## Supplementary Materials Medication Communication Activities - Roles and Pathways

Nicole A. Kitson, PhD, Morgan Price, MD, PhD, Francis Lau, Grey Showler, RN, BSN Developing a medication communication framework across continuums of care using the Circle of Care Modeling approach, BMC Health Services Research, 2013.

## **Medication Communication Activity Tables:**

- Combined activities
- Determine Need
- Prescribe
- Dispense
- Administer
- Monitor/evaluate
- Coordinate

Medication Communication Activity: Roles and Pathways. Represents 252 pathways between 50 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family physician	Specialist physician	Walk-in clinic doctor	Previous provider	Doctor on call	Pharmacist	Pharmacy technician Pharmacy delivery	Pharmacist (other pharmacy)	Pharmacy technician (other pharmacy)	Medical Office Assistant	Specialist Medical Office Assistant	ce Assi	Previous Provider Medical Office Assistant	Family member	Friends	Home and Community Care Nurse	Community Health Centre Nurse	Outreach nurse	Corrections nurse	Emergency Room doctor/Physician on duty	Hospital ward doctor	Hospital Ward nurse	Hospital specialist	Community care discharge planner	Hospital records	Hospital pharmacist	Laboratory	Home laboratory services	Longterm care	Home worker	Home worker supervisor	Community Health Centre Support Group	Support Group	Social Worker	Case manager	Assertive Community Treatment (ACT) Caseworker Counselor	Mental Health worker	Housing staff	Payor	St. Paul's Hospital	College of Physicians and Surgeons	College of Pharmacists	Pharmaceutical Manufacturers	Researcher	
Patient					$\perp$	_	4	_		-		_		_	_		_	_			_		+				$\perp$		_							_								_	4	34
Family physician					4	_							_			_		_			_		_				$\vdash$		_					_		4			_					4		28
Specialist physician					4			_			$\square$								<u> </u>						4		$\perp$				4		Ш		_	$\perp$		_	_			Ш	_	$\rightarrow$	_	12
Walk-in clinic doctor			Ш		_			$\perp$		_	Ш				_		1			ш	_		$\perp$	$\perp$	_	$\perp$	$\perp$	$\sqcup$	$\perp$	$\perp$	1	Ш	Ш		_	$\perp$		1	1	1		ш	_	$\dashv$	$\perp$	2
Previous provider		Ш			$\perp$	_	_	$\perp$	_	1	Ш				$\perp$					$\sqcup$	_		$\perp$	$\perp$		$\perp$	$\perp$	$\sqcup$	$\perp$	$\perp$	1		Ш		$\perp$	$\perp$	$\perp$	$\perp$	$\perp$	$\perp$		$\sqcup$	4	$\dashv$	$\perp$	
Doctor on call					$\perp$			$\perp$			Ш					$\perp$								$\perp$				$\perp$	$\perp$				Ш		_									$\rightarrow$	$\perp$	1
Pharmacist					[								_[															$\Box$					$\Box$	_								Ш			$\perp$	22
Pharmacy technician					$\perp$										$\perp$																											$\Box$		$\perp \! \! \! \! \! \! \! \! \! \! \perp$		7
Pharmacy delivery																																														2
Pharmacist (other pharmacy)																																				Т			П							2
Pharmacy technician (other pharmacy)																													Т							Т		П	Т					Т	$\top$	2
Medical Office Assistant																																				T						П		$\neg$	$\neg$	13
Specialist Medical Office Assistant																																				T								$\neg$		4
Walk-in clinic Medical Office Assistant																																				Т								$\Box$	$\neg$	3
Previous provider Medical Office Assistant		П							T									Т		П							П									T						П		$\neg$	$\top$	2
Family member																																				$\top$								$\top$	$\top$	8
Friends																																												$\neg$	$\neg$	1
