Supplemental Table 4. The association between intermediate hyperglycemia and all-cause mortality, cardiovascular disease mortality, cardiovascular disease, stroke, heart disease, heart failure, and chronic kidney disease by region and presence of a pre-existing condition

Note it is in the set of the s		IFG-ADA No. of Studies	HR [95% CI]	P value	IFG-WHO No. of Studies	HR [95% CI]	P value	IGT No. of Studies	HR [95% CI]	P value	HbA1c-ADA No. of Studies	HR [95% CI]	P value	HbA1c-IEC No. of Studies	HR [95% CI]	P value
Linning   6   1.23   0.09   9   1.16   0.06   12   1.18   0.02   1   1.12   0.09     USA   8   1.08   6   1.16   5   1.14   5   0.20   1.20   0.04-163   0.04-153 <th0.04-153< th="">   0.04-153   <th0.04-153< th=""></th0.04-153<></th0.04-153<>																
USAV 8 1.04 (1.13-1.19) (1.14-1.23) (1.13-1.19) (1.13-1.19) (1.14-1.23) (1.13-1.19) (1.13-1.19) (1.14-1.23) (1.13-1.19) (1.13-1.19) (1.14-1.23) (1.15,1.19) </td <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td>					_						_					
USA81.0861.1651.1451.2011.251.2011.55Asia71.2141.1271.2640.9911.081.08Asiatalia21078-136111033-28111117-1371	Europe	6		0.49	9		0.66	12		0.05	5		0.22	1		0.02
Canada11.02-1.01 (1.01-1.45)11.05-1.28 (1.01-1.45)10.05-1.49 (1.01-1.24)10.05-1.49 (0.92-1.07)10.01-1.24 (0.92-1.24)10.01-1.24 (0.92-1.24)10.01-1.24 (0.92-1.24)10.01-1.24 (0.92-1.24)10.01-1.24 (0.92-1.24)10.01-1.24 (0.92-1.24)10.01-1.24 	LICA/	o			6			5			5			1		
Avia 7 1.21 4 1.12 7 1.36 4 0.99 1 1.08   Australia 2 1.02 1 1.60 1 1.71 71 1.36 4 0.99 1.7 1.08   Middle East 3 0.05 3 1.04 3 1.30 -		0			0			5			5			1		
Image: second secon		7			4			7			4			1		
Astralia 2 1.02 1 1.60 1 1.05 - 1.01 - 1.01 - 1.01 - 1.01 - 1.01 - 1.01 -	7 1510	/			т			,			-			1		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Australia	2			1			1			-	-		-		
Africa $0$ $0$ $0$ $0$ $0$ $0$ $0$ $0$ $1.10 - 1.51$ $(1.11 - 1.53)$ $0$ <																
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Middle East	3	1.06		3	1.04		3	1.30		-	-		-	-	
South of the second s			[0.92-1.23]			[0.67-1.61]			[1.10- 1.54]							
Solth America Pre-existing Carlow Scalar Pre-existing Carlow Scalar (1.01-114)111111111Pre-existing Carlow Scalar (1.01-114)1.070.08211.160.01211.190.03211.060.0111.060.0111.000.0111.000.0111.000.0111.000.0111.001.0011.001.0011.001.0011.0011.0011.0011.0011.0011.0011.00111.00111.00111.00111.00111.0011.0011.0011.0011.0011.00111.00111.00111.00111.00111.00111.00111.00111.00111.00111.00111.00111.0011 <td>Africa</td> <td>-</td> <td>-</td> <td></td> <td>2</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td>	Africa	-	-		2			2			-	-		-	-	
