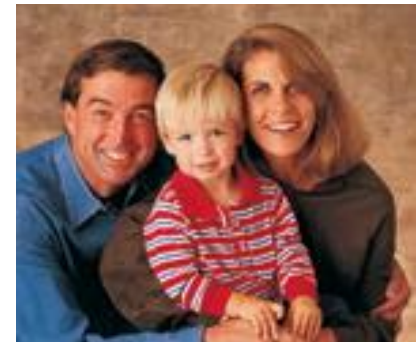




IPDC Annual Report 2008



Iowa Drug Donation Repository



Drug Donation Repository Update

2007 Data

2008 Data

Clinics

Number of Donating Pharmacies

Medication Distribution

Examples of Savings

Drake Students

2009 Initiative

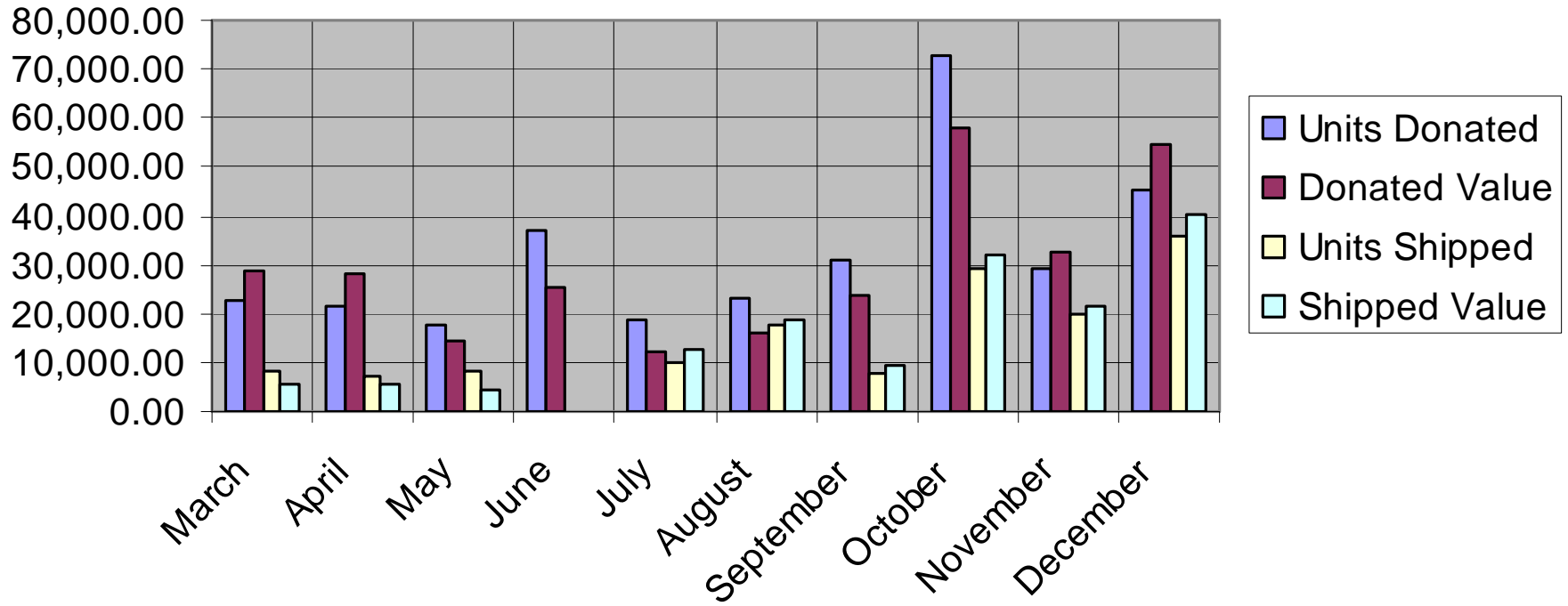
State Comparison of Drug Donation Repository Programs

