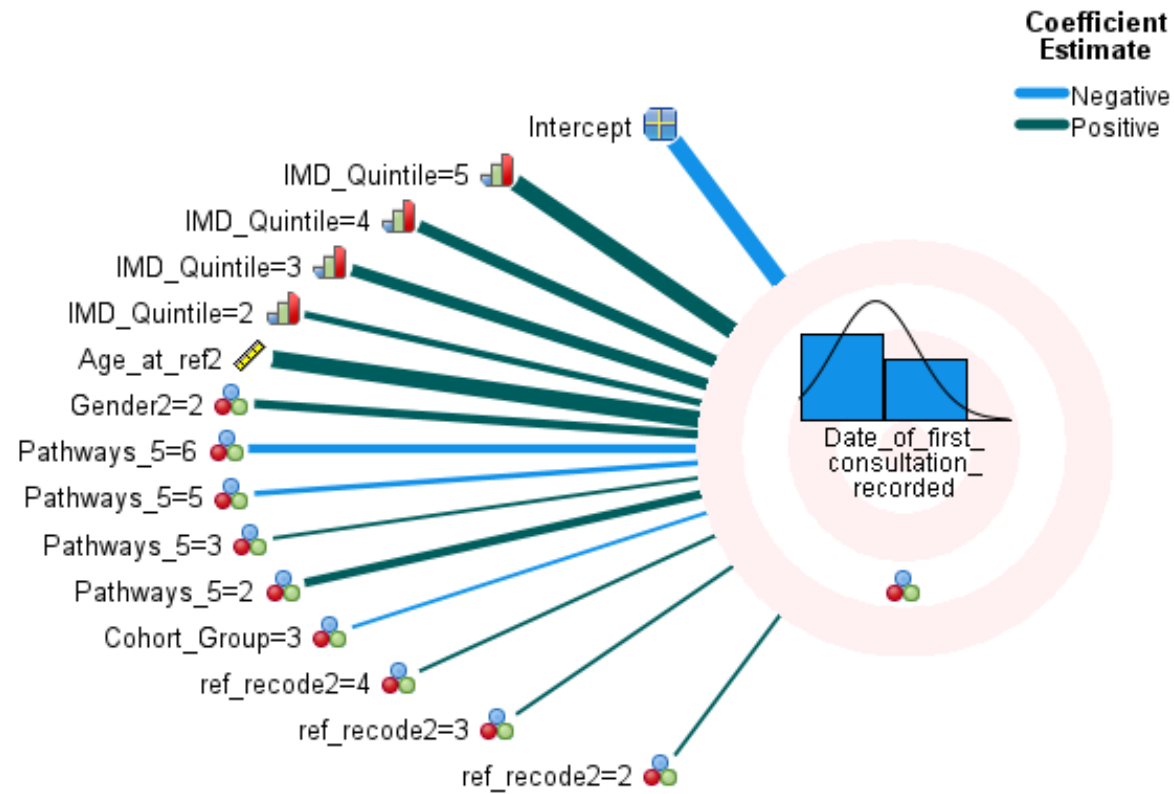
Probability distribution: Binomial

Link function: Logit<sup>a</sup>

a. Target: Date\_of\_first\_consultation\_recorded

b. This coefficient is set to zero because it is redundant.

## Fixed Coefficients



### Random Effect Covariances

[illegible]



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**Covariance Parameters**

**Covariance Parameters Summary**

Covariance Parameters	Residual Effect	0
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	Random Effects	7
Design Matrix Columns	Fixed Effects	20
	Random Effects	20 <sup>a</sup>
Common Subjects		22

Common subjects are based on the subject specifications for the residual and random effects and are used to chunk the data for better performance.

a. This is the number of columns per common subject.

#### Residual Effect

Residual Effect	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower	Upper
Variance	1.000	.	.	.	.	.