Partner					$\top$																															$\top$								$\neg$	$\neg$	1
Home and Community Care Nurse																													$\top$							$\top$			$\top$			П		$\top$	$\top$	15
Community Health Centre Nurse																													$\top$							T								$\top$		12
Outreach nurse					$\neg$										$\neg$		$\top$			П					$\top$		T									$\top$			T					$\top$	$\top$	2
Corrections nurse																							$\neg$													T								$\neg$	$\neg$	1
Emergency Room doctor/Physician on duty																																				$\top$						П		$\neg$	$\neg$	6
Hospital ward doctor					_																								$\top$							$\top$			$\top$					$\top$	$\top$	8
Hospital ward nurse					$\top$				$\top$		П			$\neg$	$\neg$			$\top$		П			T		$\top$				$\top$		$\top$				$\top$	$\top$			T			$\Box$		$\neg$	$\top$	8 7
Hospital specialist					$\top$																		1													$\top$			T			$\Box$		$\neg$	$\neg$	5
Hospital Home and Community Care Liaison																							$\top$													$\top$								$\neg$	$\neg$	1
Community care discharge planner																							$\top$						$\top$							$\top$						П		$\top$	$\neg$	1
Hospital records					$\top$			$\top$	$\top$	T	П			$\neg$	$\neg$	$\top$	$\top$	$\top$		П					$\top$		T		$\top$	$\top$	$\top$				$\top$	$\top$			T			Ħ		$\neg$	$\top$	4
Hospital pharmacist		П			$\dashv$			$\neg$			$\Box$	_	T	$\neg$	$\top$		$\top$			П					$\top$	$\top$	$\Box$	$\sqcap$	$\top$		T					$\top$						$\Box$	$\dashv$	$\top$	$\top$	1
Laboratory					$\neg$	$\neg$	1	$\neg$			П		1	1	$\neg$					П	$\neg$	$\neg$					$\Box$	$\sqcap$	$\top$		1		П			$\top$						$\Box$		$\dashv$	$\neg$	3
Home laboratory services					$\neg$		T						T		$\neg$			1					$\top$		T											$\top$						П	7	丁	$\neg$	2
Acute residential care					$\neg$		T	1					T		$\top$					П			$\top$													$\top$						П		$\neg$	$\neg$	1
Longterm care					$\top$			$\top$	T				T	T	T		T	Т	Т				T		T		Т									T							T	$\top$	$\top$	1
Home worker					$\top$		T		T				T	$\Box$	$\top$		T			П	$\Box$		T							T						T							$\Box$	$\Box$		3
Home worker supervisor					$\neg$		T	1					T		$\top$								$\top$		T											$\top$							T	$\neg$		2
Community Health Centre Support Group					T								T										T													Τ							$\neg$	$\top$	Т	3
Support Group					$\top$				T		П		T		T		Т						T		Т	T	П		Т	T					Т	T						П	T	$\top$	$\top$	1
Social worker				$\Box$	$\top$	$\top$	T	$\top$	T				$\exists$	$\top$	$\top$					П	$\neg$		$\top$	$\top$	Т	Т			$\top$	Т	Т				Т	T	Т						$\exists$	$\top$	$\top$	2
Case manager																																				Т									$\Box$	2
Assertive Community Treatment (ACT) Caseworker					T			I	I				I		T	I	I						I	$\perp$	I	$\Box$			I	$\perp$					I	I	I						T	J		2
Counselor					I	$\Box$	I	$\perp$	I				I	I	I	I	I	I					I	$\perp$	I	$\perp$			I	$\perp$	L				I	I	$\perp$	I					J	J		1
Mental health worker					Π			J	$I^{-}$	L					$\Box \top$			Ι		$\Box$																								$_{\top}$		3
Housing staff																																														1
Payor									$\perp$				┚	I	$\Box$		Ι						T		$\perp$				$oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$		$\perp$					J										5
St. Paul's Hospital									I	L			╗	$\Box$									T			1										J		I					⇉	丁		2
College of Physicians and Surgeons					$\top$			$\top$				$\neg$	T		T		T				$\neg$		T		T		$\Box$					П	П			$\top$		1					T	$\top$	$\top$	1
College of Pharmacists		П			$\neg$			$\neg$				T	T	$\neg$	$\top$		T	Т	Т	П			$\top$		T		П									$\top$							T	$\neg$	$\neg$	1