America     Decessing Cardiosaccure   UNIC 1.14   1.00   0.01   1.10   0.01   1.10   0.01   1.00   0.01   1.00   0.01   1.00   0.01   1.00   NA     Colspan="6">IDE INTER INTE																
Pre-existing Cardio-scale conditional problem in the		-	-		-	-		-	-		-	-		-	-	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			<b>C P</b> <i>t</i>													
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	0			0.03	24	1 14	0.01	20	1 10	0.20	11	1.04	0.01	2	1.20	N A
Yes 5 1.45 1 1.39 2 1.70 3 1.0741 0 NA   CU 1.11-188 1.29 0.01 8 1.21-159 0.086-337 10.05-122 0.01 * NA   Region E E E   Burope 6 1.29 0.01 8 1.19 0.45 12 1.25 0.53 3 1.05 <001 - NA   USA 8 0.99 5 1.20 4 1.10 2 2.03 1 1.07 (0.61-187)   CSA 8 0.99 5 1.20 4 1.26 2 0.08 - - - NA   CSA 8 0.99 1.24 3 1.20 4 1.26 2 0.08 -	INO	21		0.05	24		0.01	28		0.50	11		0.91	3		NA
	Ves	5			1			2			3			0		
CVD Mortality   Region Region 1.29 0.01 8 1.19 0.45 12 1.25 0.53 3 1.05 <0.01 - - NA   USA/ 8 0.99 5 1.20 4 1.10 2 2.03 1 1.07 0.61-1.87   Canada (0.89-1.11) 3 1.24 4 1.26 2 0.88 - - NA   Asia 9 1.24 3 1.24 4 1.26 2 0.88 - - - NA   Middle East 1 0.62 1 1.29 1 0.65 21 0.68-2.13 - - - - NA   Middle East 1 0.62 1 1.29 1 0.62 -	103	5			1			2			5			0	11/1	
	CVD Mortali	itv	[			[1.21 1.05]			[0:00 0:07]			[0000 1000]				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		2														
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Europe	6	1.29	0.01	8	1.19	0.45	12	1.25	0.53	3	1.05	<0.01	-	-	NA
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		8			5			4			2			1		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Canada		[0.89-1.11]			[1.00-1.43]			[0.89-1.36]			[1.41-2.92]			[0.61-1.87]	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	A = : -	0	1.04		2	1.24		4	1.20		2	0.99				
Australia 1 2.50 1 1.20 -	Asia	9			3			4			2			-	-	
Middle East10.62 $[0.28-1.36]$ 11.29 $1.29$ 10.62 $0.62$ Africa20.98 $0.54-1.78$ 21.27 $1.02-1.58$ South America20.98 $0.54+1.78$ 21.27 $1.02-1.58$ South America	Australia		[1.05-1.50]		1			1				[0.05-1.25]				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Australia				1			1			-	-		-	-	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Middle East	1	0.62		1			1			-	-		-	-	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $																
