FLOWS CLINIC

Connie Chew North Bristol Trust

Bristol Uroflowmetry Clinic

- Set up in 1980
- Daily clinics
- Referrals mostly from Urologists, but also:
 - GPs, General Surgeons, Renal Consultants,
 Gynaecologists and the Continence Advisers
 - One stop clinics.

The Location

- Flows clinic is within the Urodynamics Department
- Flows Room a couch
 - a scanner
 - a flow meter and transducer
 - Ladies micturition chair, flow meter and transducer

Flow Clinic



In the Flow Room



Bladder Scanner



Male Flowmeter



Female Flowmeter





Before the clinic

We send the patients

- a frequency volume chart/bladder diarya Flow Studies information sheet
- ICIQ Male / ICIQ Female

ICIQ = International Consultation on Incontinence Modular Questionnaire





Urodynamics



Exceptional healthcare, personally delivered

BLADDER DIARY

Flow studies

You should allow 2 to 3 hours for the test. Please eat and drink normally before you come for your test. If possible please arrive with a comfortably full bladder.

What the test involves

On arrival at the clinic, the flows nurse will meet you and fully explain the test to you. You will be asked to drink some water to fill your bladder. The flows nurse will discuss how much with you.

After drinking some water, you will need to wait until your bladder feels full. We will then ask you to pass water (urine), in privacy, into a specially adapted toilet (flowmeter) that will measure how quickly you pass urine. Once you have been to the toilet you will have an ultrasound scan of your bladder to see how empty it is. (The scan is performed by placing some warm gel on the skin over your bladder area and moving an ultrasound probe over the skin.)

						DAY 1	DATE:	1
Please compl	loto this 3	day bla	ddor dian	Enter the foll	auina in	Time	Drin	ks
				change the s				_
				ease write BE		6am	Amount	Type
you went to b					Wilding.	Valii		
						7am		
				and the type of				
				ou passed in r		8am		
				night. Any me		9am		_
				measure it, p				
n this column	. If you lea	sked urin	e at any tin	ne write LEA	K here.	10am		
Bladder sens	sation Wr	te a des	cription of h	now your blad	lder felt	11am		
when you wer						Ham		
0 - If you	had no s	Midday						
passed urin	ne for "so	4						
going out, o						1pm		
1 - If you h	had a nom	2pm						
				er feelings ar				
sudden cor		3pm						
				f to pass urin	e and if	4pm		_
you don't yo						- spani		
		ncy but	it had pass	sed away bet	fore you	5pm		
went to the								
				get to the to	ilet, still	6pm		
with urgenc						7pm		
		cy and o	could not g	et to the toile	t in time			
so you leak	ed urine.					8pm		
ads If you p	ut on or ch	nange a	pad put a ti	ck in the pads	5	9pm		
column.						Spini .		
lere is an ex	amola of h	our to on	melata the	diana		10pm		
Time	Drir		Urine	Bladder	Pads	11pm		-
	Amount	Type	output	sensation	raus	ripen		
6am WOKE	1.000	.,,,,	350ml	2	-	Midnight		
7am	300ml	tea	John .	4	-			
8am			1	2		1am		
9am			0.000,000	wy kiegowy		2am		
10am	cup	water	Leak	3	1	Zami		
						3am		
						1		

YOUR NAME: ___

DAY 2	DATE:	-	Urine	Bladder	Pads	DAY 3	DATE:		Urine	Bladder	Pads
lime	-		output	sensation	Pags	Time			output	sensation	Pags
6am	Amount	Type	(mls)			6am	Amount	Type	(mls)		-
7am		-				7am		_			
8am						8am	-				
9am						9am					
10am						10am					
					\perp						
11am						11am					
Midday						Midday					
1pm						1pm					
2pm						2pm			more	-	
3pm						3pm			91,000		
4pm				100		4pm			A 16		
5pm				100		5pm			90757	upho:	
брт						6pm					
7pm						7pm					
8pm						8pm				1	
9pm						9pm			1000	503-95-7	
10pm						10pm					
11pm						11pm					
Midnight						Midnight					
1am						1am					
2am						2am					
3am	-	-				3am					
4am		-				4am	-				
5am	-	-			-	5am					