Survey Results



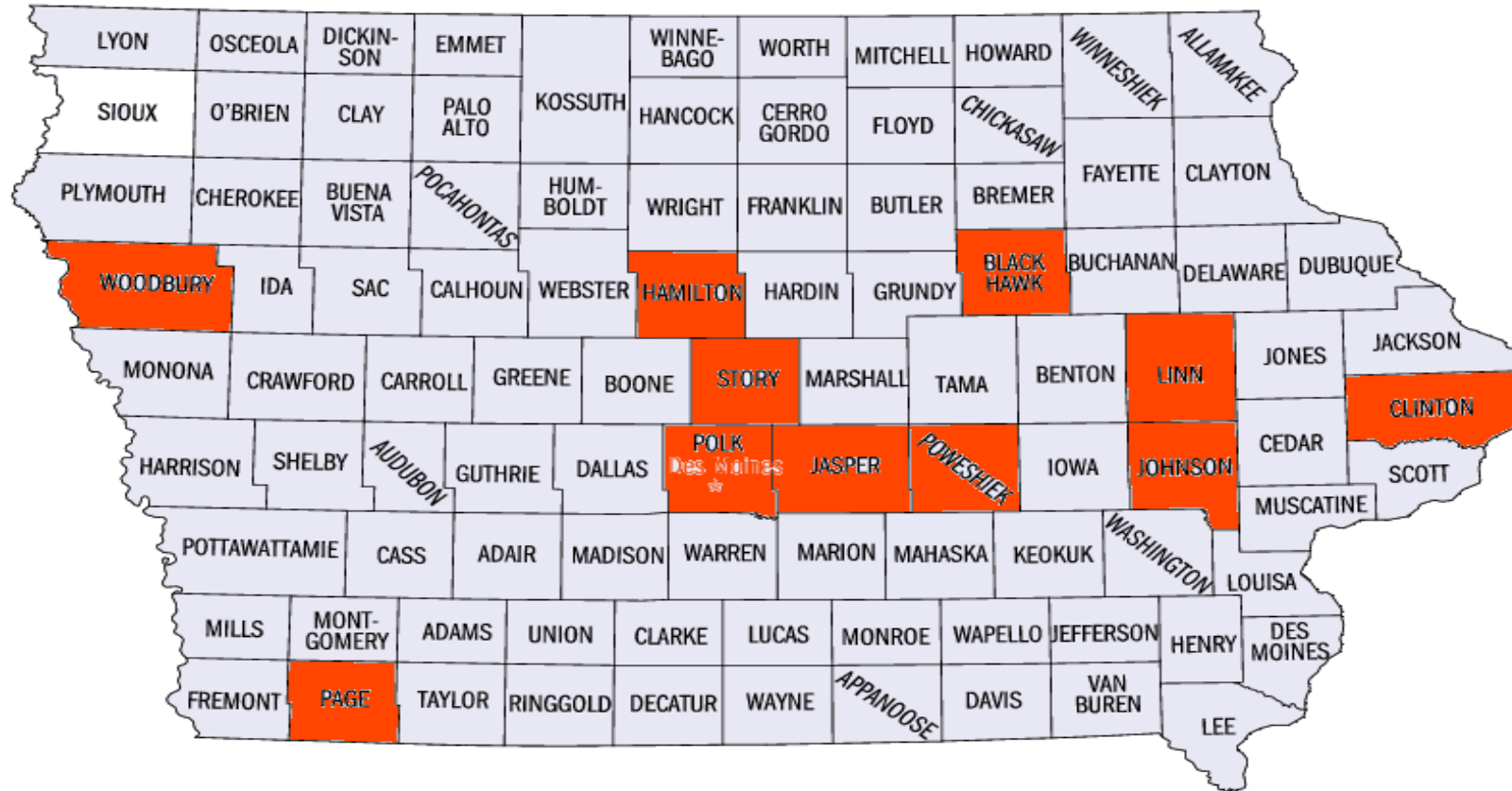
2007 Data

Monthly Activity



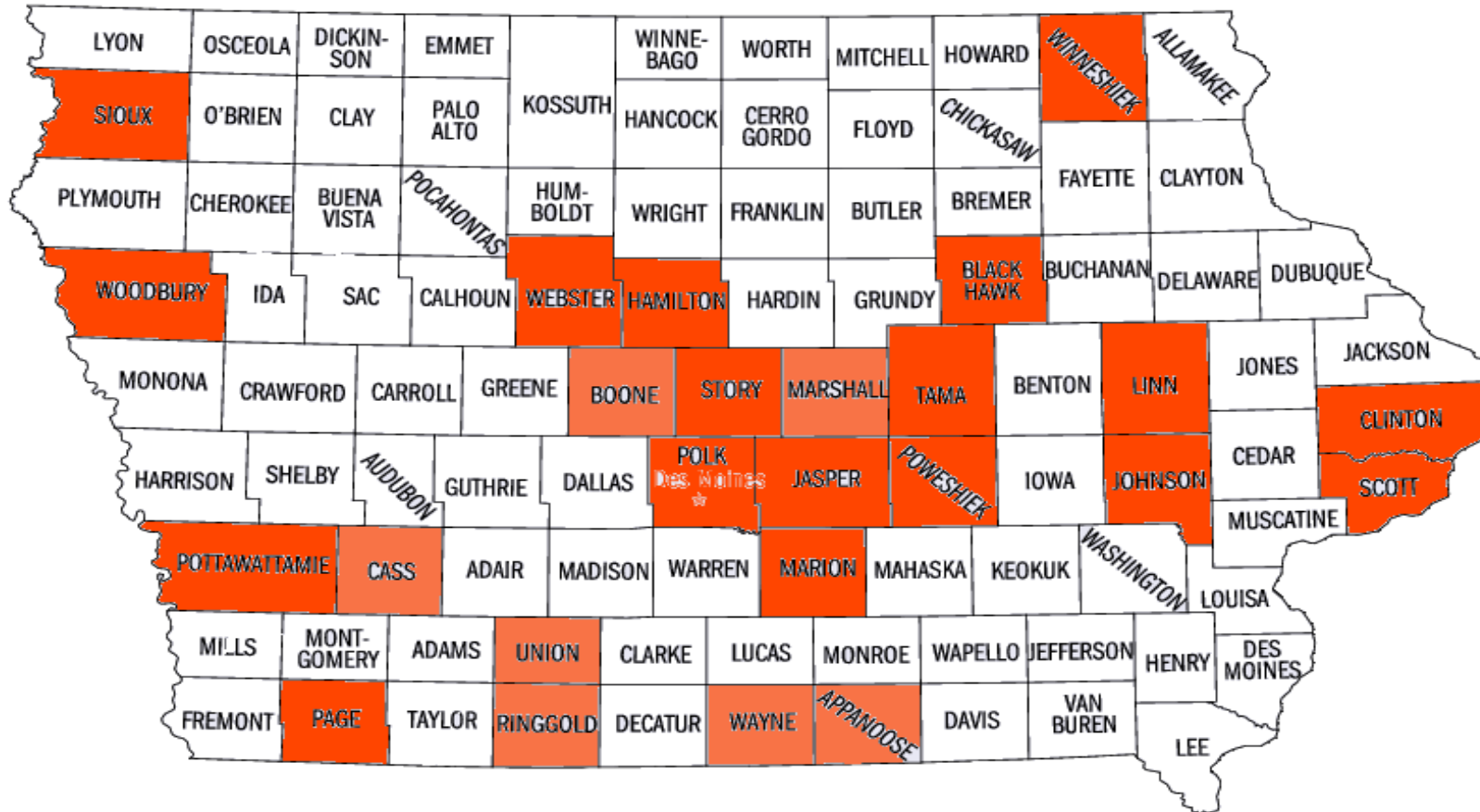
	Units Donated	Donated Value	Units Shipped	Shipped Value
Total	318,427	\$292,773.87	143,232.50	\$150,574.78