South America </td <td>Africa</td> <td>-</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td></td>	Africa	-			2			2			-	-		-	-	
America   Pre-existing Cardience in condition   No 18 1.06 0.04 19 1.20 0.58 22 1.183 0.05 6 1.23 0.42 1 1.07 NA   10.97-1.16] [1.09-1.37] [1.09-1.29] [1.09-1.29] [0.89-1.71] [0.61-1.87] [0.61-1.87]   Yes 1.40 1 1.29 2 2.20 1 0.95 - -   Yes 1.40 1 1.29 2 2.20 1 0.95 - -   Yes 1.09-1.80] [1.01-1.64] [1.18-4.12] [0.55-1.65] - - -   Europe 7 1.22 0.28 3 1.11 0.21 8 1.23 0.53 9 1.12 0.20 4 1.16 <001						[0.54-1.78]			[1.02-1.58]							
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		-	-		-	-		-	-		-	-		-	-	
No181.06 <b>0.04</b> 191.200.58221.1830.0561.230.4211.07NA $[0.97-1.16]$ $[1.08-1.33]$ $[1.08-1.33]$ $[1.09-1.29]$ $[0.89-1.71]$ $[0.89-1.71]$ $[0.61-1.87]$ Yes6 $1.40$ 1 $1.29$ 2 $2.20$ 1 $0.95$ $[1.09-1.80]$ $[1.01-1.64]$ $[1.18-4.12]$ $[0.55-1.65]$ CVD EventsEurope7 $1.22$ $0.28$ 3 $1.11$ $0.21$ 8 $1.23$ $0.53$ 9 $1.12$ $0.20$ 4 $1.16$ $<0.01$ $[0.96-1.56]$ $[0.93-1.34]$ $[1.06-1.43]$ $[1.03-1.23]$ $[1.01-1.34]$ $[1.01-1.34]$ USA/9 $1.16$ 2 $1.21$ 3 $1.14$ 4 $1.38$ 1 $1.91$ Canada $[1.01-1.33]$ $[1.07-1.37]$ $[1.02-1.28]$ $[1.07-1.79]$ $[1.65-2.21]$		~ * -	a													
Yes $6$ $\begin{bmatrix} 0.97-1.6 \\ 1.40 \\ 1.09 \end{bmatrix}$ $\begin{bmatrix} 1.08-1.33 \\ 1.29 \\ 1.09-1.80 \end{bmatrix}$ $\begin{bmatrix} 1.09-1.29 \\ 2.20 \\ 1.18-4.12 \end{bmatrix}$ $\begin{bmatrix} 0.89-1.71 \\ 0.95 \\ 0.55-1.65 \end{bmatrix}$ $\begin{bmatrix} 0.61-1.87 \\ - & - & - & - & - & - & - & - & - & -$				0.04	10	1.20	0.50	22	1 102	0.05	6	1.02	0.42	1	1.07	NTA
Yes61.4011.2922.2010.95 $[1.09-1.80]$ $[1.01-1.64]$ $[1.18-4.12]$ $[0.55-1.65]$ $[0.55-1.65]$ CVD EventsRegionEurope7 $1.22$ $0.28$ 3 $1.11$ $0.21$ 8 $1.23$ $0.53$ 9 $1.12$ $0.20$ 4 $1.16$ $<0.01$ $[0.96-1.56]$ $[0.93-1.34]$ $[1.06-1.43]$ $[1.03-1.23]$ $[1.01-1.34]$ USA/9 $1.16$ 2 $1.21$ 3 $1.14$ 4 $1.38$ 1 $1.91$ Canada $[1.01-1.33]$ $[1.07-1.37]$ $[1.02-1.28]$ $[1.07-1.79]$ $[1.65-2.21]$	NO	18		0.04	19		0.58	22		0.05	0		0.42	1		NA
[1.09-1.80] [1.01-1.64] [1.18-4.12] [0.55-1.65]   CVD Events   Region [1.01-1.34] [1.11 0.21 8 1.23 0.53 9 1.12 0.20 4 1.16 <0.01   Europe 7 1.22 0.28 3 1.11 0.21 8 [1.06-1.43] [1.03-1.23] [1.01-1.34]   USA/ 9 1.16 2 1.21 3 1.14 4 1.38 1 1.91   Canada [1.01-1.33] [1.07-1.37] [1.02-1.28] [1.07-1.79] [1.05-2.21]	Vac	6	L		1			2			1				[0.01-1.87]	
CVD Events     Region     Europe   7   1.22   0.28   3   1.11   0.21   8   1.23   0.53   9   1.12   0.20   4   1.16   <0.01	103	0			1			2			1			-	-	
