

Mammography: A Jordanian Woman Want or Need?

Jordanian Women Willingness to Pay for Mammography

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Led By:



Demographic Characteristics

- A cross-sectional study with 941 Respondents.
- Respondents' median age: 49
- The below tables demonstrate respondents' demographic features:

Governorate	
Name	% (N)
Amman	40.8% (384)
Irbid	15% (141)
Balqa'a	4.1% (39)
Zarqa'a	12.6% (119)
Al Tafila	3.3% (31)
Al Aqaba	3.3% (31)

Governorate	
Name	% (N)
Al Karak	3.4% (32)
Al Mafrq	3.7% (35)
Jerash	3.4% (32)
Ajloun	3.3% (31)
Madaba	3.6% (34)
Ma'an	3.4% (32)

Demographic Characteristics

Educational Level	
Educational Level	% (N)
No Education	6% (56)
Elementary	9.2% (87)
Preparatory	16% (151)
High School	35.1% (330)
Diploma	19.2% (181)
Bachelor's	12.3% (116)
Master's	1.8 % (17)
PHD	0.3% (3)

Area	
Area	% (N)
Urban	87.1% (820)
Rural	12.9% (121)

Marital Status	
Marital Status	% (N)
Single	7% (66)
Married	76.8% (723)
Other (Widowed, divorced...)	16.2% (152)

Demographic Characteristics

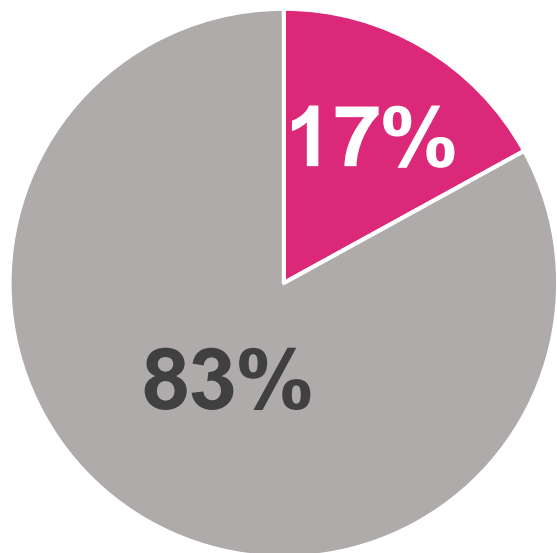
Family Income	
Monthly Income	% (N)
No income	1 % (9)
Less than 300 JDs	28.8% (271)
300-500 JDs	39% (367)
501-700 JDs	13.9% (131)
701-1000 JDs	9.6% (90)
1001-1500 JDs	4.1% (39)
1501-2000 JDs	1.9% (18)
2001-2500 JDs	0.5% (5)
2501-3000 JDs	0.3% (3)
More than 3000 JDs	0.2% (2)

Respondents' Role in Family	
Role	% (N)
Head of Family	21.5% (202)
Not the head of the family	78.5% (739)

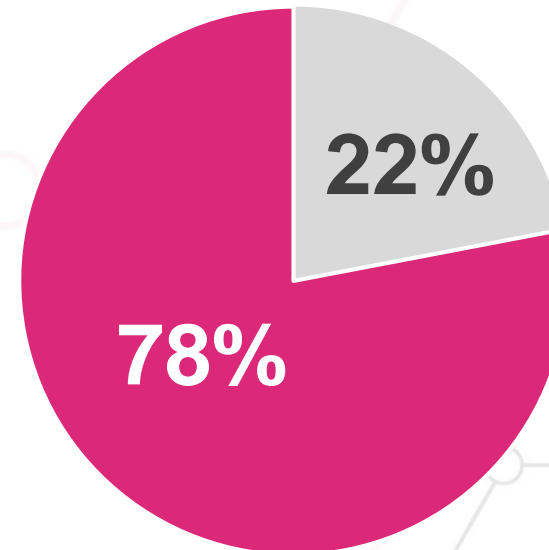
Health Insurance	
Insurance Status	% (N)
Insured	75.6% (711)
Not Insured	24.4% (230)

Respondents' Income	
Income Status	% (N)
Has her own income	36.9% (347)
Does not have her own income	62.7% (590)

