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Briefing Report to the Chairman, Committee on Labor and Human Resources, U.S. Senate

February 1991

# **OFF-LABEL DRUGS**

# Initial Results of a National Survey





GAO/PEMD-91-12BR



# GAO

## United States General Accounting Office Washington, D.C. 20548

Program Evaluation and Methodology Division

B-242851

February 25, 1991

The Honorable Edward M. Kennedy Chairman, Committee on Labor and Human Resources United States Senate

Dear Mr. Chairman:

In September 1989, you asked us to conduct a study on reimbursement denials by health insurers for off-label drug use. As you know, the Food and Drug Administration designates the specific clinical indications for which a drug has been proven effective on a label insert for each approved drug. "Off-label" drug use occurs when physicians prescribe a drug for clinical indications other than those listed on the label.

In response to your request, we surveyed a nationally representative sample of oncologists to determine:

- the prevalence of off-label use of anticancer drugs by oncologists and how use varies by clinical, demographic, and geographic factors;
- the extent to which third-party payers (for example, Medicare intermediaries, private health insurers) are denying payment for such use; and
- whether the policies of third-party payers are influencing the treatment of cancer patients.

We randomly selected 1,470 members of the American Society of Clinical Oncologists and sent them our survey in March 1990. The sampling was structured to ensure that our results would be generalizable both to the nation and to the 11 states with the largest number of oncologists. Our response rate was 56 percent, and a comparison of respondents to nonrespondents shows no noteworthy differences between the two groups.

We have briefed your staff on the results of our survey. Subsequently, it was agreed that the data from our survey should be made publicly available as quickly as possible so that they can be used in policy formulation efforts at the Department of Health and Human Services and at private health insurance firms. Toward that end, we have reprinted our survey instrument and provided the responses in summary form (see appendix I). We are currently completing our analysis of the responses and expect to forward a fully detailed report to you shortly.

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We are sending copies of the survey responses to officials at the Food and Drug Administration, the Health Care Financing Administration, and the National Cancer Institute. We also will make copies available to pharmaceutical manufacturers, health insurers, and other interested parties upon their request.

If you have any questions or would like additional information, please call me at (202) 275-1854 or Robert L. York, Acting Director for Program Evaluation in Human Services Areas, at (202) 275-5885. Other major contributors to this report are listed in appendix II.

Sincerely yours,

Elan Chlis

Eleanor Chelimsky Assistant Comptroller General

GAO/PEMD-91-12BR Initial Off-Label Survey Results

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# Appendix I Survey Results

On the pages that follow, we have reproduced the questionnaire mailed to a random sample of the membership of the American Society of Clinical Oncology in March 1990. For each response category, we provide the number (or percent) of respondents that selected that response. The one exception is for questions from the patient-based portion of the questionnaire. The questionnaire requested information for three specific patients being treated by the respondent and was structured so that questions 1 through 11 dealt with the first patient, questions 12 through 21 with the second, and questions 22 through 31 with the third. In presenting the responses, we have summed across all patients (for example, 55 percent of all patients were female, not 55 percent of the first patients described by physicians). Consequently, questions numbered 12 through 31 do not appear in our report.

A total of 1,470 questionnaires were mailed and 680 responses were received. After adjusting for legitimate nonrespondents (for example, individuals who do not treat patients, who have retired, who do not use chemotherapy), the response rate was 56 percent.



reimbursement problems as they relate to off-label anticancer drug use and the potential effects these problems might have on the therapies given to cancer patients. This questionnaire is part of a national survey of

oncologists and hematologists in private practice. Its purpose is to obtain information from which to determine the prevalence of off-label anticancer drug use; how off-label drug use varies by patient characteristics, indication, and therapeutic intent; the extent to which reimbursements are denied for off-label drug use; and the extent to which reimbursement problems have caused doctors to alter the way they treat their cancer patients. GAO is primarily interested in the use of anticancer drugs that are approved for marketing rather than those which are classified as investigational or Schedule C drugs.

**INSTRUCTIONS:** This questionnaire is divided into three parts and should be completed by the doctor, with the possible assistance of an office or insurance manager for Part III. The questionnaire should take about 35 minutes to complete. Although it may appear long, it is primarily composed of questions that ask you to check the drugs you frequently use in treating different types of cancer from a common list of drugs prepared by GAO.

In order to answer these patient-based questions, you may want to have your receptionist pull the charts on these last three patients.

Please return the completed questionnaire in the enclosed preaddressed envelope within two weeks. If more than one doctor in a group practice receives a questionnaire, we request that each doctor respond separately.

**RESULTS:** Responses from all questionnaires will be aggregated for analysis and therefore no response will ever be associated with a particular practice or individual. The final report will provide objective information about this issue for congressional review and for the use of interested parties.

Thank you for your timely response. If you have any questions about the questionnaire, please call Tom Laetz at (303) 844-0082.

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PART 1: PATIENT CHARACTERISTICS AND PRE The first part of the questionnaire solicits responses to que single drug or combination cytotoxic therapies. For each about the patient, the disease characteristics, and the antic	estions about Datient, you	(Questions 1 to 31) the last three patients for which you prescribed will be asked to provide background information
<ol> <li>Which of the following professions most closely matches your current position with this office? (Check one)</li> </ol>	5. Wha	t is the primary site of the cancer in this patient? ck one)
	2.1%	Bladder
1.2% Hematologist	1.6%	Bone and connective tissue
54.2% Hematologist/Oncologist	2.3%	Brain
5.9% Gynecologic or urologic oncologist	21.0%	Breast
29.7% Medical oncologist	1.2%	Cervix
4.5% Surgical oncologist	13.9%	Colorectal
4.5% Other, please specify:	2.2%	Head or neck
100.0% n=666	2.2%	Kidney
2. In what age group does this patient belong? (Check one)	0.4%	•
	12.6%	Lung
7.1% Under 20 years old	1.3%	Pancreas
26.5% 21 to 50 years old		Prostate
24.1% 51 to 60 years old	6.9%	Ovary
27.5% 61 to 70 years old	1.4%	Skin
13.4% 71 to 80 years old	1.7%	Stomach
1.4% Over 80 years old 100.0% $n = 2014$	1.3%	Testis
	0.1%	Thyroid
3. What is the sex of this patient?	1.2%	Uterus
55.3% Female	5.0%	Other, please specify: (12 sites)
44.7% Male	19.0%	Not applicable, i.e., hematologic malignancies
100.0% n = 2019	19.08	0.5% Leukemia
<ul> <li>4. Is the therapy for this patient being provided as part of a research study? (Check one)</li> <li>22.8% Yes</li> <li>77.2% No</li> <li>100.0% n = 2009</li> </ul>		2.2% ALL 1.9% ANLL 1.1% CLL 0.5% CML 0.5% Lymphoma 2.8% Hodgkins disease 6.9% Non-Hodgkins disease 2.6% Other n = 2018

6. What is the stage of the cancer in this patient? (Check one)

- 0.3% In situ
- 8.4% Localized
- 5.4% Regional by direct extension only
- 14.5% Regional to lymph nodes only
- 9.6% Regional by direct extension and to lymph nodes
- 4.2% Regional, (NOS)
- 52.1% Distant metastasis
- 5.5% Unstaged, unknown or unspecified
- 100.08 n = 1943
- 7. What is the histology of the cancer?