Region Europe71.220.2831.110.2181.230.5391.120.2041.16 $<$ 0.01 $[0.96-1.56]$ $[0.93-1.34]$ $[1.06-1.43]$ $[1.03-1.23]$ $[1.01-1.34]$ USA/91.1621.2131.1441.3811.91Canada $[1.01-1.33]$ $[1.07-1.37]$ $[1.02-1.28]$ $[1.07-1.79]$ $[1.65-2.21]$	CVD Events		[1.09 1.00]			[1.01 1.04]			[1.10 4.12]			[0.55 1.05]				
Europe71.220.2831.110.2181.230.5391.120.2041.16 $<$ 0.01 $[0.96-1.56]$ $[0.93-1.34]$ $[1.06-1.43]$ $[1.03-1.23]$ $[1.01-1.34]$ USA/91.1621.2131.1441.3811.91Canada $[1.01-1.33]$ $[1.07-1.37]$ $[1.02-1.28]$ $[1.07-1.79]$ $[1.65-2.21]$																
[0.96-1.56][0.93-1.34][1.06-1.43][1.03-1.23][1.01-1.34]USA/91.1621.2131.1441.3811.91Canada[1.01-1.33][1.07-1.37][1.02-1.28][1.07-1.79][1.65-2.21]		7	1.22	0.28	3	1.11	0.21	8	1.23	0.53	9	1.12	0.20	4	1.16	<0.01
Canada [1.01-1.33] [1.07-1.37] [1.02-1.28] [1.07-1.79] [1.65-2.21]	-															
		9			2			3			4			1		
Asia 7 1.07 3 1.60 6 1.17 3 1.04	Canada		[1.01-1.33]			[1.07-1.37]			[1.02-1.28]			[1.07-1.79]			[1.65-2.21]	
	Asia	7	1.07		3	1.60		6	1.17		3	1.04				

		[0.94-1.22]			[1.12-2.27]			[1.07- 1.27]			[0.89- 1.21]				
Australia	-	-		-	-		-	-		-	-		-	-	
Middle East	2	1.46 [1.05-2.05]					2	1.46 [1.05-2.05]							
Africa	1	1.77 [0.92-3.40]						[]							
South	-	[0.92-3.40]		-	-		-	-		-	-		-	-	
America															
Pre-existing Ca			0.62	-	1.00	0.05	1.5	1.17	0.01	10		0.77	-	1.00	27.1
No	18	1.14	0.63	7	1.20	0.25	15	1.17	0.21	12	1.14	0.77	5	1.32	NA
. 7	0	[1.04-1.26]			[1.08-1.32]			[1.09-1.24]			[1.00-1.31]			[1.00-1.73]	
Yes	8	1.22		1	1.86		4	1.33		4	1.18		-	-	
Stroke Events		[0.96-1.54]			[0.88-3.95]			[1.10-1.62]			[0.96-1.45]				
Region															
Europe	3	1.29	0.22	4	1.21	0.93	5	1.29	0.71	2	1.22	0.18	2	1.28	NA
Jurope	5	[0.99-1.69]	0.22	+	[1.05-1.40]	0.95	5	[1.07-1.56]	0.71	2	[0.72-2.08]	0.18	2	[0.72-2.27]	INA
USA/	7	0.94		1	1.13		1	1.17		3	1.39			[0.72 - 2.27]	
Canada	/			1			1	[0.76- 1.81]		3	[1.15-1.66]				
	4	[0.80-1.11]		2	[0.86-1.49]		4			1					
Asia	4	1.10		2	0.99		4	1.26		1	1.22				
Australia		[0.90-1.36]			[0.22-4.34]			[0.80-1.98]			[0.72; 2.08]				
Australia Middle East	3	1.29		2	1.47		3	0.91							
viiddle East	3	[0.86-1.93]		2	[0.59-3.63]		3	[0.51-1.62]							
Africa	1	1.49													
South		[0.59-3.75]													
America		lan Candidian													
P <b>re-existing Ca</b> No	15	1.06	0.87	9	1.22	NA	13	1.24	NA	6	1.23	NA	2	1.28	NA
NU	15	[0.95-1.19]	0.87	9	[1.07- 1.40]	INA	15	[1.06-1.45]	INA	0	[1.04-1.46]	INA	2	[0.72-2.27]	INA