Repositories 2007



Repositories in Eleven Counties

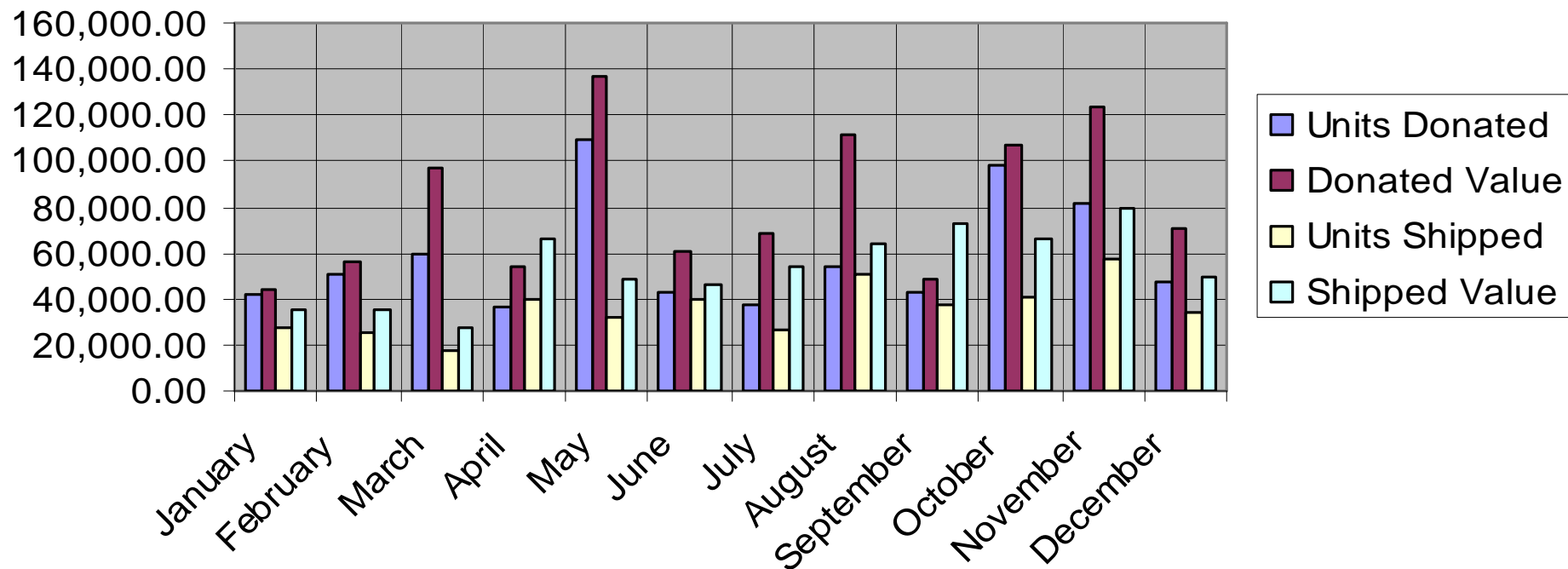
11 to 25 Counties



	2007	1 st Qtr 2008	2 nd Qtr 2008	3 rd Qtr 2008	4 th Qtr 2008	2008
# of Patients	780	496	628	653	1,173	3,011
Units Dispensed	42,542.5	25,643	37,108	66,692	85,165	220,753

2008 Data

Monthly Activity



	Units Donated	Donated Value	Units Shipped	Shipped Value
Total	701,726	\$977,378.50	440,938.5	\$659,412.72
Avg Cost/Unit		\$1.39		\$1.52

2008

Clinic	Medication Received	Medication Dispensed	Patients Served
Ames Free Clinic	13,887	7,267	102
Center for Liver Disease	1,713	No Info	
Chest, Infectious Disease	240.5	2	1
Community Access Pharmacy	9,105	3,571	110
Community & Family Resources	3,056	773	14
Community Health Care Pharmacy	1,378	No Info	
Community Health Free Clinic	10,230	2,621	195
Council Bluffs Community Health	11,048	118	2
Decorah Community Free Clinic	7,727.5	1,088	43
Deer Creek Family Care	865	84	1
Dr. Ben Collins	4,657	4,657	18
Drake Student Health Center	2,000	94	6
Freedom Pharmacy	2,347.5	5,749	39
Gateway Free Clinic	29,047	5,235.5	122
Good Samaritan Free Clinic	867	No Info	
Grandview Student Health Center	3,047	273	16

Clinic	Medication Received	Medication Dispensed	Patients Served
Greater Sioux CHC	8,384	1,040.5	13
Grinnell Community Care Clinic	4,801	886	22
Heart & Hands Health Center	18,518.5	14,455	47
His Hands Free Medical Clinic	1,549.5	409	22
Iowa City Free Medical Clinic	12,019	8,293	143
Iowa Heart Center	23,762	11,685	100
Iowa Kidney Physicians	61,168	54,362	86
Jasper County Free Clinic	12,162	2,499	89
Jennie Edmundson Hospital	58	58	1
Jubilee Community Health Clinic	4,055	740	24
LaClinica de la Esperanza	31,983.5	13,957	285
Madison County Hospital	24	24	1
Mae Davis Free Medical Clinic	5,945.5	395	12
Medical Oncology & Hematology	468	No Info	
Mercy Internal Medicine (Dr. Septer)	924	924	1
Mercy Outpatient Pharmacy	4,714.5	120	1
Mercy Ruan Neurology	130	130	1

Clinic	Medication Received	Medication Dispensed	Patients Served
Nevada Medical Clinic	3,722	500	13
Nevada Medical Clinic – Maxwell	3,168.5	No Info	
Nevada Medical Clinic – Slater	147	No Info	
Nevada Medical Clinic – Zearing	3,131	768	19
Nodaway Valley Free Clinic	7,773.5	2,191	71
Norwoodville Free Clinic	2,186.5	No Info	
Peoples Clinic Pharmacy	40,241.5	8,039	95
Proteus Migrant Health	309	No Info	
Siouxland CHC	28,362.5	24,092	297
Van Hemert Health Partner	1,365.5	900	6
Webster City Free Medical Clinic	52,082.5	42,335	842
Total	440,938.5	220,753	3,011

14 Disease States Medications Shipped 2008

(Medication listed is not an exhaustive list of medication shipped to local repositories)

Therapeutic Class	Item Name	Quan	Sell Price	Price Exten	
Analgesics	Acetaminophen 500MG (Tylenol)	6,292	0.02	125.84	
	Tramadol 50MG (Ultram)	5,788	0.53	3,067.64	
	Acetaminophen 325MG (Tylenol)	3,376	0.01	33.76	
	Ibuprofen 600MG (Motrin)	2,598	0.11	285.78	
	Ibuprofen 800MG (Motrin)	2,519	0.12	302.28	
	Total for Analgesics		38,046		14,799.64
Anti-Nausea Meds	Meclizine 25MG	1,012	0.13	131.56	
	Meclizine 12.5MG	451	0.08	36.08	
	Prochlorperazine 10MG	343	0.4	137.2	
	Promethazine 25MG	305	0.31	94.55	
	Total for Anti-Nausea Meds		2,759		11,355.5
Anti-Seizure Meds	Gabapentin 300MG	4,246	0.63	2,674.98	
	Gabapentin 100MG	2,599	0.39	1,013.61	
	Phenytoin Sodium Extended 100MG	2,307	0.2	461.4	
	Gabapentin 600MG	1,662	1.00	1662	
	Depakote ER 500MG (24HR)	1,636	2.24	3,664.64	
	Keppra 500MG	1,233	2.53	3,119.49	
	Depakote 250MG	798	2.7	2154.6	
	Carbamazepine 200MG	705	0.18	126.9	
	Lamictal 25MG	621	3.59	2,229.39	
	Dilantin ER 100MG (24HR)	536	0.39	209.04	
	Total for Anti-Seizure Meds		21,974		31,920.84