Health Behavior



- Visits HCPs regularly/Without complaint
- Only visits HCPs with complaints



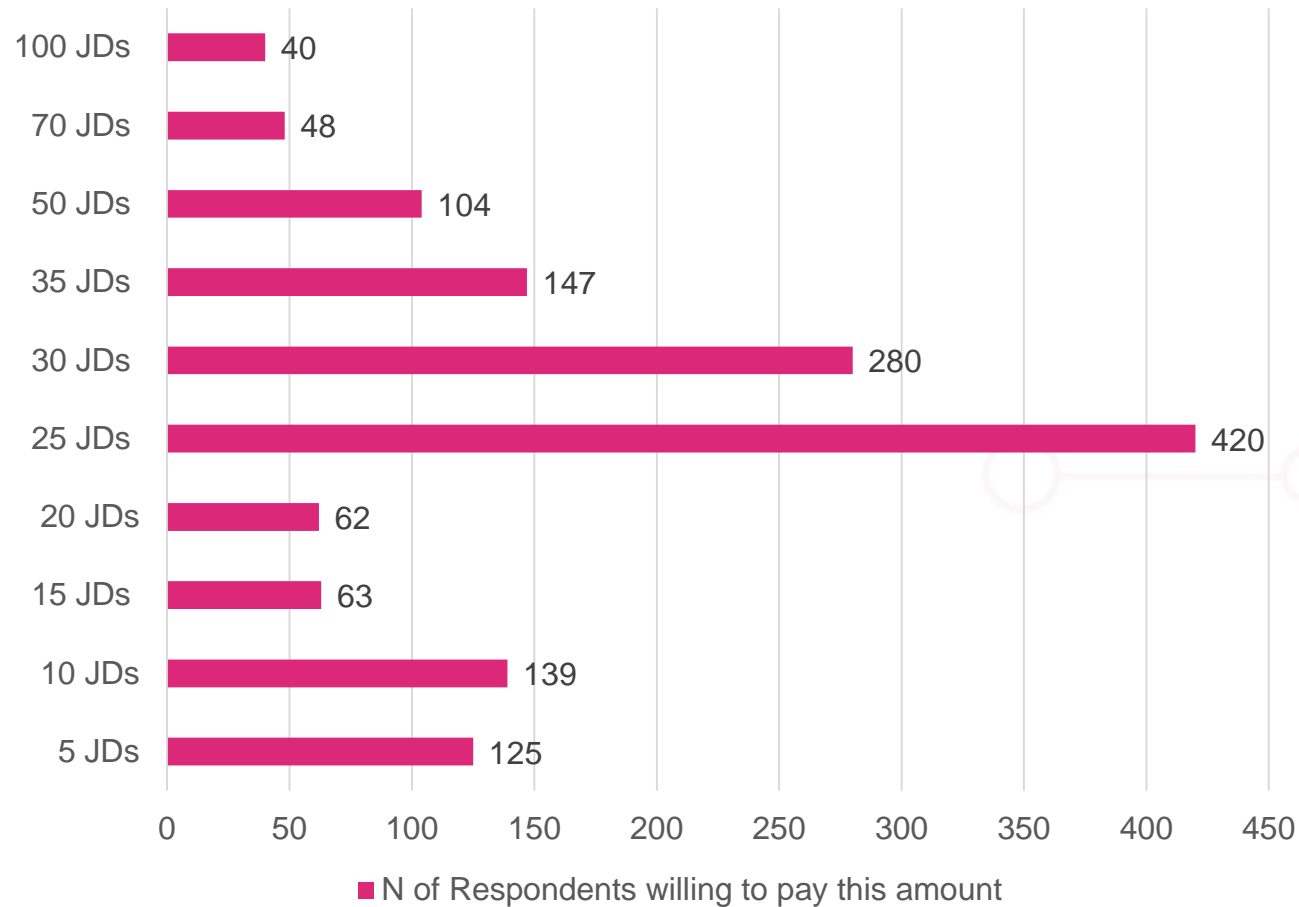
- Underwent mammography
- Did not undergo mammography

Health Behavior

Mammography Practice	
Frequency of undergoing mammography	% (N)
Once every year	21% (44)
Twice every year	9% (17)
More than twice every year	4% (9)
Once every two years	11% (23)
Only did it once in lifetime	55% (115)

Visits to HCPs	
Number of visits within Last 12 months	% (N)
No visits	59.1% (556)
One visit	15% (141)
Two visits	9.4% (88)
3 visits	4.5% (42)
4 visits	3.9% (37)
5 visits	0.6% (6)
More than 5 visits	7.5% (71)

