

Activities in breast cancer screening in Cyprus

DISTRICT	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2003-2015
NICOSIA														
Number of invitations sent	11,760	18,857	4,162	18,600	14,951	10,800	21,703	22,230	18,144	16,651	20,888	15,928	16,975	211,649
Number of letters returned (estimate)	2,831	1,000	2,000	4,000	4,000	1,000	500	1,000	500	1,000	1,000	1,000	500	20,331
Number of mammographies	3,781	8,515	6,747	7,420	7,892	7,003	7,982	8,297	8,414	8,348	8,393	8,487	8,542	99,821
Number of re-calls for ultrasound	185	607	385	436	150	286	395	379	585	508	548	610	578	5,652
Number of cases referred for further assessment	152	509	101	85	300	128	524	936	792	921	1,122	1,462	2,143	9,175
LARNACA														
Number of invitations sent	-	5,400	3,087	-	5,000	4,500	1,500	2,943	5,500	7,296	-	7,154	4,791	47,171
Number of letters returned (estimate)	-	n.s	n.s	-	n.s	n.s	n.s	n.s	n.s	350	-	n.s	433	783
Number of mammographies	-	810	1,429	130	2,000	1,156	895	1,129	806	1,536	1,723	2,048	2,435	16,097
Number of re-calls for ultrasound	-	28	115	2	18	27	32	60	75	91	144	164	275	1,031
Number of cases referred for further assessment	-	11	40	1	14	57	49	71	69	43	88	104	147	694
PAFOS														
Number of invitations sent	-	4,071	2,300	3,190	4,000	2,500	3,500	3,350	3,500	3,552	-	5,534	4,827	40,324
Number of letters returned (estimate)	-	n.s	n.s	n.s	n.s	120	n.s	n.s	n.s	580	-	n.s	1,350	2,050
Number of mammographies	-	703	1,871	1,542	1,034	957	1,166	1,020	1,135	1,338	1,356	1,694	1,674	15,490
Number of re-calls for ultrasound	-	30	26	63	52	59	31	44	42	61	67	144	218	837
Number of cases referred for further assessment	-	11	3	20	30	35	30	20	43	19	41	124	142	518
LIMASSOL														
Number of invitations sent	-	-	-	-	6,500	17,133	18,243	5,400	12,319	17,650	10,174	12,487	14,010	113,916
Number of letters returned (estimate)	-	-	-	-	n.s	n.s	n.s	n.s	789	2,556	1,196	537	819	5,897
Number of mammographies	-	-	-	-	2,865	2,973	3,941	3,260	4,024	3,632	4,031	4,367	4,458	33,551
Number of re-calls for ultrasound	-	-	-	-	108	119	135	136	184	225	298	412	543	2,160
Number of cases referred for further assessment	-	-	-	-	50	63	225	195	130	135	197	400	534	1,929
FAMAGUSTA														
Number of invitations sent	-	-	-	5,108	-	2,700	2,500	2,000	1,500	1,248	-	1,500	379	16,935
Number of letters returned (estimate)	-	-	-	n.s	-	n.s	n.s	300	300	150	-	n.s	n.s	750
Number of mammographies	-	-	-	1,166	534	391	891	580	474	542	411	879	718	6,586
Number of re-calls for ultrasound	-	-	-	41	32	13	19	31	23	29	44	132	85	449
Number of cases referred for further assessment	-	-	-	8	36	17	63	41	34	41	45	185	157	627
ALL DISTRICTS														
Number of invitations sent	11,760	28,328	9,549	26,898	30,451	37,633	47,446	35,923	40,963	46,397	31,062	42,603	40,982	429,995
Number of letters returned (estimate)	2,831	1,000	2,000	4,000	4,000	1,000	500	1,300	1,589	4,636	2,196	1,000	3,102	29,154
Number of mammographies	3,781	10,028	10,047	10,258	14,325	12,480	14,875	14,286	14,853	15,396	15,914	17,475	17,827	171,545
Number of re-calls for ultrasound	185	665	526	542	360	504	612	650	909	914	1,101	1,462	1,699	10,129
Number of cases referred for further assessment	152	531	144	114	430	300	891	1,263	1,068	1,159	1,493	2,275	3,123	12,943
Population by age group:														
50-54	22,671	22,816	23,090	23,617	24,454	25,541	26,741	27,874	28,873	29,398	29,542	28,694	-	
55-59	19,828	20,883	21,857	22,606	23,164	23,459	23,765	24,134	24,689	25,245	25,889	25,289	-	
60-64	16,682	16,976	17,377	17,959	19,021	20,364	21,730	22,948	23,762	23,986	23,842	23,497	-	
65-69	14,518	14,940	15,388	15,733	16,104	16,451	16,908	17,430	18,187	19,187	20,328	21,400	-	
50-69	73,699	75,615	77,712	79,915	82,743	85,815	89,144	92,386	95,511	97,816	99,601	98,880	-	
Invitations sent in the preceeding 2 year period as % of the eligible population*			52%	47%	44%	67%	76%	92%	87%	79%	88%	78%		



*Because we have "two-yearly" programmes, we calculate the approximate % of the eligible population who are sent an invitation by dividing the number of invitations sent in the previous two years by the population of eligible women in the current year.

The main reason for not being able to send invitations to all the eligible women is the fact that we do not yet possess a complete register of the population. Our "population register", in the current mode of operation, does not capture all the resident population. Moreover, many addresses in it are not up to date.

"Number of mammographies" means the number of mammographies in the context of the Programme. Private sector mammographies are not included.

General notes:

From the invitations sent, a large number of women in the program chose to make mammogram at another center than the skilled one.

For Nicosia:

Number of invitations sent: 2010 we had the software for the first time which sent double invitations and also sent back invitations to addresses that returned (incomplete address).

Number of women referred for further assessment: Many women that their results are normal still they ask for additional mammography (mammography per year).

For Larnaca:

The program started in 2004. There was no specialized center at the time and the procedure was taking place in other centers. From 2012 the operation of a specialized center has begun.

Number of letters returned: There is no staff for the recording of returns.

For Paphos:

The program started in 2004.

Number of letters returned: The reason that the invitations returned were not recorded it is not known.

For Limassol:

The program started in 2007. There was no specialized center at the time and the procedure was taking place at the old Limassol General Hospital. From 2012 the operation of a specialized center has begun.

Number of letters returned: Returns were not recording.

For Famagusta:

The program started in 2006.

Number of invitations sent: In 2007 no invitations were sent because all invitations sent in 2006. Same occurred in 2013 where no invitations were sent because all invitations sent in 2012.

Number of letters returned: There is not enough staff for the recording of returns.