Yes	3	1.03			[1.07- 1.40]			1			[1.04-1.40]			[0.72-2.27]	
105	5	[0.71- 1.49]		-			-	1		-	-		-	-	
Heart Disease E	vonte	[0.71=1.49]													
Region	vents														
Europe	1	1.12	0.86	6	1.19	0.16	5	1.12	0.18	2	1.12	0.05	2	1.33	NA
Burope		[0.80-1.57]	0.00	Ū	[1.03-1.21]	0.10	5	[1.03-1.22]	0.10	2	[0.95-1.33]	0.02	2	[0.74-2.38]	1421
USA/	6	1.10		1	1.45		2	0.96		3	1.47			-	
Canada	0	[0.99-1.21]		1	[1.15-1.83]		2	[0.79-1.17]		5	[1.27-1.70]				
cunica		[0.55 1.21]			[1.15 1.05]			[0.79 1.17]			[1.27 1.70]				
Asia	7	1.19		3	0.97		6	1.32		1	1.24		-	-	
biu	,	[1.00-1.41]		5	[0.62-1.52]		0	[1.07-1.63]		1	[0.97-1.60]				
Australia	-	-		-	-		_	-		_	-		-	-	
Middle East	3	1.02		3	1.0500		3	1.2346		-	-		-	-	
induite Base	2	[0.72-1.46]		5	[0.8048;		5	[0.8307;							
		[0172 1110]			1.3699]			1.8349]							
		0.07													
Africa	1	0.96		-	-		-	-		-	-		-	-	
~ .		[0.62-1.48]													
South	-	-		-	-		-	-		-	-		-	-	
America	-														
Pre-existing Ca			0.6.1	12					0.07		1.00			1.00	
No	16	1.11	0.94	13	1.14	NA	15	1.13	0.85	6	1.28	NA	2	1.33	NA
		[1.01-1.21]			[1.06-1.22]			[1.06-1.21]			[1.13-1.46]			[0.74-2.38]	
Yes	2	1.10		-	-		1	1.19		-	-		-	-	
		[0.92-1.30]						[0.69- 2.06]							
Heart Failure E	vents														

Region															
Europe	1	1.13	0.25	-	-	NA	-	-	NA	-	-	NA	-	-	NA
110.11		[0.82-1.54]								2					
USA/	4	0.92		-	-		1	5.04		3	1.13		-	-	
Canada		[0.81-1.05]						[1.00-25.40]			[0.87-1.45]				
Asia	-	-		-	-		-	-		-	-		-	-	
Australia	-	-		-	-		-	-		-	-		-	-	
Middle East	-	-		-	-		-	-		-	-		-	-	
Africa	-	-		-	-		-	-		-	-		-	-	
South	-	-		-	-		-	-		-	-		-	-	
America															
Pre-existing Ca	rdiovascu	lar Conditions													
No	4	0.92	0.25	-	-	NA	1	5.04	NA	3	1.13	NA	-	-	NA
		[0.81-1.05]						[1.00-25.40]		-	[0.87-1.45]				
Yes	1	1.13		-	-		_	-		-	-		-	-	
100		[0.82-1.55]													
CKD Events		[0.02 1.00]													
Region			0.82			0.04			0.26			0.53			NA
Europe	_	_	0.02	_	_	0.04	_	-	0.20	_	_	0.55	_	_	1 1 1
USA/	3	1.09		1	1.28		2	1.14		2	1.28		1	1.50	
Canada	5	[1.00-1.19]		1	[1.14-1.43]		2	[1.02-1.28]		2	[1.02-1.60]		1	[1.32-1.70]	
Asia		[1.00-1.19]		3	1.07		2	1.40		1	1.39			[1.32-1.70]	
Asia	-	-		3			2			1			-	-	
					[0.83-1.38]			[0.93-2.11]			[1.21-1.60]				
Australia	-	-		-	-		-	-		-	-		-	-	
Middle East	2	1.12		2	0.91		2	0.94		-	-		-	-	
		[0.89-1.41]			[0.71-1.17]			[0.71-1.25]							
Africa	-	-		-	-		-	-		-	-		-	-	
South	-	-		-	-		-	-		-	-		-	-	
America															