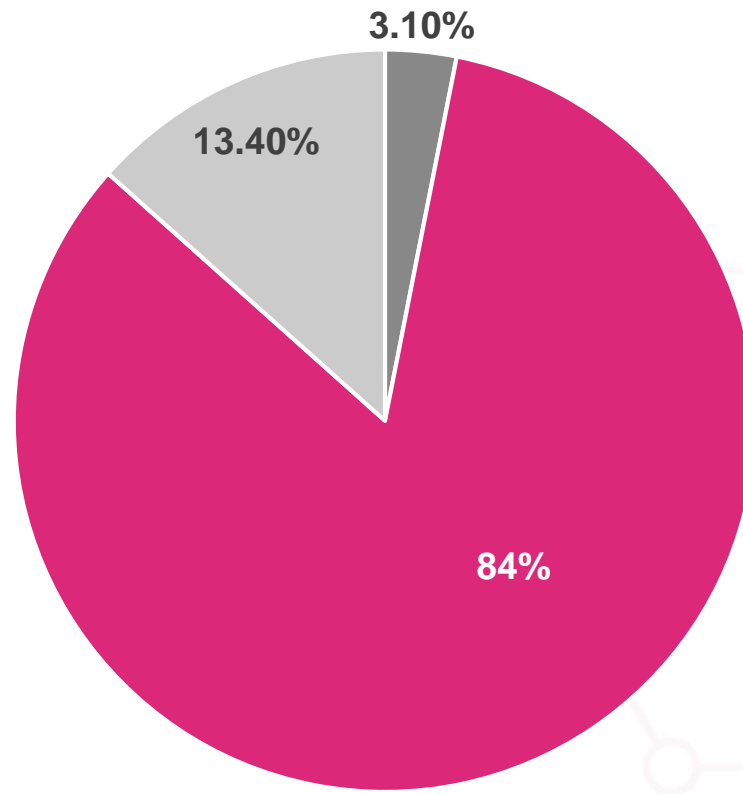
Willingness to Pay



Perceived Price of Mammography

Price Range	% (N)
Less than 5 JDs	36.3% (342)
5-10 JDs	28.1% (264)
11-15 JDs	6% (56)
16-20 JDs	10.3% (97)
21-30 JDs	5.3% (50)
31-50 JDs	7.3% (69)
51-74 JDs	1.9% (18)
75-100 JDs	1.7% (16)
More than 100 JDs	3.1% (29)

Willingness to Pay



■ Agree ■ Agree and disagree ■ Do not agree



Health Insurance

Respondents' Intention to undergo mammography if it was covered by insurance

Intention	% (N)
I will definitely undergo mammography	68% (640)
I will consider undergoing mammography	20.4% (192)
I will not consider undergoing mammography	11.6% (109)

Respondents' Intention to pay a copayment of 5 JDs

Intention	% (N)
I will definitely pay a copayment of 5 JDs	77.4% (728)
I will consider paying a copayment of JDs	9.1% (86)
I will not consider paying a copayment of 5 JDs	13.5% (127)

Respondents' Attitude towards Mammography's coverage by insurance

Attitude	% (N)
A definite must	78.4% (738)
A must	18.4% (173)
Good to have	2.1% (20)
No need	0.5% (5)
Can do without it	0.5% (5)

Influencing Factors: Family Income

Respondents' Attitude towards Mammography's coverage by insurance	Low Income	Middle Income	High Income	Declined to answer	P for X ² Test
A definite must	29.3% (216)	61.9% (457)	8.1% (60)	0.7% (5)	0.762
A must	30.6% (53)	64.7% (112)	4% (7)	0.6% (1)	
Good to have	30% (6)	70% (14)	0% (0)	0% (0)	
No need	60% (3)	40% (2)	0% (0)	0% (0)	
Can do without it	40% (2)	60% (3)	0% (0)	0% (0)	

***There is no association between respondents' attitude towards mammography coverage by insurance and their family monthly income**

Influencing Factors: Family Income

Respondents' Intention to undergo mammography if it was covered by insurance	Low Income	Middle Income	High Income	Declined to answer	P for X ² Test
I will definitely undergo mammography	30.6% (196)	61.1% (391)	7.7% (49)	0.6% (4)	0.369
I will consider undergoing mammography	26.6% (51)	67.2% (129)	6.3% (12)	0% (0)	
I will not consider undergoing mammography	30.3% (33)	62.4% (68)	5.5% (6)	1.8% (2)	

***There is no association between respondents' family monthly income and their intention to undergo mammography if it was covered by insurance**