Histology: (omitted)

- What modalities of treatment has this patient had prior to the present prescribed treatment regimen? (Check all that apply)
  - 1.8% Biological therapy
- 32.3% Chemotherapy
- 8.8% Hormonal therapy
- 0.8% Immunotherapy
- 22.2% Radiation
- 46.1% Surgery
- 25.8% No previous treatment
- 0.8% Other, please specify: n = 2040
- 9. What will be the primary therapeutic intent of the present course of therapy? (Check one)

43.8% Curative

56.2% Palliative 100.0% n = 2004

- 10. What other modalities of treatment are being considered for this patient during the present course of treatment? (Check all that apply)
- 25.3% Radiation
- 7.9% Surgery
- 58.2% None other considered

8.9% Other, please specify:\_\_\_\_\_ n = 2040 .

11. Please check the anticancer drugs, including hormonal agents, that you prescribed for the patient's present therapeutic regimen by mode of administration.

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	<sup>ce</sup> o	) j	5 / ÷
Drug Names Asparaginase, Elspar		37	2
Betamethasone, Celestone	1	2	1
Bleomycin, Blenoxane	3	80	<u> </u>
Busulfan, Myleran	10	0	
Carboplatin, Paraplatin	0	49	100
Carmustine, BiCNU	3	18	23
Chlorambucil, Leukeran	27	0	1
Cisplatin, Platinol	4	88	339
Cyclophosphamide, Cytoxan, Neosar	134	306	234
Cytarabine, Cytosar-U	1	36	60
Dacarbazine, DTIC-Dome	1	23	31
Dactinomycin, Cosmegen	0	18	13
Daunorubicin, Cerubidine	0	38	14
Doxorubicin, Adriamycin	7	318	170
Estramustine, Emcyt	3	0	
Etoposide, VePesid, VP-16	15	102	217
Floxuridine, FUDR	0	7	12
Fluorouracil, Efudex, 5-FU	10	404	265
Hydroxyurea, Hydrea	14	2	3
Ifosfamide, IFEX	0	14	66
Interferon alfa 2a,2b, Intron-A	0	59	4
Lomustine, CeeNU, CCNU	11	1	2
Mechlorethamine, Mustargen, HN2	2	30	11
Melphalan, Alkeran	29	1	6
Mercaptopurine, Purinethol	23	3	5
Methotrexate	19	200	82
Mitomycin, Mutamycin	0	56	30
	0	25	17
Mitoxantrone, Novantrone	-		_

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12	2	0	
0	4	9	
2	112	37	
7	252	83	
4	0	0	
1	0	0	
5	0	2	
0	0	1	
9	1	0	
20	0	0	
45	56	112	
0	23	0	
2	3	1	
24	1	1	
0	0	0	
0	0	0	
0	0	0	
244	22	4	
121	3	4	
0	0	0	
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74	5	4	
27	25	46	
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## PART II: DRUG USE FOR SPECIFIC DISEASES

The second part of the questionnaire asks you to respond to questions about the anticancer drugs that you usually prescribe in treating 11 types of cancer. For some of these cancers you will be asked to identify the combination of drugs that you usually prescribe in your first, second, and third lines of treatment. For other types of cancer you will be asked to identify all the drugs that you frequently use. In each case you will be asked to check the drugs you use from a common list of anticancer and hormonal drugs. We recognize, however, that your selection of drugs for each patient may vary for a number of reasons. The remaining section of this part then asks you to indicate if the drugs that you usually prescribe for these cancers differ from the drugs you would like to use and the reasons for any differences. Finally, we ask you to identify the sources you rely on for drug information.

- 32. Which of the following professions most closely matches your current position with this office? (Check one)
  - 1.4% Hematologist
- 55.3% Hematologist/Oncologist
- 5.7% Gynecologic or urologic oncologist
- 28.8% Medical oncologist
- 4.3% Surgical oncologist

4.5% Other, please specify:\_\_\_\_\_

- 33. In your personal practice, about what percentage of your current patients are enrolled in clinical trials from any source? (Check one)
- 9.2% No patients on clinical trial
- 53.5% 01 to 10 percent
- 19.2% 11 to 30 percent
- 17.6% Over 30 percent
- .5% Unknown percentage
- 100.0% n = 578

Appendix I Survey Results

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34. What anticancer drug combinations do you usually prescribe in treating acute non-lymphocytic leukemia? Please check the combination of drugs used in your typical first, second, and third lines of treatment.

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Drug Names		'/S	/ 🛱
Asparaginase, Elspar	20	36	11
Betamethasone, Celestone	2	0	0
Bleomycin, Blenoxane	2	2	0
Busulfan, Myleran	2	10	2
Carboplatin, Paraplatin	0	8	28
Carmustine, BiCNU	0	2	1
Chlorambucil, Leukeran	1	0	0
Cisplatin, Platinol	0	3	6
Cyclophosphamide, Cytoxan, Neosar	14	30	19
Cytarabine, Cytosar-U	459	271	54
Dacarbazine, DTIC-Dome	0	0	0
Dactinomycin , Cosmegen	5	2	0
Daunorubicin, Cerubidine	395	36	6
Doxorubicin, Adriamycin	44	20	4
Estramustine, Emcyt	0	1	0
Etoposide, VePesid, VP-16	28	96	107
Floxuridine, FUDR	0	1	0
Fluorouracil, Efudex, S-FU	0	0	0
Hydroxyurea, Hydrea	3	10	32
Ifosfamide, IFEX	0	3	5
Interferon alfa 2a,2b, Intron-A	0	0	1
Lomustine, CeeNU, CCNU	0	0	0
Mechlorethamine, Mustargen, HN2	0	0	0
Melphalan, Alkeran	0	0	0
Mercaptopurine, Purinethol	5	10	13
Methotrexate	12	19	12
Mitomycin, Mutamycin	0	3	3
Mitoxantrone, Novantrone	56	171	75
Plicamycin, Mithracin	1	0	0

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35. What anticancer drugs, including hormonal agents, do you frequently use in treating breast cancer in premenopausal women with adjuvant therapy? Please check all the drugs used.