Therapeutic Class	Item Name	Quan	Sell Price	Price Exten
Antibiotics	Amoxicillin 500MG (Amoxil)	3,761	0.19	714.59
	Cephalexin 500MG (Keflex)	3,523	0.26	915.98
	Ciprofloxacin 500MG (Cipro)	3,368	4.01	13,505.68
	Sulfamethoxazole/Trimethoprim DS 800/160MG	2,795	0.3	838.5
	Doxycycline Hyclate 100MG	2,268	0.37	839.16
	Penicillin V Potassium 500MG	1,720	0.19	326.8
	Clindamycin 150MG (Cleocin)	1,232	0.78	960.96
	Amoxicillin/Potassium Clavulanate 875/125MG (Augmentin)	1,194	3.58	4,274.52
	Amoxicillin 250MG (Amoxil)	1,176	0.16	188.16
	Ciprofloxacin 250MG (Cipro)	1,164	3.64	4,236.96
	Metronidazole 500MG	814	0.31	252.34
	Levaquin 500MG	715	10.55	7,543.25
	Total for Antibiotics	29,619		57,703.14
Antidepressant Meds	Lexapro 10MG	3,744	2.33	8,723.52
	Fluoxetine 20MG	2,298	0.26	597.48
	Cymbalta 60MG	1,883	3.67	6,910.61
	Trazodone 100MG	1,851	0.25	462.75
	Citalopram 20MG (Celexa)	1,772	0.99	1,754.28
	Amitriptyline 25MG (Elavil)	1,735	0.12	208.2
	Cymbalta 30MG	1,714	3.65	6,256.1
	Lexapro 20MG	1,659	2.46	4,081.14
	Amitriptyline 50MG (Elavil)	1,563	0.08	125.04
	Paroxetine 20MG	1,548	1.01	1,563.48
	Total for Antidepressant Meds	36,138		57,327.27

Therapeutic Class	Item Name	Quan	Sell Price	Price Exten	
Antihypertensive Meds	Amlodipine 5MG (Norvasc)	4,775	1.43	6,828.25	
	Lisinopril 20MG	4,143	0.37	1,532.91	
	Metoprolol Succinate 50MG ER (24HR)	2,891	0.82	2,370.62	
	Atenolol 50MG (Tenormin)	2,889	0.12	346.68	
	Metoprolol Tartrate 50MG	2,681	0.20	536.2	
	Lisinopril 10MG	2,589	0.53	1,372.17	
	Amlodipine 10MG (Norvasc)	2,574	1.93	4,967.82	
	Clonidine 0.1MG	2,568	0.11	282.48	
	Atenolol 25MG (Tenormin)	2,207	0.09	198.63	
	Metoprolol Tartrate 100MG	1,941	0.13	252.33	
	Total for Antihypertensive Meds	71,740		60,554.07	
	Antipsychotic Meds	Seroquel 50MG	2,971	3.18	9,447.78
		Seroquel 25MG	2,909	1.91	5,556.19
Seroquel 100MG		2,041	3.23	6,592.43	
Seroquel 200MG		1,022	6.05	6,183.1	
Abilify 5MG		743	11.05	8,210.15	
Zyprexa 5MG		666	7.18	4,781.88	
Seroquel 300MG		645	8.35	5,385.75	
Risperdal 2MG		542	6.16	3,338.72	
Abilify 10MG		432	11.47	4,955.04	
Lithium 300MG		389	0.18	70.02	
Total for Antipsychotic Meds		16,649		90,576.84	

Therapeutic Class	Item Name	Quan	Sell Price	Price Exten
Asthma/COPD Meds	Albuterol 0.083% (2.5 MG/3ML) Unit Dose Vial	1,875	0.75	1,406.25
	Ipratropium/Albuterol 0.5MG/3MG UD Vial (3mL) (Duoneb)	960	2.98	2,860.8
	Singulair 10MG	654	3.17	2,073.18
	DuoNeb 2.5-0.5MG/3ML Unit dose vial	450	0.8	360
	Total for Asthma/COPD Meds	6,095		34,128.92
Blood Modifiers	Warfarin Sodium 5MG	3,393	0.52	1,764.36
	Plavix 75MG	2,230	4.12	9,187.6
	Warfarin Sodium 1MG	1,794	0.34	609.96
	Warfarin Sodium 2MG	1,647	0.49	807.03
	Aggrenox 25/200MG	781	2.33	1,819.73
	Total for Blood Modifiers	13,324		30,056.36
Cholesterol-Lowering Agents	Simvastatin 40MG (Zocor)	3,750	1.22	4,575
	Niaspan 500MG	1,870	1.94	3,627.8
	Simvastatin 20MG (Zocor)	1,842	0.84	1,547.28
	Tricor 145MG	1,606	3.33	5,347.98
	Gemfibrozil 600MG (Lopid)	1,508	0.26	392.08
	Lipitor 20MG	1,130	3.57	4,034.1
	Crestor 10MG	1,026	2.93	3,006.18
	Simvastatin 80MG (Zocor)	914	0.33	301.62
	Lipitor 10MG	813	2.68	2,178.84
	Lipitor 40MG	759	3.59	2,724.81
	Total for Cholesterol-Lowering Agents	20,104		37,792.78

Therapeutic Class	Item Name	Quan	Sell Price	Price Exten
Diabetic Meds	Metformin HCl 500MG (Glucophage)	8,383	0.48	4,023.84
	Metformin HCl 1000MG (Glucophage)	2,378	0.76	1,807.28
	GlyBURIDE 5MG (Diabeta)	1,913	0.2	382.6
	Glyburide/Metformin 5/500MG (Glucovance)	1,545	0.75	1,158.75
	Actos 15MG	1,413	3.42	4,832.46
	GlipiZIDE 5MG (Glucotrol)	1,400	0.11	154
	Glimepiride 4MG (Amaryl)	1,284	0.47	603.48
	Actos 30MG	1,210	5.33	6,449.3
	Glimepiride 2MG (Amaryl)	1,194	0.35	417.9
	Actos 45MG	1,094	5.96	6,520.24
	Total for Diabetic Meds	31,543		41,790.6
Diuretics	Furosemide 40MG (Lasix)	6,377	0.09	573.93
	Hydrochlorothiazide 25MG (Esidrex)	5,895	0.06	353.7
	Furosemide 20MG (Lasix)	2,279	0.06	136.74
	Triamterene/Hydrochlorothiazide 37.5/25MG (Dyazide/Maxide)	1,048	0.08	83.84
	Furosemide 80MG (Lasix)	1,005	0.08	80.4
	Total for Diuretics	18,987		2,514.97

