

**دراسة بعض العوامل المؤثرة في حدوث
مرض داء السكري في محافظة البصرة - دراسة
إحصائية**

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Abstract

Diabetes is a chronic disease that continues with the individual over his life, which affects not only a member or part of the body but affects and negatively affect all members of the body beginning of the skin and the bone ends. Through all the tissues and organs of the heart and blood vessels. It also affects the patient or his family economically.

The diabetes and its complications a big problem from the health, social and economic worthwhile is increasingly widespread day after day, and its relationship to the progress of civilization are positively correlated Unlike many of the diseases that scientific progress was able to reduce them, but on some of them are totally eliminated.

Has been taking the sample from the center of Endocrinology, Diabetes Hospital in Port-General in Basra for people living with disease, diabetes in 2012 and reached the sample (123) patients were relying in this sample some of the factors that affect directly or indirectly in the incidence of diabetes and this factors are (the patient's age, sex of the patient, the patient's weight and length to extract the body mass index, marital status of the disease as well as the percentage of sugar in the blood of the patient, measured for three consecutive months).

And that the lack of statistical studies on this disease and severity of the most important reasons that encouraged the study of statistical study.

The results reflected a clear impact of obesity in diabetes disease and thus may have confirmed the statistical side of the medical opinion.

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(123)

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SPSS

ANOVA

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(Diabetes Mellitus)

:(Diabetes Mellitus)

:(1)

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/ , - ,	/ -	(-)
/ ,	/	18

www.dababolabs.com/lab-tests/name/S/57/FastBloodSuger- :(19)

(20)

/ 1 = 18 × / **



(6 ; p:2)
(Diabetes Mellitus)

(7; p:28)

(2; p:6)

(12)

(13)

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(13) :

:Type 1 Diabetes Mellitus
(IDDM)

(13 -11)

10 % (7; p:31)

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(2; pp:16,17).

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: Type 2 Diabetes Mellitus

(14)

. (15)

1000

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% 90

.(16)

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(14)

25

(8; p:19).

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%70

(4; p:27).

: Gestational Diabetes Mellitus.

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%5-2

(17) .

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(13) .

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Cushing's Syndrome , -
Hyperthyroidism -
(Acromegaly .)

Thyroid Hormone -
Steroids Nicotinic Acid -

Congenital Rubella Cytomegalo Virus -
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(3; p:11) .
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3000

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(Diabetes Mellitus)

1936

.(5; p:24) 1955



(10) .

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180

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.(10)

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(9; p:84).

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.(2; p:4) 2030

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Spss

(123)

.ANOVA

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: (X_i)

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$$X_i = \begin{cases} 1 \\ 0 \end{cases} \quad i = 1, 2$$

k=1, . . . , 5 :

(X_k)

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- :
- 1 = (14 - 0) :
- 2 = (29 - 15) :
- = (44 - 30) :
- 4 = (59 - 45) :
- 5 = 60 :

:BMI () X_j (

$$BMI = \frac{mass(kg)}{(height(m))^2} \dots \quad (1) \quad (1: p:6)$$

(2)

(2)

	20
	24.9 - 20
	29.9 - 25
	30

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((1))

- = 20 :
- = 24.9 - 20 :
- 3 = 29.9 - 25 :
- = 30 :

(3)

	No cases .of	Percentage	Mean	S.d
: Classes of age X_1			3.6748	.8731
=1	2	1.6		
=2	6	4.9		
=3	43	35.0		
=4	51	41.5		
=	21	17.1		
Total	123	100.0		
: X_2			.3008	.4605
: 1	37	30.1		
:0	86	69.9		
Total	123	100.0		
: X_3			3.2276	.9216
=1	6	4.9		
=2	23	18.7		
=3	31	25.2		
=4	63	51.2		
Total	123	100.0		
: X_4			.9431	.2326
: 1	116	94.3		
:0	7	5.7		
Total	123	100.0		

SPSS

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(45-59)

(69.9)

(51.2) ()

.(94.3)

59 -)

(X₁)

(45

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.(X₃)

(.3008)

(x₂)

(3)

(3)

(0.8731)

جدول (4)
المؤشرات الإحصائية للمتغير المعتمد

	No .of cases	Percentage	Mean	S.d
(Y)			8.7919	1.6937
6.20	1	.8		
6.30	1	.8		
6.40	1	.8		
6.50	1	.8		
6.60	1	.8		
6.70	2	1.6		
6.80	2	1.6		
7.00	3	2.4		
7.20	4	3.3		
7.30	3	2.4		
7.40	5	4.1		
7.50	4	3.3		
7.60	7	5.7		
7.70	3	2.4		
7.80	5	4.1		
7.90	1	.8		
8.00	5	4.1		
8.10	1	.8		
8.20	4	3.3		
8.30	6	4.9		

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8.40	3	2.4		
8.50	2	1.6		
8.60	5	4.1		
8.80	1	.8		

SPSS :

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(5)

Levene

F	df1	df2	Sig.
1.877	29	93	0.12

SPSS :

(Levene) (5)

ANOVA

(0.05)

(p=0.12)

(6)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	129.170	29	4.454	1.876	.013
Intercept	1991.723	1	1991.723	838.898	.000
X1	22.086	4	5.522	2.326	.062
X2	.746	1	.746	.314	.576
X3	25.746	3	8.582	3.615	.016
X4	9.126	1	9.126	3.844	.035
X1 * X2	2.535	2	1.267	.534	.588
X1 * X3	19.215	6	3.203	1.349	.244
X2 * X3	4.721	3	1.574	.663	.577
X1 * X4	10.183	1	10.183	4.289	.041
X1 * X2 * X3	35.327	4	8.832	3.720	.007
Error	220.802	93	2.374		
Total	9857.500	123			
Corrected Total	349.972	122			

SPSS :

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	(ANOVA)		(6)
	(2.326)	()	F
		(0.05)	(p=.062)
F		(.314) ()	
		(0.05)	(p=.576)
F		(3.615) ()	
		(0.05)	(p=.016)
F		(3.844) ()	
(p=.035)		(0.05)	
(4.289)	F	()	
		(0.05)	(.041)
(p=.007)		()	
		(.)	



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(X₃)

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(X₄)

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