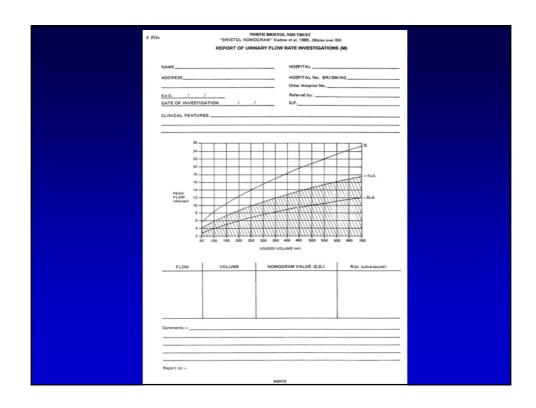
Hrin	ary symptoms
Jini	ary symptoms
sympt followi	people experience urinary symptoms some of the time. We are trying to find out about urinary owns that affect you, and how much this bothers you. We would be grateful if you could answer the ing questions, thinking about how you have been, on average, over the <u>PAST FOUR WEEKS</u> .
1.	Please write in your date of birth: DAY MONTH YEAR
2a.	How often do you pass urine during the day?
	1 to 6 times 0
	7 to 8 times 1 9 to 10 times 2
	11 to 12 times 3
	13 or more times 4
2b.	How much does this bother you?
	Please ring a number between 0 (not at all) and 10 (a great deal) 0 1 2 3 4 5 6 7 8 9 10
	0 1 2 3 4 5 6 7 8 9 10 not at all a great deal
	# / 1
3a.	During the night, how many times do you have to get up to urinate, on average?
	none 0
	one 1 two 2
	three 3
	four or more 4
3b.	How much does this bother you?
	Please ring a number between 0 (not at all) and 10 (a great deal) 0 1 2 3 4 5 6 7 8 9 10
	not at all a great deal
	- 124
4a.	Do you have pain in your bladder?
	occasionally 1
	sometimes 2
	most of the time 3
	all of the time 4
4b.	How much does this bother you? Please ring a number between 0 (not at all) and 10 (a great deal)
	0 1 2 3 4 5 6 7 8 9 10
	not at all a great deal

Urin	ary symptoms
sympt	people experience urinary symptoms some of the time. We are trying to find out about urinar ones that affect you, and how much this bothers you. We would be grateful if you could answer thing questions, thinking about how you have been, on average, over the PAST FOUR WEEKS.
1.	Please write in your date of birth: DAY MONTH YEAR
2a.	How often do you pass urine during the day?
2b.	How much does this bother you? Please ring a number between 0 (not at all) and 10 (a great deal) 0 1 2 3 4 5 6 7 8 9 10 not at all argued deal
3a.	During the night, how many times do you have to get up to urinate, on average? none 0 0 none 1 two 2 three 3 four or more 4
3b.	How much does this bother you? Please ring a number between 0 (not at all) and 10 (a great deal)
L	0 1 2 3 4 5 6 7 8 9 10 not at all a great deal
4a.	Do you have pain in your bladder? never 0 cocasionally 1 sometimes 2 most of the time 3 all of the time 4 all of the time 5 all of the 5 all
4b.	How much does this bother you? Please ring a number between 0 (not at all) and 10 (a great deal)
	0 1 2 3 4 5 6 7 8 9 10 not at all a great deal

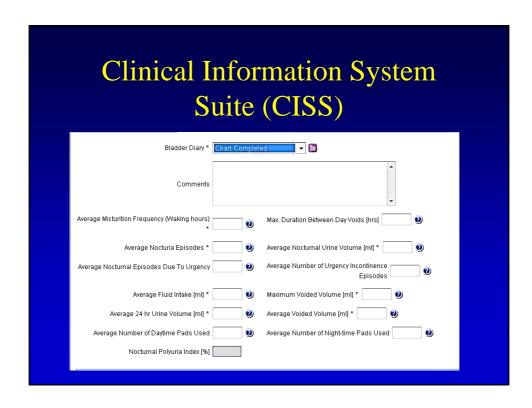
The Flows Visit

- Welcome and presentation
- Aim 2 to 3 flows
- Urinalysis
- Post void residual scan
- Flows details
 - into notes
 - electronically
- Results will be sent back to referral for review