Therapeutic Class	Item Name	Quan	Sell Price	Price Exten
Gastrointestinal Meds	Omeprazole 20MG (Prilosec)	11,561	0.66	7,630.26
	Pantoprazole 40MG	2,309	3.61	8,335.49
	Ranitidine 150MG (Zantac)	2,116	0.5	1,058
	Docusate Sodium 100MG (Colace)	1,981	0.09	178.29
	Famotidine 20MG (Pepcid)	1,956	0.56	1,095.36
	Nexium 40MG	1,692	4.39	7,427.88
	Protonix 40MG	1,676	3.76	6,301.76
	Prevacid 30MG	1,445	4.44	6,415.8
	Prilosec OTC 20MG	1,411	0.62	874.82
	Metoclopramide 5MG (Reglan)	1,113	0.17	189.21
	Total for Gastrointestinal Meds	34,261		47,250.19
Renal Meds	PhosLo 667MG	1,609	0.45	724.05
	Renagel 800MG	1,410	1.6	2256
	Renagel 400MG	685	0.96	657.6
	Renal Caps	211	0.21	44.31
	Sensipar 30MG	131	10.27	1,345.37
	Total for Renal Meds	5,432	115.85	12,502.23

January – July 2008

	Schizophrenia	Depression	Seizure
Total Number of Patients	40	45	24
Total Doses	2074	1684	2966
Retail Price	\$8,501.00	\$6481.97	\$1,208.97
Average length of stay	6.5 days	6.5 days	3.5 days
Avg hospital reimbursement	\$141,320.00	\$158,985.00	\$47,520.00

	Warfarin	Thyroid
Total Number of Patients	40	31
Total Doses	2,645	2,238
Retail Price	\$1,775.88	\$667.62
Average length of stay	4.2 days	2.1 days
Avg hospital reimbursement	\$317,960.00	\$197,594.00

These are totals of medications that were dispensed to patients from one site over a six month period. If each patient treated avoided one hospital stay each year due to receiving medications the **savings would total \$863,379.00 and 869 saved hospital days.** (Savings based reimbursement rate)

**Free Clinic – 3 month dispensing report
Actual medication dispensed**

Disease State	Qty Doses	Pts Served	Retail Price
Cholesterol	8	1	\$23.44
Blood Pressure	28	1	\$54.04
	28	1	\$83.16
Blood Modifier	75	3	\$309.00
	53	2	\$37.63
Analgesics	77	2	\$46.97
Antibiotics	5	1	\$68.35
	30	1	\$79.50
	22	1	\$17.16
	30	3	\$120.30
Antiseizure	196	4	\$196.00
Asthma	26	1	\$82.42
Diabetes	100	3	\$67.00
Misc	27	1	\$3.51
Total	705	25	\$1,188.48

The savings in indigent care would total approximately \$32,382.12 and 39 saved hospital days. (Cost is based on billed charge per Iowa Hospital Association)

**Free Clinic – 3 month dispensing report
Actual medication dispensed**

Disease State	Qty Doses	Pts Served	Retail Price
Antibiotic	28	1	\$5.32
	3	1	\$41.01
Antidepressant	46	2	\$164.22
	29	1	\$88.74
	45	2	\$172.35
	35	1	\$127.75
Gastrointestinal	60	2	\$225.60
Antiseizure	62	2	\$39.06
	65	2	\$65.00
Analgesics	29	1	\$98.02
High Blood Pressure	65	2	\$103.35
Total	467	17	\$1,130.42

If each patient was saved one hospital or emergency room visit per disease state, due to increased compliance as a result from receiving these free medications the savings in indigent care would be approximately **\$28,292.02 and approximately 24 saved hospital days.** (Cost is based on billed charge per Iowa Hospital Association)

Physician Clinic (offering home visits)
1 month dispensing period – November 2008

Drug Category	Quantity	Dollar Value
Antihypertensive	248	\$78.88
Antidepressant	68	\$248.20
GI	622	\$293.83
Pain	60	\$359.40
Antihistamine	100	\$11.00
Supplement	118	\$18.88
Overactive Bladder	30	\$87.60
Anitpsychotic	133	\$340.39
Asthma	18	\$26.46
Blood Modifier	59	\$28.92
Total	1456	\$1,493.56

All medications listed above were given to patients (10) that had stopped taking their medications due to lack of ability to purchase them. (Cost is based on billed charge per Iowa Hospital Association)

Hospitalization cost savings

The DDRP recently received 48 Zyvox tablets treatment for Methicillin-Resistant Staphylococcus Aureus (MRSA). Retail cost for this medication is \$78.20 per dose. We contacted the State Health Department to let them know we had these antibiotics available and they posted the information on the Infectious Control Network. We received a request for 24 of these tablets from a clinic in Iowa. We distributed 24 doses with a retail value of \$1876.80 and these antibiotics were made available to a young man who was uninsured and hospitalized. The patient had been hospitalized for 3 days and received IV antibiotics. Without this medication he would have had to remain in the hospital for an additional 10 days and receive additional daily IV antibiotic therapy. Because he received this oral antibiotic he was able to return home, and treat his infection without further hospitalization or IV medications.

IV Medication	\$5,956.50
Hospital days (not including Dr's fees)	\$35,980.00*
* (Cost is based on billed charge per Iowa Hospital Association)	
Total	\$41,936.50

TOTAL SAVINGS DUE TO THE DRUG DONATION REPOSITORY PROGRAM

**10 HOSPITAL DAYS
And \$41,936.50 in Charity Care**



**College of Pharmacy
and Health Sciences**

The Drake University College of Pharmacy
and Health Sciences is ranked in the top 10
of private pharmacy programs.