	Time
	233
Drug Names Asparaginase, Elspar	
Betamethasone, Celestone	0
Bleomycin, Blenoxane	0
Busulfan, Myleran	0
Carboplatin, Paraplatin	0
Carmustine, BiCNU	2
Chlorambucil, Leukeran	0
Cisplatin, Platinol	11
Cyclophosphamide, Cytoxan, Neosar	568
Cytarabine, Cytosar-U	0
Dacarbazine, DTIC-Dome	0
Dactinomycin, Cosmegen	0
Daunorubicin, Cerubidine	9
Doxorubicin, Adriamycin	457
Estramustine, Emcyt	0
Etoposide, VePesid, VP-16	7
Floxuridine, FUDR	17
Fluorouracil, Efudex, 5-FU	550
Hydroxyurea, Hydrea	0
Ifosfamide, IFEX	0
Interferon alfa 2a,2b, Intron-A	0
Lomustine, CeeNU, CCNU	0
Mechlorethamine, Mustargen, HN2	0
Meiphalan, Alkeran	14
Mercaptopurine, Purinethol	3
Methotrexate	530
Mitomycin, Mutamycin	19
Mitoxantrone, Novantrone	45
Plicamycin, Mithracin	1

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Drug Names	235
Procarbazine, Matulane	0
Thioguanine	0
Thiotepa	22
Vinblastine, Velban	38
Vincristine, Oncovin	118
HORMONAL OR OTHER DRUGS	
Aminoglutethimide, Cytadren	16
Chlorotrianisene, TACE	0
Diethylstilbestrol, Stilphostrol	3
Estradiol, Estrace	1
Fluoxymesterone, Halotestin	22
Flutamide, Eulexin	0
Leucovorin, Folinic acid	32
Leuprolide acetate, Lupron	2
Medroxyprogesterone, Provera	7
Megestrol acetate, Megace	55
Methyltestosterone, Oreton	1
Mitotane, Lysodren	0
Octreotide acetate, Sandostatin	0
Prednisone	118
Tamoxifen, Nolvadex	345
Testalactone, Teslac	2
INVESTIGATIONAL DRUGS	1.251.53
Interleukin, IL2, IL2 with LAK	
Levamisole	0
	0
OTHER DRUGS: (4)	8
n	= 573

36. What anticancer drugs, including hormonal agents, do you frequently use in treating breast cancer in postmenopausal women with adjuvant therapy? Please check all the drugs used.

	Ting
- · · ·	
Drug Names Asparaginase, Elspar	0
Betamethasone, Celestone	
Bieomycin, Blenoxane	1
Busulfan, Myleran	0
Carboplatin, Paraplatin	0
Carmustine, BiCNU	
Chlorambucil, Leukeran	
Cisplatin, Platinol	5
	5
Cyclophosphamide, Cytoxan, Neosar	510
Cytarabine, Cytosar-U	1
Dacarbazine, DTIC-Dome	0
Dactinomycin , Cosmegen	0
Daunorubicin, Cerubidine	14
Doxorubicin, Adriamycin	280
Estramustine, Emcyt	0
Etoposide, VePesid, VP-16	3
Floxuridine, FUDR	17
Fluorouracil, Efudex, 5-FU	493
Hydroxyurea, Hydrea	0
Ifosfamide, IFEX	0
Interferon alfa 2a,2b, Intron-A	0
Lomustine, CeeNU, CCNU	0
Mechlorethamine, Mustargen, HN2	0
Melphalan, Alkeran	9
Mercaptopurine, Purinethol	0
Methotrexate	478
Mitomycin, Mutamycin	12
Mitoxantrone, Novantrone	31
Plicamycin, Mithracin	0

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Drug Names Procarbazine. Matulane	4.30	/
	0	
Thioguanine	1	
Thiotepa	14 25	
Vinblastine, Velban		
Vincristine, Oncovin	86	i
HORMONAL OR OTHER DRUGS		
Aminoglutethimide, Cytadren	29	
Chlorotrianisene, TACE	1	
Diethylstilbestrol, Stilphostrol	10	
Estradiol, Estrace	3	
Fluoxymesterone, Halotestin	24	
Flutamide, Eulexin	1	
Leucovorin, Folinic acid	20	
Leuprolide acetate, Lupron	1	
Medroxyprogesterone, Provera	11	
Megestrol acetate, Megace	120	
Methyltestosterone, Oreton	2	
Mitotane, Lysodren	2	
Octreotide acetate, Sandostatin	2	
Prednisone	107	
Tamoxifen, Nolvadex	560	
Testalactone, Teslac	1	
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INVESTIGATIONAL DRUGS		
Interleukin, IL2, IL2 with LAK	0	
Levamisole	0	
OTHER DRUGS: (2)	3	
n	= 570	

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Appendix I Survey Results

37. What anticancer drug combinations, including hormonal agents and disregarding menopausal or estrogen receptor status, do you usually prescribe in treating metastatic breast cancer? Please check the combination of drugs used in your typical first, second, and third lines of treatment.

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Drug Names	Jan 1	/8	12
Asparaginase, Elspar	0	0	0
Betamethasone, Celestone	0	1	0
Bleomycin, Blenoxane	0	1	7
Busulfan, Myleran	0	0	0
Carboplatin, Paraplatin	0	7	24
Carmustine, BiCNU	2	0	8
Chlorambucil, Leukeran	2	2	3
Cisplatin, Platinol	4	25	97
Cyclophosphamide, Cytoxan, Neosar	494	131	23
Cytarabine, Cytosar-U	0	1	1
Dacarbazine, DTIC-Dome	0	1	2
Dactinomycin , Cosmegen	0	0	3
Daunorubicin, Cerubidine	11	8	3
Doxorubicin, Adriamycin	264	257	41
Estramustine, Emcyt	0	1	1
Etoposide, VePesid, VP-16	3	22	68
Floxuridine. FUDR	11	6	6
Fluorouracil, Efudex, 5-FU	481	128	71
Hydroxyurea, Hydrea	0	2	2
Ifosfamide, IFEX	2	6	14
Interferon alfa 2a,2b, Intron-A	1	3	10
Lomustine, CeeNU, CCNU	0	1	2
Mechlorethamine, Mustargen, HN2	1	1	1
Melphalan, Alkeran	4	4	8
Mercaptopurine, Purinethol	4	1	0
Methotrexate	328	122	29
Mitomycin, Mutamycin	2	133	239
Mitoxantrone, Novantrone	24	<u> </u>	63
Plicamycin, Mithracin	0	2	3