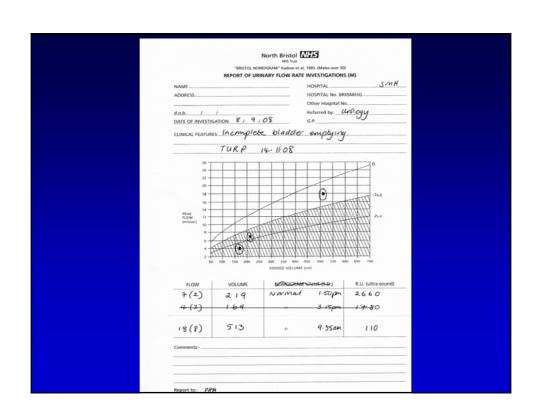


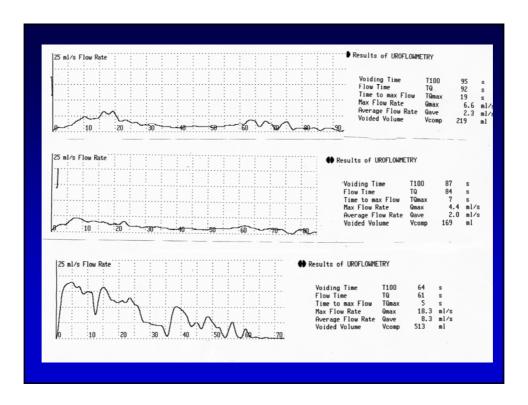


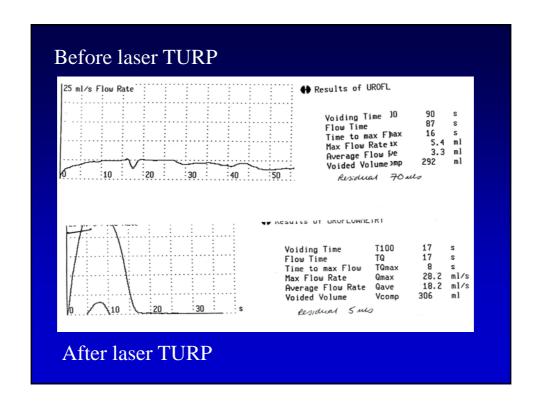
		North Bristol NIS	4	
		NHS Trust		
		URINARY FLOW RATE INVESTIGAT		
	E:			
ADD	RESS:			
Hoe	p.No.BRI/SM/HG			
Oth	er Hosp.No. d	.o.b/ / DATE OF INVEST	PTCATTON: ()	
REF	ERRED BY:		IIONIION: / /	
G. P	•			
CLI	NICAL FEATURES:			
_				
IN	ITIAL R.U.:	FLOW RATE ml/sec	SD	
FLO	W VOL. NOMOGRAN	el R. U.	L++.º	
RAT (m)	E VOIDED VALUE /sec) (ml) (S.D.)	ULTRA- SOUND		
		25 -	17-1-1	
		1 1 3 1 %	1 1-1-1	
		E 05		
	1 1	I I I	1,4-1-1	
		1 1 1 1/1	111.	
		15 = /// /	WINNIN-S	
		1 1 1 1 1 1 1 1 1 1	UNIKIIKIIKI	
		1 10 1 1/1	4X/X/X/X/	
			TX//X//X//X//////3	
		1 1 1 3 3 3 3 3 3	IIXIIXIIXIIXI	
		, , , , ,	IXIIXIIXIIX.	
	iroky et al, Urol. 722	(5) 665 1979	IIXIIXIIXIIXI	
	_	1 1/1/1/	TINIIN IIX IIX	
CON	MENTS:	VOLUME (ec) 200	400 600	
_				
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Rep	ort to:		905270	