Drake University College of Pharmacy Students

Dispensing Early Experience

Diversity Service Learning Experience

Dispensing Early Experience

Diversity Service Learning Experience

- Objectives Applicable to Dispensing Early Experience
 - Demonstrate skills in Drug Therapy Problem-Solving, Communication, Product and Service Management, and Professionalism in order to safely and accurately prepare and dispense medication.
 - Compare and contrast pharmacy practice sites
- Objectives Applicable to Diversity Service Learning Introductory Practice Experience
 - Maintain medication closets in clinics: organize medications, re-order and shelf orders
 - Interview patients to obtain chief complaint, social history, medication history, and family health history.
 - Demonstrate ability to accurately take vitals for patient assessment
 - Demonstrate empathy towards the patient and remains non-judgmental towards patient's socioeconomic challenges

Diversity Service Learning Experience

- Gateway Free Clinic---Clinton
- Ames Free Medical Clinic
- Grinnell Regional Care Clinic
- Mae Davis Free Medical Clinic
- Jasper County Free Clinic—Newton
- Proteus Migrant Health

Jasper County Free Clinic

- We are very pleased with our Drake pharmacy student experience! They are great help for us and allow me to schedule only 1 nurse instead of 2 each clinic. Our nursing staff tells me the students are helpful and follow directions well and cheerfully. Having 2 students on "staggered" schedule so that the experienced one can explain our system to the newer one also seems to be working well. I know that having the students organize and keep track of our donated drug inventory has been invaluable!

Ames Free Medical Clinic

- We had a very positive experience with our students. They were always very pleasant, interacting well with both patients and staff. They provided good customer service, being attentive to the needs of physicians, nurses, and patients. They were reliable, hard-working and well-organized. They took the initiative in creating order to our pharmacy supplies and were willing to take on any task presented to them. For the past few weeks they have spent much of their time interviewing patients, taking histories and information about current complaints, documenting medications and allergies, and taking vital signs. They treated our very diverse and somewhat challenging patient population with dignity and compassion. They worked efficiently and effectively. They were aware of their limitations and sought assistance appropriately. It was helpful that they spoke a little Spanish, but they also sought the assistance of our interpreter if the matter was complex and beyond the scope of their Spanish language skills.



In the future.....

University of Iowa College of Pharmacy
representative will be visiting IPDC to see
if we will be chosen to host their students.

Drake University Advanced Practice Experience

- 4th year pharmacy students will be choosing what rotations they would like to participate for their final year of school this January.
- IPDC may have a 40 hour per week student as soon as May.

State Drug Donation Programs

Hawaii – Medicine Bank

Operated by: Hawaii Primary Care Association
(Approved by Dept of Health)

Medication Supplied: Donated Drug Samples

Pro: Successful Operation for 10 years

Con: Prevented Development of 2nd Repository
Limited to Brand Name Drugs

Closed March 31, 2008

West Virginia – WVRx

Operated by: Health Right Free Clinics

(Supported by Government/Heinz Foundation)

Medication Supplied: Donated by Manufacturer – PAP/MAP

(Limited Formulary – Brand)

Pro: Medications Dispensed by Central Pharmacy

Simplified PAP Application Process

Con: \$30/year per person

Mail Order System

Limited to Brand Name Drugs

Wyoming – Medication Donation Program

Operated by: Wyoming Department of Health

Office of Pharmacy Services

Medication Supplied: Private Donations

(LTC and Individuals)

Pro: 4 Individual Donation Sites Statewide

County Centralized Pharmacy

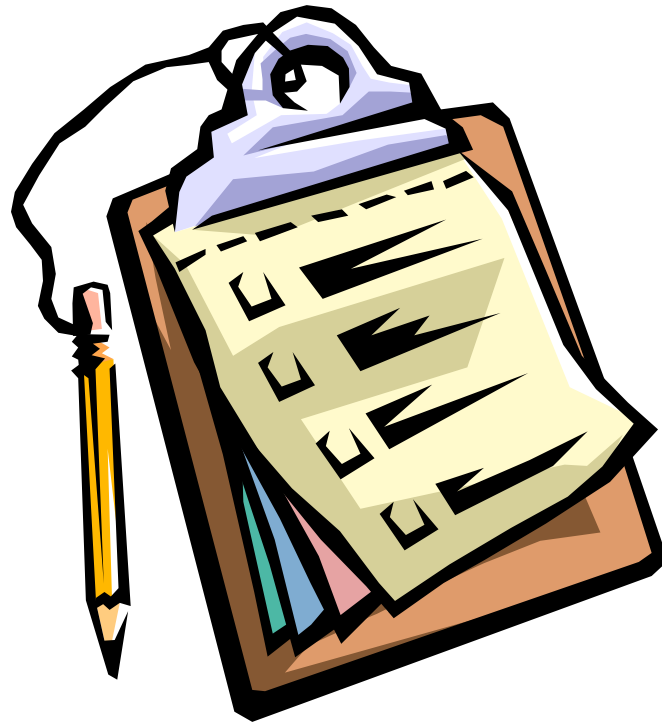
Public Health Office (2)

Family Planning Clinic

Con: Individual Sites not Interconnected

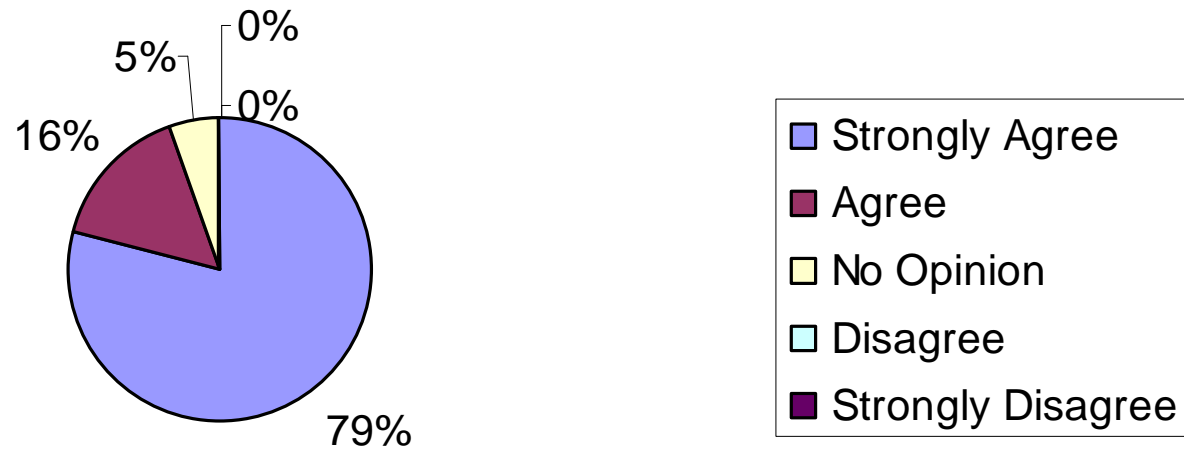
Pharmacist Medication Inspection Not Required