Pharmaceutical Manufacturers					$\neg$			$\neg$				_	1	1	$\neg$					П		$\neg$	$\top$					$\Box$	$\neg$		1					$\top$						$\Box$	1	$\dashv$	$\top$	2
Researcher		П			$\dashv$	$\neg$	1	$\neg$					T	_	$\top$					П	$\neg$	$\neg$	$\top$		1		$\Box$		$\top$		1	П	П			$\top$		1					$\neg$	$\top$	$\top$	1
Total connections		П			十	$\neg$	T	$\top$	1	1	$\Box$	$\neg$	T				$\top$	1		П	$\neg$		T		$\top$	$\top$	$\Box$		$\top$		T	П	П			$\top$		1	1			$\Box$	T	$\top$	12	252
	_	_	_		_																																									

Medication Communication Activity - Communicate DETERMINE NEED: Roles and Pathways. Represents 54 pathways between 20 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family physician	Specialist phyisican	Walk-in clinic doctor	Doctor on call	Pharmacist	Pharmacist (other pharmacy)	Medical Office Assistant	Home and Community Care Nurse	Community Health Centre Nurse	Outreach nurse	Emergency Room doctor/]Physician on duty	Hospital ward doctor	Hospital ward nurse	Hospital specialist	Community care discharge planner	Community Health Centre Support Group	Support Group	Case manager	Mental Health worker	
Patient																					14
Family physician																					10
Specialist physician																				<u> </u>	4
Walk-in clinic doctor																				<u> </u>	1
Doctor on call																					1
Pharmacist																					1
Pharmacist (other pharmacy)																					1
Medical Office Assistant																					1
Home and Community Care Nurse																					3
Community Health Centre Nurse																					5
Outreach nurse																					1
Emergency Room doctor/Physician on duty																					1
Hospital ward doctor																					1
Hospital ward nurse																					1
Hospital specialist																					1
Community care discharge planner																					1
Community Health Centre Support Group																					2
Support Group																					1
Case manager																					2
Mental health worker																					2
Total connections																					54

Medication Communication Activity - Communicate PRESCRIBE: Roles and Pathways. Represents 46 pathways between 16 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family Physician	Specialist physician	Walk-in doctor	Doctor on call	Pharmacist	Pharmacy technician	Home and Community Care Nurse	Community Health Centre Nurse	Emergency Room doctor/physician on duty	Hospital ward doctor	Hospital ward nurse	Hospital specialist	Community Health Centre Support Group	Payor	Pharmaceutical Manufacturers	
Patient																	9
Family physician																	7
Specialist physician																	3
Walk-in clinic doctor																igsquare	2
Doctor on call																	1
Pharmacist																	6
Pharmacy technician																	1
Home and Community Care Nurse																	1
Community Health Centre Nurse																igsqcut	3
Emergency Room doctor/physician on duty																	2
Hospital ward doctor																igsqcut	2
Hospital ward nurse																	2
Community Health Centre Support Group																	2
Hospital specialist																	1
Payor																Ш	3
Pharmaceutical Manufacturers																	1
																	46