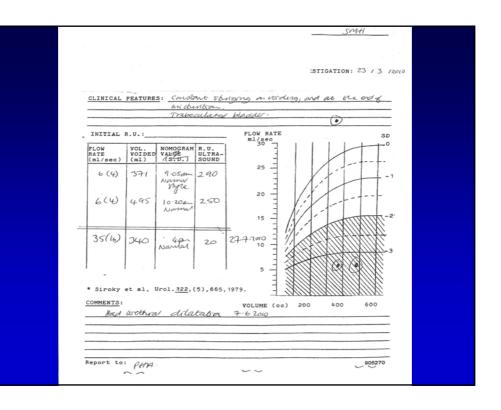


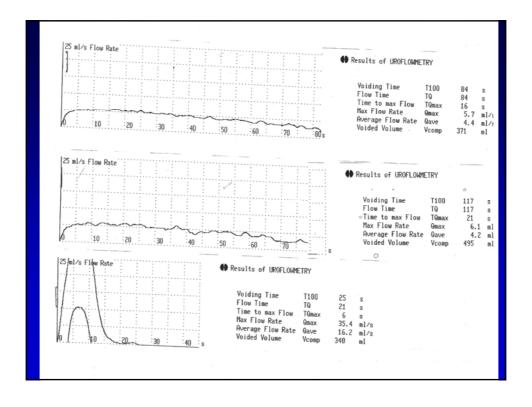
Clinical I	nformation System Suite (CISS)	
Urodynamics *	▼ 🛱 Flow Rates * Done 🔻 🛱 Pad Test 🔻 🛱	
UPP		
VLPP		
Fill		
Void		
Video		
Urine Dipstick Result *	Done ▼ 🔁	
	Negative ▼ Nitrites Negative ▼ Leucocytes Negative ▼ Protein Negative ▼ Negative ▼ Ketones Negative ▼ pH ▼ Specific Gravity ▼	
Flow Rates (1)	Add t	New Flow Rates
Maximum Flow Rate Qmax (1) [ml/sec] *	Volume Voided (1) [ml] *	
Residual Urine (1) [ml] *	Maximum Flow Rate Qmax (2) [ml/sec]	
Volume Voided (2) [ml]	Residual Urine (2) [ml]	
Maximum Flow Rate Qmax (3) [ml/sec]	Volume Voided (3) [ml]	
Residual Urine (3) [ml]		
Average Flow Rate		
FlowPattern	v (f)	



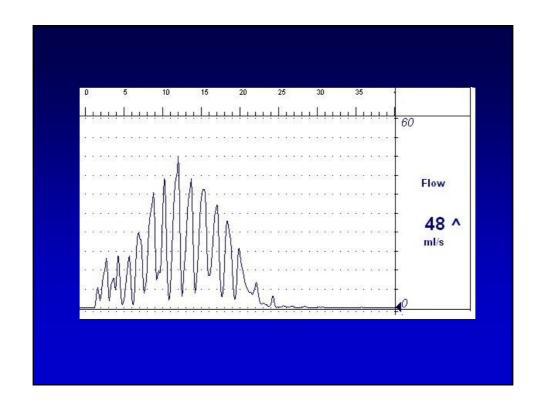


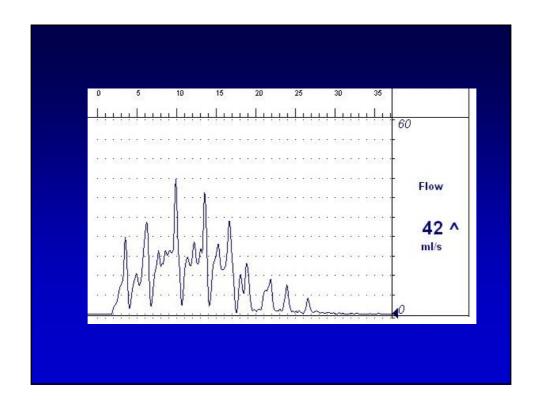






ARTEFACTS





Examples of Completed Bladder Diary

376	Amount	Type	Urine output (mls)	Bladder sensation	Pads	Time					
6am	Amount	Type	(mle)					nks	Urine	Bladder sensation	Pads
1000			(iiiia)	2.5155	\vdash	6am	Amount	Type	(mls)	1.000	
7.30			1000	200						1000	
			150	1		7am WOLE			150	1	
8am			1			8am 36			100	1	
9am			240	1		9am 3℃			200	2	
10am			10.10			1Gam				146	
11am	325	PROE	121.52	Take Co		11am	460 5	١١٢٠	50	0	
Midday			120	1		Midday			1879	15.5450.0	
1pm d	Aun Si	UKIF				1pm			-12860	y-344	
2nm ·	222	Cake	or Salarite	Sections		2pm	250	4514	50	1/9	30)
3pm	20		- 52.30		\vdash	3pm			00	1	
4pm	32050	LASIC	1996	188	\Box	4pm	34000	Suff	70	1	_
5pm			190	1		5pm	7-0		70	1	
6pm	33n	deka	, , ,	1		6pm			100-		
7pm	~	<u> </u>	38.4	Milit		7pm			50	1	
8pm			200	31		8pm			SR 10 16	21-100	
9pm				S R		9pm ⊘e	D		50	0	
10pm			100	1		10pm			300	1.226	
11pm	A00,50	NASK.	- 10%	10/32		11pm			110	1	
drigit			48918	15/2/20		Midnight			and the	and the same of	
1am ₃₀			120	1		1am			150	1	
2am		-	1000	3.50		2am			Sec.	13/06	
3am			250	1		3am			200	1	
4am			2.00	4000		4am			1000	3882	
5am	_		50	1		5am			350	1	