Iowa Drug Donation Repository Survey Results



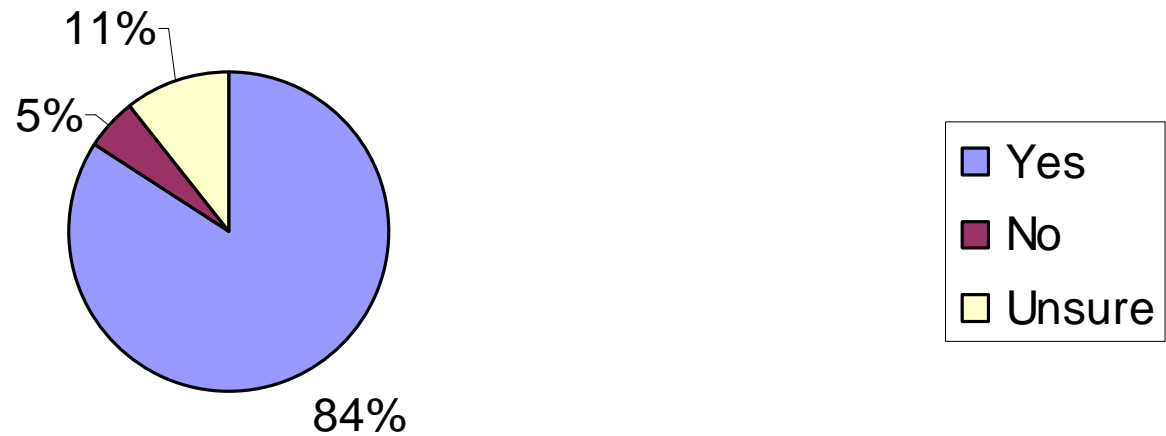
Drug Donation Repository Survey Results

How strongly do you feel that the Iowa Drug Donation Repository provides an important and necessary service for the patients that you see at your clinic.



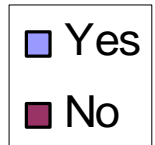
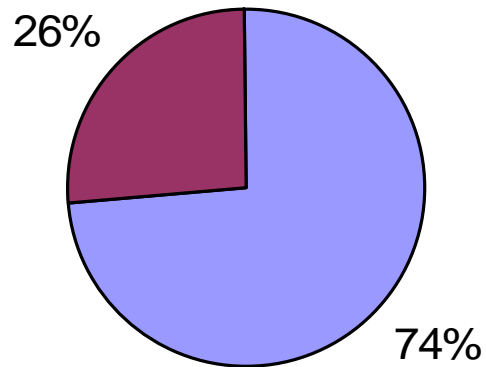
Drug Donation Repository Survey Results

Has the continued availability of donated medications assisted in stabilizing the health of your patients?



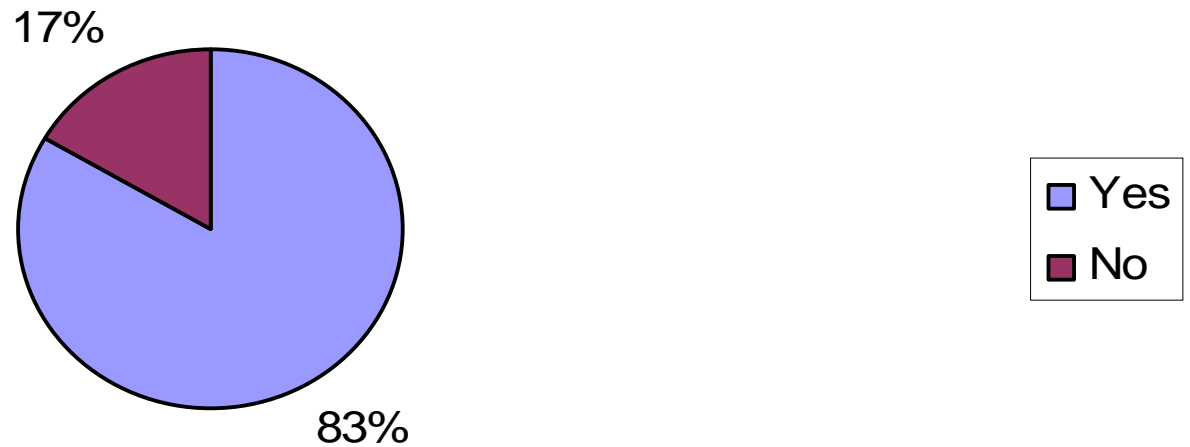
Drug Donation Repository Survey Results

**Are patients returning on a regular basis for refills
of their prescription medications?**



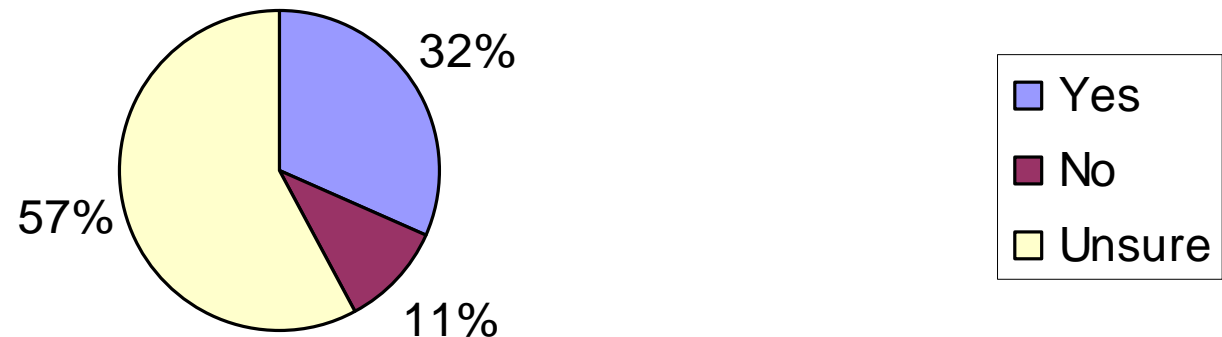
Drug Donation Repository /Survey Results

Are you seeing more clients for chronic conditions that require monthly prescription medications?