Influencing Factors: Family Income

Respondents' Intention to pay a copayment of 5 JDs	Low Income	Middle Income	High Income	Declined to answer	P for X ² Test
I will definitely pay a copayment of 5 JDs	27.3% (199)	65.2% (475)	6.7% (49)	0.7% (5)	0.044
I will consider paying a copayment of 5 JDs	34.9% (30)	54.7% (47)	10.5% (9)	0% (0)	
I will not consider paying a copayment of 5 JDs	40.2% (51)	52% (66)	7.1% (9)	0.8% (1)	

*** There is an association between respondents' family monthly income and their intention to pay a copayment of 5 JDs**

Influencing Factors (P for χ^2 Test)

	Health Behavior	Attitude towards breast cancer	Attitude towards mammography	Having their own income	Receipt of mammography	Number of HCPs visits	Level of Education
Respondents' Attitude towards Mammography's coverage by insurance	0.710	0.751	0.137	0.061	0.488	0.237	0.559
Respondents' Intention to undergo mammography if it was covered by insurance	0.051	<0.001	0.001	0.2	<0.001	0.046	0.034
Respondents' Intention to pay a copayment of 5 JDs	0.53	0.023	0.005	0.557	0.07	0.37	0.173

Influencing Factors

	Health Insurance	Area	Most Common cancer is Breast Cancer	Age	Role in Family	Marital Status
Respondents' Attitude towards Mammography's coverage by insurance	0.22	0.658	0.086	<0.001	0.036	0.006
Respondents' Intention to undergo mammography if it was covered by insurance	0.288	0.471	0.505	0.026	0.374	0.02
Respondents' Intention to pay a copayment of 5 JDs	0.077	<0.001	0.095	0.810	0.390	0.487

Factors Influencing Respondents' Attitude towards Mammography's coverage by insurance

1) Respondents Having their own income

Respondents who did not have their own income found more importance in covering mammography by insurance

2) Respondents viewing breast cancer as the most common disease among women

Respondents who view breast cancer as the most common disease among women found more importance in covering mammography by insurance.

3) Respondents role in the family

Respondents who were not the head of their families found more importance in covering mammography by insurance

4) Age of respondents

Respondents from younger age groups (forties and middle forties) found more importance in covering mammography by insurance

Factors Influencing Respondents' Intention to undergo mammography if it was covered by insurance

1) Respondents Health Behavior

Respondents who regularly visits HCPs (without complaint) were more willing to undergo mammography if it was covered by insurance

2) Respondents' Attitude towards breast cancer

Respondents who view breast cancer as a dangerous disease were more willing to undergo mammography if it was covered by insurance

3) Respondents' receipt of mammography

Respondents who received mammography before were more willing to undergo mammography if it was covered by insurance

4) Number of visits to HCPs in the last 12 months

Respondents who had higher number of visits to HCPs in the last 12 months were more willing to undergo mammography if it was covered by insurance

Factors Influencing Respondents' Intention to undergo mammography if it was covered by insurance

5) Respondents attitude towards mammography

Respondents with higher level of education were more willing to undergo mammography if it was covered by insurance.

6) Respondents' Age

Respondents from younger age groups (forties and middle forties) were more willing to undergo mammography if it was covered by insurance.

7) Respondents' Marital Status

Married respondents were more willing to undergo mammography if it was covered by insurance.

8) Respondents' Educational Level

Respondents who had higher education were more willing to undergo mammography if it was covered by insurance.

Factors Influencing Respondents' Intention to pay a copayment of 5 JDs

1) Respondents family income

Respondents with higher family income were more willing to pay a copayment of 5 JDs.

2) Respondents' Attitude towards breast cancer

Respondents who viewed breast cancer as a dangerous disease were more willing to pay a copayment of 5 JDs.