Amount Type	DITT &	AY 2		5		120			DAY 3			1/2	0110	
Amount Type	Time	ne		Drinks					Time	Dri	nks			Pads
Tam Fam			Amou	nt Typ			sensation			Amount	Type		sensation	
7am	6am	m				18.	35/63		6am				95,50	
9am 10am So CUP ÆA 90 I 11am 20 GLASS JATÆR I 40 I 12am 12am 20 GLASS JATÆR I 70 I 14am 20 GLASS JATÆ	7am	m							7am				-	
9am 10am So Cup EA 90 1 11am 20 GLASS LATER 140 1 3pm 20 GLASS LATER 170 1 3pm 20 GLASS LATER 170 1 4pm 20 GLASS LATER 170 1 4pm 20 GLASS LATER 130 1 5pm 6pm 30 GLASS LATER 140 1 5pm 8pm 50 Cup Cuffee 130 1 9pm 0 Cup Cuffee 130 1 9pm 0 Cup Cuffee 130 1 11pm 5 GLASS LATER 140 1 11pm 6 GLASS LATER 170 1	Bam	m _{v=}			1,	0.0	,		8am 10			110	1	
Tiam Cur Pen Tiam Cur Pen Tiam Cur Pen Tiam Cur Pen Tiam Tiam Cur Pen Tiam Tiam Tiam Cur Tiam	9am	m		_	1	-10			9am			110	-	
11am 20 GLASS LAVER 140	10am 50	am So		2 /= 1	-	20			10am	_	-			
Moday Tom To	11am	am	ш	ren	+	40			11am2o	FIATE	1.000		1111111111	_
200 200	Midday	iday	-					-		Gruz2	WHEN	140	e les	
2pm 120 0 2pm 2 cuts 16A 270 1 3pm 2 cuts 16A 270 1 3pm 20 4pm 20	40	40	Cur	COFFE	1 3	110	_			-	-		100	
3pm 20 GLASS LAVER 100 3pm 20 GLASS LAVER 170 1 4pm 20 GLASS LAVER 100 4pm 20 CLAP CAFFEE 130 1 4pm 20 CLAP CAFFEE 130			-	+	7								773399	
40m 20 GLASS LIVER 1CO 1 40m 20 GLASS LIVER 170 1 50m 50m 30 GLASS LIVER 140 1 50m 70m 70m 70m 70m 70m 80m 50 CLIP CLIPE 110 1 80m 50 CLIP CLIPE 130 1 90m 100m 100m 110m 6LASS LIVER 170 1 110m 6LASS LIVER 170 1 110m 6LASS LIVER 170 1			-	_	11	20	0			_	_	-	11	
50m 50m 50m 50m 50m 50m 50m 60m 30 GHASS WATER 140 1 50m					1						WATER	170	1	
6pm 3α GLASS LINER 14Ω 1 5pm 3α GLAP (EA 16Ω 1 1 5pm 3α GLAP (EA 16Ω 1 1 7pm 7pm 1 7pm 1 7pm 1			GUS	s while	1 3	00	- 1			Cup	COFFEE	130	1	
7pm						4.5						100		
8pm SO CUP CUPFEE 110 1 8pm CUP CUPFEE 130 1 9pm 10pm 10pm 11pm IS GLASS CLARE 110 1 11pm GLASS CLARE 170 1			GLAS	S WATE	2 1	40	. 1			Cur	1EA	160	-1	
9pm 9pm 2017 CCFFE 500 1 10pm 10pm 10pm 10pm 10pm 11pm 64AS 64AS 64AE 170 1						107			7pm				2000	
9pm 9pm 9pm CuP 1EA 140 10pm 10pm 10pm 10pm 10pm 10pm 10pm Grass Capacity 170 11pm Grass Capacity 170 11pm 170 1	8pm So	m So	Cuf	COFFE	E 11	10	1		8pm	Cup	CUFFEE	130	1	
10pm 10pm 10pm 10pm 11pm 6 GLASS WARE 110 1 11pm 6 GLASS GLAVE 170 1	9pm	m			2		200		9pm 1 O				1	
GLASS BLICE 1/0	10pm	pm					ATTENDED		10pm					
Midnight Midnight	11pm I5	pm 15	GLAS	Wide	1	10	1		11pm	GLASS	TOMAS	170	1	
	Midnight		-		1		100000		Midnight	01133	Juice	170	-	
1am 1am	1am	n							1am				-	
2am 2am	2am	70		_			100		2am			Shell !	2000	
3am 3am	3am	73		+					3am				100	
4am 4am	4am	n .		+						-	-		200	
5am Sam				_	-					-	-		-	
Sam							909		bam			1		