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Drug Names	N. S.		and the
Procarbazine, Matulane	0	0	1
Thioguanine	0	0	0
Thiotepa	10	68	64
Vinblastine, Velban	10	184	226
Vincristine, Oncovin	63	104	40
HORMONAL OR OTHER DRUGS			
Aminoglutethimide, Cytadren	4	48	195
Chlorotrianisene, TACE	0	0	0
Diethylstilbestrol, Stilphostrol	6	12	31
Estradiol, Estrace	1	2	F
Fluoxymesterone, Halotestin	12	52	112
Flutamide, Eulexin	0	1	2
Leucovorin, Folinic acid	10	38	45
Leuprolide acetate, Lupron	1	2	10
Medroxyprogesterone, Provera	3	28	10
Megestrol acetate, Megace	22	297	44
Methyltestosterone, Oreton	1	1	0
Mitotane, Lysodren	0	0	4
Octreotide acetate, Sandostatin	0	0	2
Prednisone	62	38	33
Tamoxifen. Nolvadex	430	32	36
Testalactone, Teslac	0	2	7
INVESTIGATIONAL DRUGS			
Interleukin, IL2, IL2 with LAK	0	2	2
Levamisole	0	0	1
OTHER DRUGS: (4) $BMT = 2$	5	1	9
(4) 41 - 2		 = <u>•</u>	<u> </u>

38. What anticancer drugs do you frequently use in treating Dukes' C colon cancer with adjuvant therapy? Please check all the drugs used.

	The second
Drug Names	435
Asparaginase, Elspar	0
Betamethasone, Celestone	0
Bleomycin, Blenoxane	0
Busulfan, Myleran	0
Carboplatin, Paraplatin	0
Carmustine, BiCNU	2
Chlorambucil, Leukeran	1
Cisplatin, Platinol	9
Cyclophosphamide, Cytoxan, Neosar	1
Cytarabine, Cytosar-U	0
Dacarbazine, DTIC-Dome	1
Dactinomycin , Cosmegen	0
Daunorubicin, Cerubidine	0
Doxorubicin, Adriamycin	2
Estramustine, Emcyt	0
Etoposide, VePesid, VP-16	0
Floxuridine, FUDR	19
Fluorouracil, Efudex, 5-FU	539
Hydroxyurea, Hydrea	3
Ifosfamide, IFEX	0
Interferon alfa 2a,2b, Intron-A	10
Lomustine, CeeNU, CCNU	19
Mechlorethamine, Mustargen, HN2	0
Melphalan, Alkeran	0
Mercaptopurine, Purinethol	0
Methotrexate	13
Mitomycin, Mutamycin	20
Mitoxantrone, Novantrone	0
Plicamycin, Mithracin	0

	The second
Drug Names	435
Procarbazine, Matulane	0
Thioguanine	0
Thiotepa	0
Vinblastine, Velban	1
Vincristine, Oncovin	22
HORMONAL OR OTHER DRUGS	
Aminoglutethimide, Cytadren	0
Chlorotrianisene, TACE	0
Diethylstilbestrol, Stilphostrol	0
Estradiol, Estrace	0
Fluoxymesterone, Halotestin	0
Flutamide, Eulexin	0
Leucovorin, Folinic acid	336
Leuprolide acetate, Lupron	2
Medroxyprogesterone, Provera	0
Megestrol acetate, Megace	0
Methyltestosterone, Oreton	0
Mitotane, Lysodren	0
Octreotide acetate, Sandostatin	1
Prednisone	0
Tamoxifen, Nolvadex	1
Testalactone, Teslac	0
INVESTIGATIONAL DRUGS	
Interleukin, IL2, IL2 with LAK	1
Levamisole	442
OTHER DRUGS:	
n	<b>= 5</b> 48

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39. What anticancer drugs do you frequently use in treating metastatic colon cancer? Please check all the drugs used.

	(ienter
Drug Names	4550
Asparaginase, Elspar	0
Betamethasone, Celestone	0
Bleomycin, Blenoxane	0
Busulfan, Myleran	0
Carboplatin, Paraplatin	5
Carmustine, BiCNU	18
Chlorambucil, Leukeran	0
Cisplatin, Platinol	93
Cyclophosphamide, Cytoxan, Neosar	7
Cytarabine, Cytosar-U	0
Dacarbazine, DTIC-Dome	3
Dactinomycin , Cosmegen	0
Daunorubicin, Cerubidine	0
Doxorubicin, Adriamycin	13
Estramustine, Emcyt	0
Etoposide, VePesid, VP-16	3
Floxuridine, FUDR	102
Fluorouracil, Efudex, S-FU	543
Hydroxyurea, Hydrea	7
Ifosfamide, IFEX	2
Interferon alfa 2a,2b, Intron-A	78
Lomustine, CeeNU, CCNU	37
Mechlorethamine, Mustargen, HN2	0
Melphalan, Alkeran	1
Mercaptopurine, Purinethol	0
Methotrexate	74
Mitomycin, Mutamycin	181
Mitoxantrone, Novantrone	2
Plicamycin, Mithracin	1

**Drug Names** Procarbazine, Matulane 0 Thioguanine 0 Thiotepa 0 Vinblastine, Velban 2 Vincristine, Oncovin 32 HORMONAL OR OTHER DRUGS Aminoglutethimide, Cytadren 0 Chlorotrianisene, TACE 0 Diethylstilbestrol, Stilphostrol 0 Estradiol, Estrace 0 Fluoxymesterone, Halotestin 0 Flutamide, Eulexin 0 Leucovorin, Folinic acid 455 Leuprolide acetate, Lupron 2 Medroxyprogesterone, Provera 0 Megestrol acetate, Megace 2 Methyltestosterone, Oreton 0 Mitotane, Lysodren 0 Octreotide acetate, Sandostatin 2 Prednisone 3 Tamoxifen, Nolvadex 1 Testalactone, Teslac 0 **INVESTIGATIONAL DRUGS** Interleukin, IL2, IL2 with LAK 14 Levamisole 35 **OTHER DRUGS: (4)** 12 n = 555

Alexandra Sala

40. What anticancer drug combinations do you usually prescribe in treating Stage III B or IV A.B Hodgkin's disease? Please check the combination of drugs you typically prescribe for your first, second, and third lines of treatment.