Covariance Structure: Scaled Identity

Subject Specification: (None)

#### Random Effect

Random Effect Covariance	Estimate	Std. Error	Z	Sig.	95% Confidence Interval	
					Lower	Upper

Var(Intercept)	.067	.091	.737	.461	.005	.956
Var(IMD_Quintile)	.002	.003	.568	.570	6.197E-5	.061
Var(Age_at_ref2)	2.599E-5	1.269E-5	2.048	.041	9.979E-6	6.769E-5
Var(Gender2)	.013	.007	1.878	.060	.004	.036
Var(Pathways_5)	.067	.018	3.716	<.001	.039	.113
Var(Cohort_Group)	.223	.085	2.617	.009	.106	.472
Var(ref_recode2)	.051	.013	3.837	<.001	.031	.085

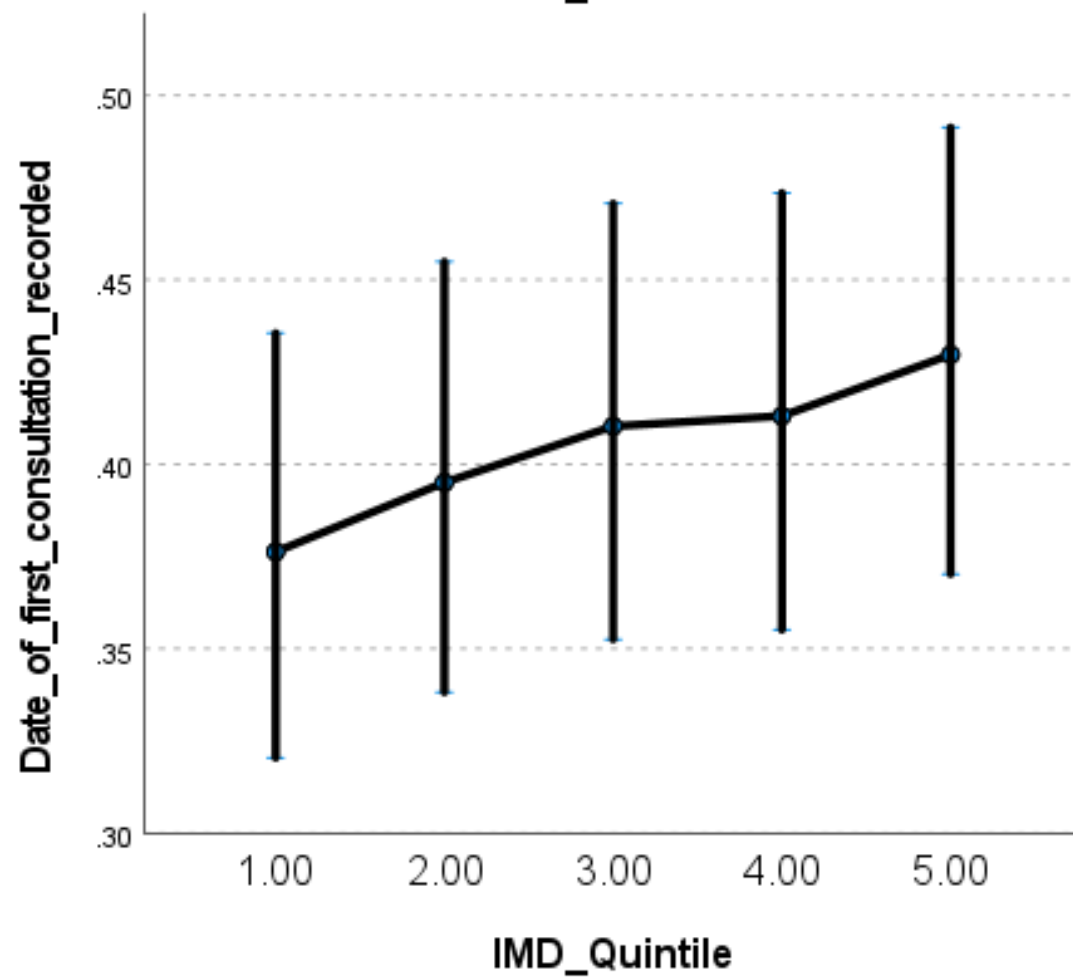
Covariance Structure: Variance components