Time	DATE: _	nks	Urine output	Bladder sensation	Pads	Time	Drinks		Urine	6 Bladder	Pads
	Amount		(mls)				Amount	Type	output (mls)	sensation	
6am	100	WATER	€ 500	3		6am				\$21 X 2	
7am			200			7am	200	TEA	375	3	
8am	200	TEN		12.0		8am			1000		
9am			150	2		9am	200	Ten	4 01-25	Resorted	
10am	200	TERA	3.4			10am	200	TEA	300	3	
11am	200		300	3		11am			0.00		
Midday	200	1200		1800		Midday	200	100	1000	To See also	
1pm	100	WOTE	2	1838		1pm		, -	Tours.	2000	
2pm			400	3		2pm			- Lucia	Section 1	
3pm			-	200		3pm	200	TEA	7-3	50.00	
4pm	200	TER		55 (A)		4pm	200	TEN	300	3	
5pm			Print	200		5pm		700	NAME OF		
6pm	200	TEX	300	3	-	6pm	200	TEX	Carrotta		
7pm			SHIPE I			7pm	-	10-	200	3	
8pm	2-00	TEA	2628	100.10		8pm	330	DIET	200		
9pm						9pm	200	TEM	300	3	
10pm			2015	18 S		10pm		7227	100		
11pm	200	TEA	300	3		11pm	550	BOER		5.15.70	
Midnight		-	130/915	200		Midnight	550	BEER	A 3 34		
1am			732	55 E-179		1am			200	3	
2am			59.32	10.038		2am			NA.	66000	
3am			0.000	251650		3am			75.75	000	
4am			0.000	90330		4am				100	
5am			1000	100000		5am					
0 - No ser for "social 1 - Norm 2 - Urger toilet 3 - Urger	reasons" all desire to cy but it ha	pass urin d passed naged to g	e and no un away befor	, but passed gency re you went t let, still with		6AM			350	3	

BLADD	ER DIAR	Y	YOUR	NAME: _							- 1	
DAY 2	DATE:					DAY 3	DATE:	1	/			
Time		nks	Urine output	Bladder sensation	Pads	Time	Dri	nks	Urine	Bladder sensation	Pads	
6am	Amount	Type	(mls)	100		6am	Amount	Type	(mls)			
7am	-	8 45	200	/			6.26		100	1		
	O.F.	7.40	100	1		7am						
8am	9.450 WAKE	r	100	1			&:30	L.	100	1		
9am		930	50	1		9am Ant	9-15	320	100	/		
10am	10.20	330	25	1		10am	1835	water 330	25	1		
11am	12.45	320	200	1,		11am	10 3 5 11 15 11 15 11 15 11 15 11 15 11 15	wells	500	1		
Midday	12.06		26	1,		Midday	//30	320	700	1		
1pm	1246		75	1		1pm	12.25	257.0	20	1		
2pm	2.46		50	1		2pm	2.25		90	1		
3pm	3 .50	230	50	1		3pm	3 76	Coffee 320	90	1		
4pm	406	wite	50	1		4pm Perl	64.70	326	100	1	- 1	
5pm	7-30	fat chasig	80			5pm	425		100	1		
6pm	635	320	100	1,		6pm	6:30		200	1	_	
7pm	7:20	320	100	1	-	7pm W	7.53	walls	60	1	-	
8pm	8.00		100	1	-	8pm	7:35	333	100	/	-Ç	
9pm			100	1	-	9pm	4.30		100	,	_	
10pm	10:15	Bed	100	1	-	10pm/Se/		/	700	,	_	
11pm	10:15	_	190	4	-	11pm	11.65		200	/	_	
Midnight	11.30		50	1	_						4.0	
1am	12:10		25	1	-	1am	12.05		100	/		
2am	2-30		//0	,	_		2.10		210	,		
3am		_				2am	2.15		100			
	Lp. 10		210	,		3am	3-40		200	1		
4am	7.11			,		4am				1		
5am			90	1		5am	J 115		200	/		
0 - No se for "socia 1 - Norm 2 - Urger toilet 3 - Urger urgency,	I reasons" ial desire to ncy but it h ncy but ma but did not	peeding to pass uring ad passed naged to leak uring	ine and no u d away befo get to the to e	e, but passed argency are you went to silet, still with at in time so y	o the							

Thank You!
Any Questions?