Medication Communication Activity - Communicate DISPENSE: Roles and Pathways. Represents 36 pathways between 14 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family physician	Specialist physician	Walk-in clinic doctor	Pharmacist	Pharmacy technician	Pharmacy delivery	Pharmacist (other pharmacy)	Pharmacy technician (other pharmacy)	Home and Community Care Nurse	Emergency Room doctor/Physician on duty	Hospital ward doctor	Hospital ward nurse	Pharmacare	
Patient															5
Family physician															3
Specialist physician															1
Walk-in clinic doctor															1
Pharmacist															11
Pharmacy technician															5
Pharmacy delivery															2
Pharmacist (other pharmacy)															1
Pharmacy technician (other pharmacy)															1
1				1		1	1			1					1
Home and Community Care Nurse															
Emergency Room doctor/Physician on duty															1
Emergency Room doctor/Physician on duty Hospital ward doctor															1
Emergency Room doctor/Physician on duty															1 1 1
Emergency Room doctor/Physician on duty Hospital ward doctor					11	5	2				1				1

Medication Communication Activity - Communicate ADMINISTER: Roles and Pathways. Represents 28 pathways between 12 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family physician	Specialist physician	Pharmacist	Pharmacist (other pharmacy)	Home and Community Care Nurse	Community Health Centre Nurse	Hospital ward doctor	Hospital ward nurse	Home worker	Home worker supervisor	Social worker	
Patient													9
Family physician													2
Specialist physician													1
Pharmacist													1
Pharmacist (other pharmacy)													1
Home and Community Care Nurse													3
Community Health Centre Nurse													3
Hospital ward doctor													1
Hospital ward nurse													1
Home worker													3
Home worker supervisor													2
Social worker													1
													28

Medication Communication Activity - Communicate MONITOR: Roles and Pathways. Represents 200 pathways between 47 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family physician	Specialist physician	Walk-in clinic doctor	Previous provider	Doctor on call	Pharmacist	Pharmacy technician	Final matter (Other philatmacy)	Pharmacy technician (other pharmacy) Medical Office Assistant	Specialist Medical Office Assistant	Family member	Friends	Partner	Home and Community Care Nurse	Community Health Centre Nurse	Outreach nurse	Corrections nurse	Emergency Room doctor/Physician on duty	Hospital ward doctor	Hospital snecialist	John Special St.	j   j	Hospital records	Hospital pharmacist	Laboratory	Home laboratory services	Acute residential care	Longterm care	Home worker Home worker supervisor	Community Health Centre Support Group		Social worker	Case manager	Assertive Community Treatment (ACT) Caseworker	Counselor	Mental Health worker	Housing staff	Payor	St. Paul's Hospital	College of Physicians and Surgeons	College of Pharmacists  Pharmaceutical Manufacturers	Researcher	
	Pa B	Б	S	ž	ž	8	두 1	5 2	E   2	₹   ž	S	굡	표	Pa	포	ဒ	0	8	ᇤ	ž i	1 1	£   5	£   8	일	물	2	포	Ä	요 :	위	8	S	S	ន	As	8	ž	윈	Pa	ᅓ	8 (	S   £	.   &	
Patient					$\dashv$	_	_		+	_	_		-					_	_	_	+		_	_	+			_											-		_		4	30
Family physician					$\dashv$	_		+	+				-					-		-	+	-			+		-				+	$\vdash$	$\vdash$					$\dashv$	$\rightarrow$			-	+	22
Specialist physician Walk-in clinic doctor				$\dashv$	$\dashv$	+		+	+	+							$\dashv$	$\dashv$	+		+	+	+	+	+		-	$\dashv$	+	+	+	$\vdash$	$\vdash$		$\vdash$	$\dashv$	-	$\dashv$	$\dashv$	$\dashv$	+	+	+	11 3