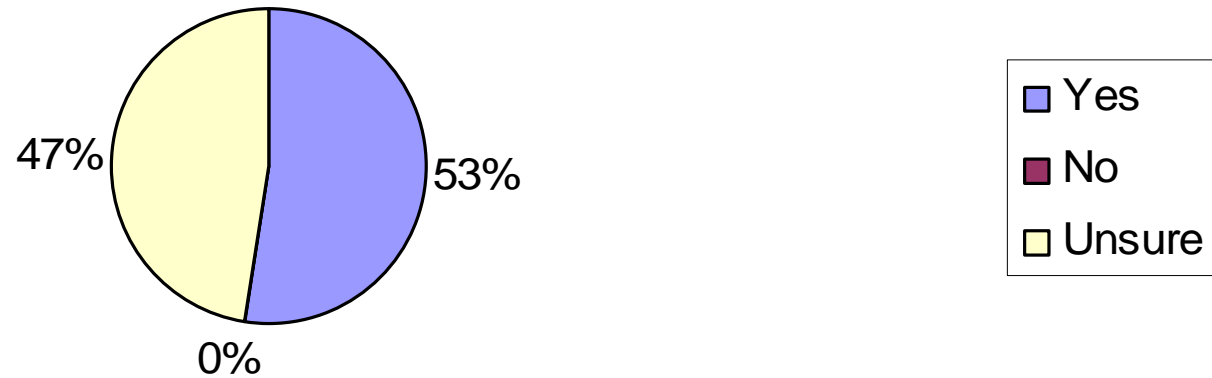
Drug Donation Repository Survey Results

Do you believe that there are fewer hospital admissions because of the availability of donated medications?



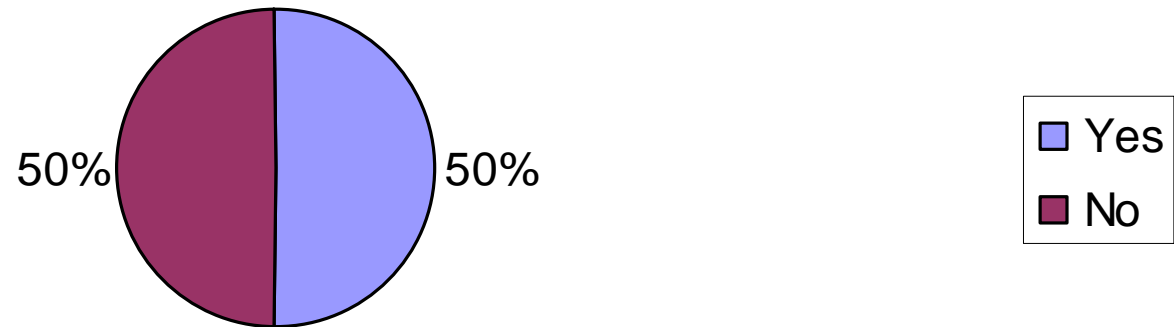
Drug Donation Repository Survey Results

Do you believe that there are fewer emergency room visits because of the availability of donated medications?



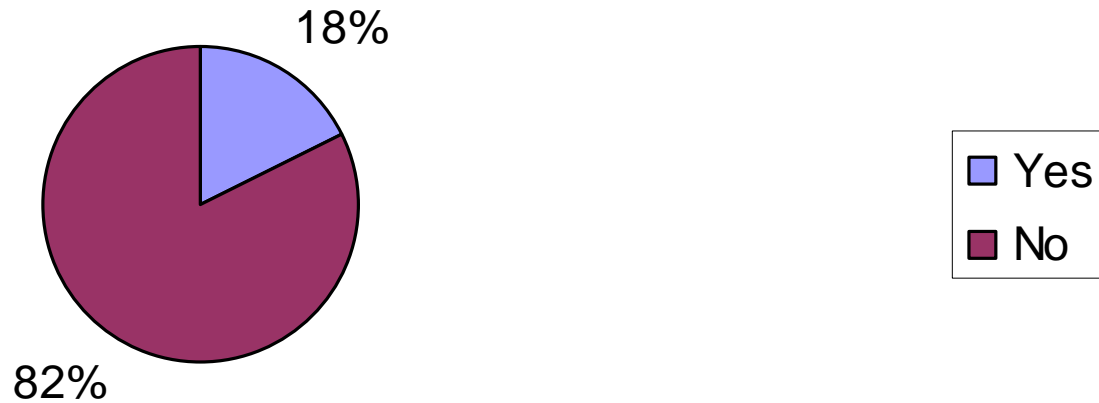
Drug Donation Repository Survey Results

**Does the packaging of the donated medications
create a barrier to their use once sent to your
facility?**



Drug Donation Repository Survey Results

Do any program requirements for participation limit medication use (paperwork, quarterly reporting, bimonthly ordering or medications)?



Drug Donation Repository Survey Results

The best thing about the Iowa Drug Donation Repository is:

- The ability to tell patients, “yes I can help you!”
- If the doctor is looking for expensive medication, we can call you and then you have some for the patient.
- It helps many people who are uninsured. Plus expensive medication is not being wasted.
- The wide selection of medications to choose from and the fact that we can choose.
- Can get an answer on medications we need whenever we call. Service is wonderful.
- Easy to communicate with staff, with quick response. It is a great program that helps with medication so they can be healthy and compliant with their medication.
- Bridge for patients until enrolled into Patient Assistance Program.

My wish for future enhancements to the Iowa Drug Donation Repository is:

- Better packaging, some way to dispose of expired medications.
- Some cards don't have the NDC listed on it, we double check with the NDC and without it, it slows us down.
- Ability to state ongoing supply needed so we could count on repeat deliveries and only fill out form/request one time per year – then just deliver those medications monthly.
- Create computer software for tracking medications.
- Would be good if need comes up between two month ordering to order a medication needed.
- Would like to know how many of each medication that can be ordered.

Drug Donation Repository Survey Results

Please tell us where the Iowa Drug Donation Repository can improve:

- Better packaging of the medications.
- Monthly ordering, better tracking sheet.
- Would like to know available quantities of medications to help decide ordering quantities.

Any other comments or feedback:

Good job, keep on going

On-line ordering works very well

In our first six months in the program, we most often use the medications for episodic/acute or initiation prescriptions. Will see if it works for us to supply long-term medications.

Our patients who are receiving medications from the program are always praising it thanking you.

Wonderful staffing, we have received many drugs that have helped all us in various ways.

Cannot use high cost on-going medications because patients cannot afford to continue them unless available through patient assistance programs.

Every time I can with questions, everyone is so helpful.