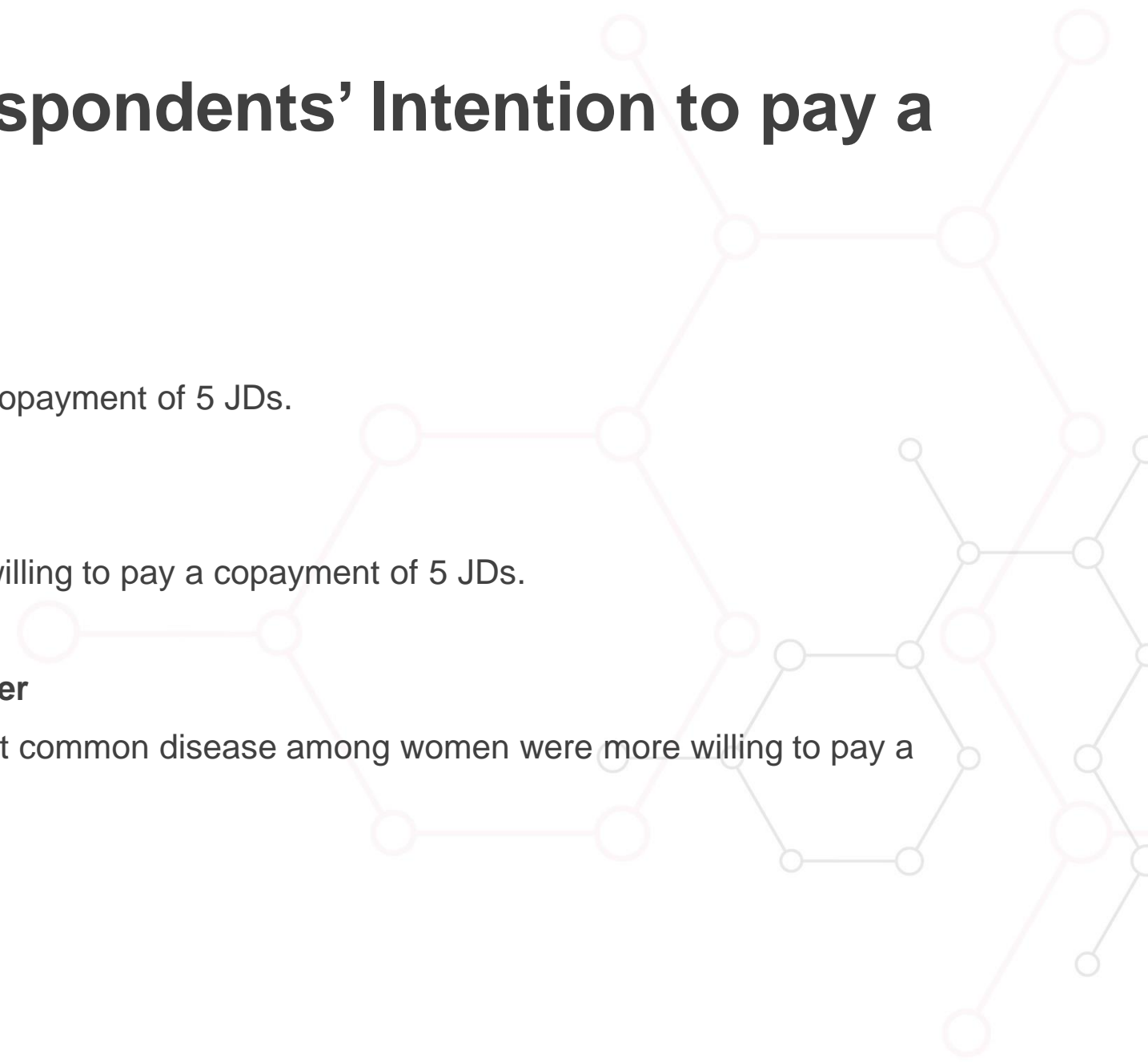
3) Respondents' Attitude towards mammography

Respondents who had a positive attitude towards mammography were more willing to pay a copayment of 5 JDs.

4) Respondents' receipt of mammography

Respondents who underwent mammography before were more willing to pay a copayment of 5 JDs.

Factors Influencing Respondents' Intention to pay a copayment of 5 JDs



5) Health insurance

Insured respondents were more willing to pay a copayment of 5 JDs.

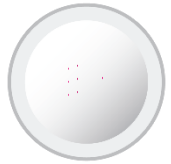
6) Area

Respondents who live in urban area were more willing to pay a copayment of 5 JDs.

7) Respondents' Attitude towards breast cancer

Respondents who view breast cancer as the most common disease among women were more willing to pay a copayment of 5 JDs.

Conclusions



It's important to consider covering mammogram and breast imaging in insurance programs. It favorably affects women's attitudes and practice towards the service.



Many factors influence Jordanian women's decision to undergo mammography and many factors affect their willingness to pay. They need to be thoroughly addressed in the future health policies.



Jordanian women's health behavior is not proactive. This could explain the constant low percentages of Jordanian women receiving mammography services. Therefore, to increase the number of Jordanian women receiving this service, barriers should be eliminated



Holistic efforts to address the gaps are needed.

THANK YOU



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