Subject Specification: Local\_Authority

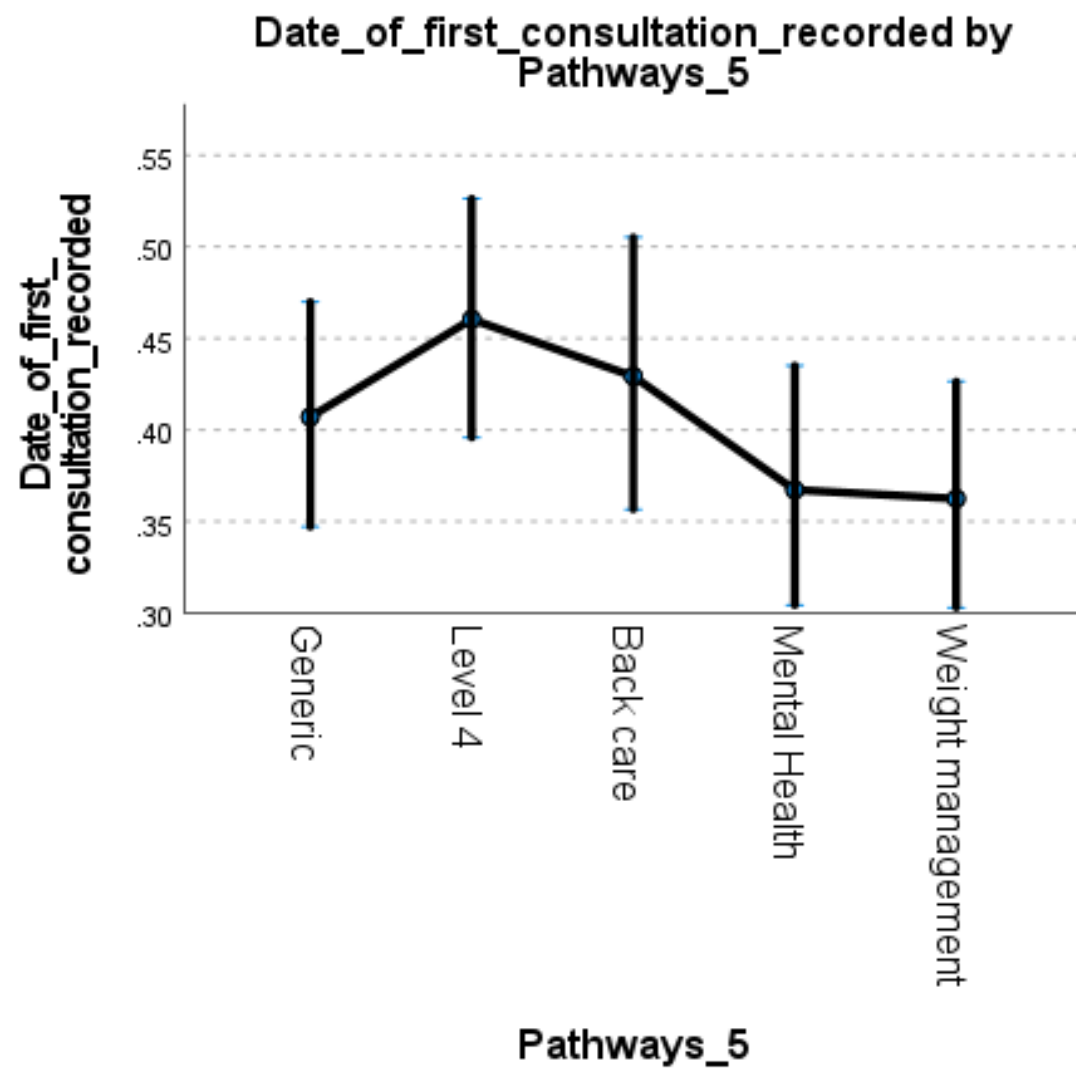
### Estimated Marginal Means for Top Significant Fixed Effects



Date\_of\_first\_consultation\_recorded by  
IMD\_Quintile









Date\_of\_first\_consultation\_recorded by Gender2