<b>•</b> • • •	First	Sec.	our li
Drug Names Asparaginase, Elspar		<u>/</u> %	$\frac{1}{2}$
Betamethasone, Celestone		1	2
· · · · · · · · · · · · · · · · · · ·	_	179	16
Bleomycin, Blenoxane	1	1/3	4
Busulfan, Myleran			4
Carboplatin, Paraplatin	0		
Carmustine, BiCNU	18		58
Chlorambucil, Leukeran	4	15	
Cisplatin, Platinol	1	61	83
Cyclophosphamide, Cytoxan, Neosar	44	65	59
Cytarabine, Cytosar-U	0	35	44
Dacarbazine, DTIC-Dome	307	150	10
Dactinomycin, Cosmegen	12	6	2
Daunorubicin, Cerubidine	7	7	1
Doxorubicin, Adriamycin	428	178	22
Estramustine, Emcyt	0	1	1
Etoposide, VePesid, VP-16	7	138	162
Floxuridine, FUDR	0	0	0
Fluorouracil, Efudex, S-FU	0	0	1
Hydroxyurea, Hydrea	0	0	2
Ifosfamide, IFEX	1	18	52
Interferon alfa 2a,2b, Intron-A	0	3	16
Lomustine, CeeNU, CCNU	2	48	59
Mechlorethamine, Mustargen, HN2	398	135	10
Melphalan, Alkeran	0	7	5
Mercaptopurine, Purinethol	2	0	0
Methotrexate	4	25	38
Mitomycin, Mutamycin	0		+
Mitoxantrone, Novantrone	3	23	36
Plicamycin, Mithracin	10	0	2

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	/		57
Drug Nemes	is,	100	Province in the second
Drug Names Procarbazine, Matulane	474	155	19
Thioguanine	1	0	0
Thiotepa	0		8
Vinblastine, Velban		189	55
Vincristine, Oncovin		162	25
HORMONAL OR OTHER DRUGS			
Aminoglutethimide, Cytadren	0	0	0
Chlorotrianisene, TACE	0	0	0
Diethylstilbestrol, Stilphostrol	0	0	0
Estradiol, Estrace	0	0	0
Fluoxymesterone, Halotestin	0	2	0
Flutamide, Eulexin	0	0	0
Leucovorin, Folinic acid	0	3	5
Leuprolide acetate, Lupron	0	0	0
Medroxyprogesterone, Provera	1	0	1
Megestrol acetate, Megace	0	0	0
Methyltestosterone, Oreton	0	0	0
Mitotane, Lysodren	0	0	0
Octreotide acetate, Sandostatin	1	0	0
Prednisone	424	189	61
Tamoxifen, Nolvadex	0	0	0
Testalactone, Teslac	0	0	0
INVESTIGATIONAL DRUGS			
Interleukin, 1L2, 1L2 with LAK	0	0	16
Levamisole	0	0	0
OTHER DRUGS: $(5)$ BMT = 18	1	18	20
		n =	500

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41. What anticancer drugs do you frequently use in treating hormone refractory prostate cancer? Please check all the drugs used.

	U entr
Drug Names	530
Asparaginase, Elspar	0
Betamethasone, Celestone	1
Bleomycin, Blenoxane	0
Busulfan, Myleran	0
Carboplatin, Paraplatin	26
Carmustine, BiCNU	1
Chlorambucil, Leukeran	3
Cisplatin, Platinol	151
Cyclophosphamide, Cytoxan, Neosar	287
Cytarabine, Cytosar-U	1
Dacarbazine, DTIC-Dome	0
Dactinomycin , Cosmegen	0
Daunorubicin, Cerubidine	5
Doxorubicin, Adriamycin	318
Estramustine, Emcyt	68
Etoposide, VePesid, VP-16	21
Floxuridine, FUDR	8
Fluorouracil, Efudex, 5-FU	282
Hydroxyurea, Hydrea	10
Ifosfamide, IFEX	12
Interferon alfa 2a,2b, Intron-A	7
Lomustine, CeeNU, CCNU	0
Mechlorethamine, Mustargen, HN2	0
Melphalan, Alkeran	7
Mercaptopurine, Purinethol	0
Methotrexate	80
Mitomycin, Mutamycin	48
Mitoxantrone, Novantrone	15
Plicamycin, Mithracin	1

	<b></b>
	The /
Drug Names	450
Procarbazine, Matulane	1
Thioguanine	0
Thiotepa	3
Vinblastine, Velban	27
Vincristine, Oncovin	12
HORMONAL OR OTHER DRUGS	
Aminoglutethimide, Cytadren	63
Chlorotrianisene, TACE	4
Diethylstilbestrol, Stilphostrol	31
Estradiol, Estrace	4
Fluoxymesterone, Halotestin	0
Flutamide, Eulexin	111
Leucovorin, Folinic acid	32
Leuprolide acetate, Lupron	75
Medroxyprogesterone, Provera	3
Megestrol acetate, Megace	66
Methyltestosterone, Oreton	0
Mitotane, Lysodren	0
Octreotide acetate, Sandostatin	1
Prednisone	88
Tamoxifen, Nolvadex	11
Testalactone, Teslac	0
INVESTIGATIONAL DRUGS	
Interleukin, IL2, IL2 with LAK	2
Levamisole	1
OTHER DRUGS: (5)	29
	= 517

42. What anticancer drug combinations do you usually prescribe in treating limited or extensive small cell lung cancer? Please check the combination of drugs used in your typical first, second, and third lines of treatment.