Previous provider				-	$\dashv$			+	+	+	+	1	$\vdash$		$\vdash$		$\dashv$	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	$\vdash$		$\vdash$	+		$\dashv$	$\dashv$	+	-	+	+	1
Doctor on call		$\vdash$	$\vdash$	$\dashv$	$\dashv$	+	+	+	+	+	+	$\vdash$	+				$\dashv$	$\dashv$	+	+	+	+	+	+	+	+	-	$\dashv$	+	+	+	$\vdash$	$\vdash$		$\vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	+	+	1
Pharmacist					$\dashv$	$\dashv$				+	+							_				+	+		_					+	+		$\vdash$										+	20
Pharmacy technician					$\dashv$					+	+							7				+	+				$\dashv$	7		+	$^{+}$	+	$\vdash$					_					+	4
Pharmacist (other pharmacy)					$\dashv$			$\top$	$\top$	+	1	H	+				$\neg$	$\dashv$				+	$\top$	$\top$	+			-	$\dashv$	$\top$	+		H					$\neg$	_	_			+	3
Pharmacy technician (other pharmacy)					$\neg$				$\top$	$\pm$	1		+				$\neg$	$\dashv$	_		+	+	$\top$	+					$\dashv$	+	+		t					$\neg$	_	_			+	1
Medical Office Assistant				7					$\top$	+	1		1								+	$\top$	_		+																		+	3
Specialist Medical Office Assistant					一				$\top$		1		1								+	$\top$	_		+																		+	1
Family member					$\neg$				T	$\top$	$\top$	T					$\neg$				$\top$	$\top$	$\top$		$\top$				_	$\top$	$\top$							$\neg$					$\top$	6
Friends					$\neg$				T								$\neg$					$\top$	$\top$		$\top$					$\top$								$\neg$					$\top$	1
Partner																																											T	1
Home and Community Care Nurse																																												13
Community Health Centre Nurse																																											$\perp$	12
Outreach nurse																																											$\perp$	2
Corrections nurse								$\perp$	$\perp$									$\perp$																									$\perp$	1
Emergency Room doctor/Physician on duty									$\perp$														$\perp$																				$\perp$	6
Hospital ward doctor					_		_		$\perp$								_	_			_	_	_															_					_	8
Hospital ward nurse									$\perp$												_	$\perp$																					_	7
Hospital specialist					_	_		$\perp$	$\perp$				_				_				4	$\perp$	$\perp$						_	$\perp$		<u> </u>						_	_			$\perp$	_	5
Hospital Home and Community Care Liaison					_	_	_	_	$\perp$		4		_				_	_			_	+			4				_	_								_	_			_	_	1
Community care discharge planner	_				$\rightarrow$	_		_	+	+	+	-	₩				$\rightarrow$	_		_	_	_	+	+	+	$\perp$	_	_	_	+	+-	-	$\vdash$			_		_	-	_	_	_	—	1
Hospital records	-	$\vdash$	$\vdash$	_	-	-		+	+	+	+	$\vdash$	$\vdash$		$\vdash$		_	$\dashv$	-				+	+	+	+	_	$\dashv$	+	+	+	$\vdash$	$\vdash$	$\vdash$	$\vdash$	$\dashv$	_	_	$\dashv$	+	+	+	+	4
Hospital pharmacist				$\dashv$	$\dashv$	+	+	+	+	+	+	$\vdash$	$\vdash$		$\vdash$		-	+	$\dashv$	+			+	+	+	+		$\dashv$	+	+	+	1	$\vdash$		$\vdash$	$\rightarrow$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	+	1
Laboratory				-	+	+	+	+	+	+	+	$\vdash$	+		$\vdash$		+	+	+	+	+	+	+	+	+	+	_	$\dashv$	+	+	+	1	$\vdash$	$\vdash$	Н	$\dashv$	-	+	$\dashv$	+	+	+	+	1
Home laboratory services Acute residential care				-	+	+	+	+	+	+	+	1	$\vdash$		$\vdash$		+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	$\vdash$		Н	+	-	+	$\dashv$	+	+	+	+	1
Longterm care				-	$\dashv$			+	+	+	+	$\vdash$	+				$\dashv$	+	+	+	+	+	+	+	+	+	-	$\dashv$	+	+	+	1	$\vdash$		$\vdash$	$\dashv$		$\dashv$	$\dashv$	+	+	+	+	1
Home worker			$\vdash$	$\dashv$	$\dashv$	+		+	+	+	+	$\vdash$	+	$\vdash$			$\dashv$	$\dashv$	+	+	+	+	+	+	+	+	-	$\dashv$	+			$\vdash$	$\vdash$		$\vdash$	$\dashv$	$\dashv$	$\dashv$	$\dashv$	+	+	+	+	3