	- Aller		ou .
Drug Names	14	15	<u> /~</u>
Asparaginase, Elspar Betamethasone, Celestone	0	0	0
······	0	0	0
Bleomycin, Blenoxane Busulfan, Myleran	3	0	5
	1	0	0
Carboplatin, Paraplatin	49	65	53
Carmustine, BiCNU	2	11	31
Chlorambucil, Leukeran	1	0	0
Cisplatin, Platinol		158	13
Cyclophosphamide, Cytoxan, Neosar	339		56
Cytarabine, Cytosar-U		0	1
Dacarbazine, DTIC-Dome	0	4	4
Dactinomycin , Cosmegen	0	0	0
Daunorubicin, Cerubidine	11	9	2
Doxorubicin, Adriamycin	310	192	16
Estramustine, Emcyt	0	1	0
Etoposide, VePesid, VP-16	439	180	47
Floxuridine, FUDR	0	0	0
Fluorouracil, Efudex, 5-FU	2	4	17
Hydroxyurea, Hydrea	0	0	3
Ifosfamide, IFEX	0	30	66
Interferon alfa 2a,2b, Intron-A	2	2	5
Lomustine, CeeNU, CCNU	7	53	110
Mechlorethamine, Mustargen, HN2	0	1	2
Melphalan, Alkeran	0	0	1
Mercaptopurine, Purinethol	0	0	1
Methotrexate	14	61	133
Mitomycin, Mutamycin	2	8	24
Mitoxantrone, Novantrone	1	9	11
Plicamycin, Mithracin	0	0	0

		. 7	an in
Drug Names	12	. / 3	/ #
Procarbazine, Matulane	3	23	40
<b>Fhioguanine</b>	0	0	2
<b>Fhiotepa</b>	0	1	2
Vinblastine, Velban	13	21	33
Vincristine, Oncovin	278	195	37
CONTRACTOR OF A STAR PROVIDE			
HORMONAL OR OTHER DRUGS			
Aminoglutethimide, Cytadren	0	1	0
Chlorotrianisene, TACE	0	0	0
Diethylstilbestrol, Stilphostrol	0	0	0
Estradiol, Estrace	0	0	0
Fluoxymesterone, Halotestin	0	0	0
Flutamide, Eulexin	0	0	0
Leucovorin, Folinic acid	1	3	4
Leuprolide acetate, Lupron	0	0	0
Medroxyprogesterone, Provera	0	0	0
Megestrol acetate, Megace	1	0	1
Methyltestosterone, Oreton	0	0	0
Mitotane, Lysodren	0	0	0
Octreotide acetate, Sandostatin	0	0	0
Prednisone	7	11	10
<b>Famoxifen</b> , Nolvadex	0	0	0
Festalactone, Teslac	0	0	0
INVESTIGATIONAL DRUGS			
	<b> </b>		r
Interleukin, IL2, IL2 with LAK	0	1	8
Levamisole	0	0	1
OTHER DRUGS: (5)	1	5	14

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<ol> <li>What anticancer drugs do you the drugs used.</li> </ol>	frequently use in treati	ng metastatic non-small cell lung car	cer? Please check all
Drug Names	Content	Drug Names	Les en entre ser
Asparaginase, Elspar	0	Procarbazine, Matulane	19

Drug Names	430
Asparaginase, Elspar	0
Betamethasone, Celestone	0
Bleomycin, Blenoxane	18
Busulfan, Myleran	0
Carboplatin, Paraplatin	136
Carmustine, BiCNU	6
Chlorambucil, Leukeran	1
Cisplatin, Platinol	487
Cyclophosphamide, Cytoxan, Neosar	189
Cytarabine, Cytosar-U	2
Dacarbazine, DTIC-Dome	2
Dactinomycin, Cosmegen	0
Daunorubicin, Cerubidine	9
Doxorubicin, Adriamycin	199
Estramustine, Emcyt	1
Etoposide, VePesid, VP-16	394
Floxuridine, FUDR	4
Fluorouracil, Efudex, 5-FU	128
Hydroxyurea, Hydrea	3
Ifosfamide, IFEX	53
Interferon alfa 2a,2b, Intron-A	4
Lomustine, CeeNU, CCNU	38
Mechlorethamine, Mustargen, HN2	1
Melphalan, Alkeran	0
Mercaptopurine, Purinethol	0
Methotrexate	84
Mitomycin, Mutamycin	256
Mitoxantrone, Novantrone	11
Plicamycin, Mithracin	1

	<u> </u>
	The second
Drug Names	<u> </u>
Procarbazine, Matulane	19
Thioguanine	1
Thiotepa	2
Vinblastine, Velban	273
Vincristine, Oncovin	77
HORMONAL OR OTHER DRUGS	
Aminoglutethimide, Cytadren	0
Chlorotrianisene, TACE	0
Diethylstilbestrol, Stilphostrol	0
Estradiol, Estrace	0
Fluoxymesterone, Halotestin	0
Flutamide, Eulexin	0
Leucovorin, Folinic acid	13
Leuprolide acetate, Lupron	0
Medroxyprogesterone, Provera	2
Megestrol acetate, Megace	4
Methyltestosterone, Oreton	0
Mitotane, Lysodren	0
Octreotide acetate, Sandostatin	0
Prednisone	26
Tamoxifen, Nolvadex	0
Testalactone, Teslac	0
INVESTIGATIONAL DRUGS	
Interleukin, IL2, IL2 with LAK	10
Levamisole	1
OTHER DRUGS: (3)	17
	= 530
-	

	Content	u /
Drug Names	1 3 0 S	S/ Drug Names
Asparaginase, Elspar	0	Procarbazine, Matulane
Betamethasone, Celestone	1	Thioguanine
leomycin, Blenoxane	74	Thiotepa
Busulfan, Myleran	1	Vinblastine, Velban
arboplatin, Paraplatin	32	Vincristine, Oncovin
Carmustine, BiCNU	169	
Chlorambucil, Leukeran	2	HORMONAL OR OTHE
Cisplatin, Platinol	279	Aminoglutethimide, Cyta
Cyclophosphamide, Cytoxan, Neosar	34	Chlorotrianisene, TACE
Cytarabine, Cytosar-U	1	Diethylstilbestrol, Stilpho
Dacarbazine, DTIC-Dome	446	Estradiol, Estrace
Dactinomycin, Cosmegen	34	Fluoxymesterone, Halote
Daunorubicin, Cerubidine	3	Flutamide, Eulexin
Doxorubicin, Adriamycin	46	Leucovorin, Folinic acid
Estramustine, Emcyt	0	Leuprolide acetate, Lupro
Ctoposide, VePesid, VP-16	22	Medroxyprogesterone, P
Floxuridine, FUDR	0	Megestrol acetate, Mega
Fluorouracil, Efudex, 5-FU	11	Methyltestosterone, Oret
Hydroxyurea, Hydrea	29	Mitotane, Lysodren
Ifosfamide, IFEX	6	Octreotide acetate, Sand
Interferon alfa 2a,2b, Intron-A	180	Prednisone
Lomustine, CeeNU, CCNU	82	Tamoxifen, Nolvadex
Mechlorethamine, Mustargen, HN2	2	Testalactone, Teslac
Melphalan, Alkeran	12	
Mercaptopurine, Purinethol	0	INVESTIGATIONAL D
Methotrexate	8	Interleukin, IL2, IL2 with
Mitomycin, Mutamycin	1	Levamisole
Mitoxantrone, Novantrone	1	
Plicamycin, Mithracin	0	OTHER DRUGS: (8) H

44. What anticancer drugs do you frequently use in treating metastatic melanoma? Please check all the drugs used.

Drug Names	235
Procarbazine, Matulane	13
Thioguanine	0
Thiotepa	4
Vinblastine, Velban	94
Vincristine, Oncovin	74
HORMONAL OR OTHER DRUGS	
Aminoglutethimide, Cytadren	2
Chlorotrianisene, TACE	1
Diethylstilbestrol, Stilphostrol	1
Estradiol, Estrace	0
Fluoxymesterone, Halotestin	0
Flutamide, Eulexin	1
Leucovorin, Folinic acid	1
Leuprolide acetate, Lupron	1
Medroxyprogesterone, Provera	4
Megestrol acetate, Megace	7
Methyltestosterone, Oreton	0
Mitotane, Lysodren	0
Octreotide acetate, Sandostatin	0
Prednisone	12
Tamoxifen, Nolvadex	153
Testalactone, Teslac	0
INVESTIGATIONAL DRUGS	
Interleukin, IL2, IL2 with LAK	140
Levamisole	2
OTHER DRUGS: (8) $\mathbf{B}\mathbf{M}\mathbf{T} = 2$	25
n	= 533

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GAO/PEMD-91-12BR Initial Off-Label Survey Results

Append	lix I
Survey	Results

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	the 11 types of cancer for whic	ometimes doctors face barriers to the optimal treatment of certain types of cancer. For any of r for which you just provided drug treatment information, is there a difference between how es and how you would like to treat them? Please check the specific reasons for any						between how
	Types of Cancer	No Officience	0 0 0 0 0 0 0 0 0 0 0 0 0 0	Contraction Contr	Content Street	Current Contract of Contract o	One reaction in the second	\$
1.	Acute non-lymphocytic leukemia	87.4%	1.8%	0.6%	2.4%	3.3%	4.5%	n = 491
2.	Localized breast cancer in premenopausal women	88.5%	1.0%	1.0%	5.7%	3.4%	0.4%	n = 525
3.	Localized breast cancer in postmenopausal women	87.4%	1.0%	1.1%	7.1%	3.0%	0.4%	n = 523
4.	Metastatic breast cancer	73.3%	6.1%	2.3%	7.2%	8.2%	2.9%	n = 512
5.	Localized or regional colon cancer	67.8%	10.4%	2.2%	7.2%	8.6%	3.8%	n = 500
6.	Metatastic colon cancer	61.6%	10.4%	4.9%	7.5%	13.0%	2.6%	n = 509
7.	Stage III or IV Hodgkin's disease	90.1%	2.2%	0.4%	2.8%	3.2%	1.3%	n = 534
8.	Hormone refractory prostate cancer	70.7%	6.9%	4.2%	9.2%	6.6%	2.4%	n = 498
9.	Small cell lung cancer	78.7%	6.5%	1.6%	3.4%	8.0%	1.8%	n = 507
10.	Non-small cell lung cancer	73.7%	8.3%	3.2%	4.7%	7.5%	2.6%	n = 507
11.	Metastatic melanoma	67.6%	10.6%	2.2%	6.4%	9.4%	3.8%	n = 499

12. Other reasons, please specify: 19.6%

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	Technical Resource	Line	Some ener	Moder	Gear energy	Ven. enem	Wear ener		
1.	Physician's Desk Reference	76	76	76	176	176	n = 638		
2.	American Hospital Formulary Service's Drug Information	78.5	16.2	3.8	1.3	0.2	n = 629		
3.	American Medical Association's Drug Evaluations	81.6	15.2	2.3	0.8	0.1	n = 619		
4.	Drug company publications	30.6	50.3	15.0	3.3	0.8	n = 638		
5.	Food and Drug Administration's Drug Bulletin	40.4	36.9	18.2	3.9	0.6	n = 634		
6.	U.S. Pharmacopeia's Drug Information	78.5	15.9	4.1	1.0	0.5	n = 603		
7.	Consultation with other doctors	5.3	26.7	36.3	23.1	8.7	n = 644		
8.	Local/national conferences	0.2	4.4	21.2	42.2	32.0	n = 656		
9.	Oncology journals	0.2	1.1	7.1	33.1	58.5	n = 659		
10	National Cancer Institute's PDQ	32.5	28.1	18.7	14.0	6.7	n = 630		
11	Participation in clinical research	9.5	17.0	17.5	20.6	35.4	n = 652		
12	Any other significant resource you use, please specify:	31.0	9.5	19.0	14.3	26.2	n = 84		
	Any other significant resource you						4		

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### PART III: EXTENT OF REIMBURSEMENT PROBLEMS

The last part of this questionnaire can be answered with the assistance of an office or insurance manager. In this part, we solicit responses to questions regarding the extent to which this practice has faced problems in obtaining adequate or timely reimbursement from third party payers. Specifically, GAO is interested in reimbursement denials that occurred when approved anticancer drugs were prescribed for off-label indications. Responses to these questions are based on reimbursement problems the doctor's individual practice has faced over the last 12 months.

- 47. Which of the following professions most closely matches your current position with this office? (Check one)
  - 1.0% Hematologist
- 56.2% Hematologist/Oncologist
- 6.1% Gynecologic or urologic oncologist
- 25.0% Medical oncologist
- 1.6% Oncology nurse
- 1.3% Insurance manager
- 2.6% Office manager
- 0.5% Secretary or bookkeeper
- 0.0% Billing agency representative
- 5.7% Other, please specify:\_\_\_\_

100.08 n = 617

48. In which state is this practice located?

State: (see last page)

- 49. To what extent, if at all, does this individual practice find it difficult to keep up with the reimbursement policies of third party payers? (Check one)
- 15.2% Little or no extent
- 18.9% Some extent
- 30.2% Moderate extent
- 22.2% Great extent
- 13.7% Very great extent
- 100.0% n = 599