Home worker supervisor				$\dashv$	$\dashv$	$\dashv$	+	+	+	+	+	$\vdash$	$\vdash$				$\dashv$	+	+	+	+	+	+	+	+	+	$\dashv$	$\dashv$				+	$\vdash$		Н	$\dashv$		$\dashv$	$\dashv$	$\dashv$	-	+	+	1
Community Health Centre Support Group					$\dashv$	$\dashv$	$\top$	$\top$	$\top$	+	+	$\vdash$	$\vdash$				$\dashv$	$\dashv$	$\dashv$	+	$\top$	+	$\top$	$\top$	T		$\dashv$	$\dashv$			T	+	$\Box$			$\dashv$		$\dashv$	$\dashv$	$\dashv$	_		+	2
Support Group					$\dashv$	$\dashv$	$\top$	$\top$	$\top$	+	1	T	T				$\dashv$	$\dashv$	+	1	+	+	$\top$			$\Box$	_	7	$\dashv$	$\top$	T	t	H		П	7		$\dashv$	7	1	_	$\top$	+	1
Social worker					$\dashv$	$\top$	1	$\top$	$\top$	$\top$	1	T	Т				$\dashv$	$\dashv$	+	$\top$	+	$\top$	$\top$	1	$\top$	$\Box$		$\dashv$	_	$\top$	T		П		Н			$\dashv$	$\dashv$	+	1		+	2
Case manager					$\neg$				T	$\top$							$\neg$	$\dashv$	$\dashv$			$\top$	$\top$			$\Box$				$\top$			П					_	$\dashv$	$\dashv$			$\top$	2
Assertive Community Treatment (ACT) Caseworker				$\neg$	$\neg$			T	T	$\top$	T	Т	Т				T	$\neg$	T		T	$\top$	T	T				T	T		T							T	$\neg$	T	T		$\top$	2
Counselor							I	I	I	$\perp$									J		$\mathbb{I}$	Ι	$\perp$	Ι	Ι						I												$\perp$	1
Mental health worker																			Τ		Τ			Ι	Ι															Τ				3
Housing staff																						Ţ																						1
Payor																																									$\Box$		工	1
St. Paul's Hospital		Ш																$\Box$	$\Box$										$\perp$										$\Box$	$\Box$	$\perp$		$\perp$	2
College of Physicians and Surgeons	$\Box$			$\Box$	$\Box$			$\perp$		$\perp$	$\perp$						$\Box$	$\Box$	$\Box$		$\perp$	$\perp$	$\perp$	$\perp$					$\perp$		$\perp$	L	$\Box$					$\Box$	$\Box$	$\Box$	$\perp$		$\perp$	1
College of Pharmacists		$\Box$						$\perp$		$\Box$								$\perp$	$\perp$			$\perp$							$\perp$			L	$\Box$					$\Box$	$\Box$	$\Box$	$\perp$		$\perp$	1
Pharmaceutical Manufacturers						[					$\perp$	┖	$\perp$		$\Box$			_[	[	_L	L	1			1		]	[	[_				$\Box$						_[	$\Box$	$\Box$		╨	1
Researcher											$\perp$	┖	$\perp$					_[		_L	L	1	$\perp$	$\perp$				_[	$\perp$										_[				_	1
													1																														丄	200

Medication Communication Activity - COORDINATE Communication: Roles and Pathways. Represents 36 pathways between 15 roles. Light blue boxes represent one connection (e.g., Patient> Medical Office Assistant); whereas, dark blue boxes represent two connections within roles (e.g., communication between two (or more) Medical Office Assistants within the same clinic).	Patient	Family physician	Specialist physician	Walk-in clinic doctor	Previous provider	Pharmacist	Medical Office Assistant	Walk-in clinic Medical Office Assistant	Specialist Medical Office Assistant	Previous Provider Medical Office Assistant	Family member	Home and Community Care Nurse	Community Health Centre Nurse	Home laboratory services	Payor	
Patient																3
Family physician																1
Specialist physician																1
Walk-in clinic doctor																1
Previous provider																1
Pharmacist																1
Medical Office Assistant																13
Walk-in clinic Medical Office Assistant																3
Specialist Medical Office Assistant																4
Previous provider Medical Office Assistant																2
Family member																2
Home and Community Care Nurse																1
Community Health Centre Nurse																1
Home laboratory services																1
Payor																1
																36