- 50. During the last 12 months, how much of an increase, if any, has this individual practice experienced in the time it takes to receive reimbursement from third party payers? (Check one)
  - 9.7% No increase
  - 19.7% Some increase
  - 30.4% Moderate increase
  - 19.9% Great increase
  - 9.8% Very great increase
  - 10.5% No basis to judge
  - 100.0% n = 589
  - 51. In the last 12 months, has this individual practice experienced any drug-related reimbursement problems from third party payers for the following reasons? (Check all that apply)
  - 50.7% Outpatient drug administration, e.g., infusion
  - 51.7% Use of an anticancer drug for off-label indications
  - 44.1% Use of an investigational anticancer drug
  - 9.7% Other reasons, please specify: n= 617
  - 52. Of your cancer patients who could normally receive outpatient treatment, approximately how many, if any, has this individual practice admitted to a hospital in the last three months because a third party payer would not reimburse for the outpatient administration (e.g., by infusion) of anticancer drugs? (Check one)
  - 37.9% None
  - 35.5% 1 to 5 patients
  - 13.6% 6 to 10 patients
  - 5.5% 11 to 15 patients
  - 2.68 16 to 20 patients
- 4.9% More than 20 patients
- 100.0% n = 586

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- 53. Have oncologists and hematologists in this state reached any formal agreements with third party payers, such as Medicare intermediaries, regarding reimbursement for off-label anticancer drug use? By off-label we mean that an approved anticancer drug was prescribed for indications other than those suggested on the package insert. (Check one)
  - 7.2% Yes
- 43.1% No
- 49.7% No basis to judge
- 100.0% n = 610
- 54. If this practice has had reimbursement problems in the last 12 months, have any reimbursement denials been due to the use of an anticancer drug for an off-label indication? (Check one)
- 47.8% Yes -- GO TO THE NEXT QUESTION
- 33.7% No -- STOP, GO TO THE LAST PAGE
- 18.5% No basis to judge -- STOP, GO TO THE LAST PAGE
- 100.0% n = 600
- 55. During the last 12 months, has this individual practice experienced any increase in reimbursement denials for off-label anticancer drug use? (Check one)
- 20.1% Little or no increase
- 38.4% Some increase
- 22.8% Moderate increase
- 9.4% Great increase
- 5.5% Very great increase
- 3.8% No basis to judge

100.0% n = 289

- 56. In the last 12 months, has this individual practice been confronted by a new patient, arriving from another state, who seeks treatment with an approved anticancer drug (previously reimbursable) for which third party payers in your state are not willing to provide adequate or timely reimbursement? (Check one)
- 15.4% Yes
- 63.1% No
- 21.5% No basis to judge
- 100.08 n = 293

- 57. In the last 12 months, which of the following third party payers have caused this individual practice to alter the way it would like to treat cancer patients? (Check all that apply)
  - 57 CHAMPUS
  - 158 Health Maintenance Organization
  - 215 Medicare intermediaries
  - 79 Preferred Physicians Organization
  - 146 Private third party insurer
  - 143 Public insurer, e.g., Medicaid
  - 33 Self administered employer insurer
  - 16 Other, please specify:
- 58. Please list by name up to three third party insurers or managed care plans that have caused this individual practice the most "hassle" regarding reimbursement for off-label anticancer drug use.
  - 1. Medicare (36.6%), Blue Cross (19.7%) n = 238
  - 2. <u>Blue Cross (25.8%), Medicare (17</u>.2%) n= 186
  - 3. Medicare (19.2%), Blue Cross (15.4%) n= 104

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59. If possible, please identify the anticancer drugs that were prescribed for off-label indications for which reimbursement was denied during the last 12 months. Please identify these drugs by indicating the primary site of the cancer for which they were prescribed.

Drug Names	Prim	ary Site
Asparaginase, Elspar	1	(1)
Betamethasone, Celestone	0	(0)
Bleomycin, Blenoxane	4	(4)
Busulfan, Myleran	1	(1)
Carboplatin, Paraplatin	105	(17)
Carmustine, BiCNU	10	(4)
Chlorambucil, Leukeran	0	(0)
Cisplatin, Platinol	35	(12)
Cyclophosphamide, Cytoxan, Neosar	12	(5)
Cytarabine, Cytosar-U	5	(4)
Dacarbazine, DTIC-Dome	2	(2)
Dactinomycin, Cosmegen	1	(1)
Daunorubicin, Cerubidine	1	(1)
Doxorubicin, Adriamycin	9	(5)
Estramustine, Emcyt	0	(0)
Etoposide, VePesid, VP-16	42	(11)
Floxuridine, FUDR	12	(4)
Fluorouracil, Efudex, 5-FU	19	(8)
Hydroxyurea, Hydrea	2	(2)
Ifosfamide, IFEX	58	(15)
Interferon alfa 2a,2b, Intron-A	169	(14)
Lomustine, CeeNU, CCNU	9	(8)
Mechlorethamine, Mustargen, HN2	0	(0)
Melphalan, Alkeran	1	(1)
Mercaptopurine, Purinethol	2	(1)
Methotrexate	11	(7)
Mitomycin, Mutamycin	10	(8)
Mitoxantrone, Novantrone	66	(7)
Plicamycin, Mithracin	0	(0)

Drug Names	Primary Site
Procarbazine, Matulane	1 (1)
Thioguanine	0 (0)
Thiotepa	6 (4)
Vinblastine, Velban	9 (5)
Vincristine, Oncovin	5 (5)
HORMONAL OR OTHER DRUGS	
Aminoglutethimide, Cytadren	2 (1)
Chlorotrianisene, TACE	0 (0)
Diethylstilbestrol, Stilphostrol	0 (0)
Estradiol, Estrace	0 (0)
Fluoxymesterone, Halotestin	1 (1)
Flutamide, Eulexin	13 ( 2)
Leucovorin, Folinic acid	85 (11)
Leuprolide acetate, Lupron	26 (6)
Medroxyprogesterone, Provera	2 (2)
Megestrol acetate, Megace	12 ( 5)
Methyltestosterone, Oreton	1 (1)
Mitotane, Lysodren	0 (0)
Octreotide acetate, Sandostatin	5 (3)
Prednisone	1 (1)
Tamoxifen, Nolvadex	4 (3)
Testalactone, Teslac	0 (0)
OTHER DRUGS:	32 (14)
	[

Note: The first number is the number of oncologists that responded to the question. The second number ( ) is the number of sites reported.

Resp	onses	to quest:	ion 48		
AK	1				
AL	5	•			
AR	2				
AZ	9				
CA*	47				
CO	4				
СТ	11				
DC	5				
DE	4				
FL*	44				
GA	7				
HI	0				
IA	3				
IL*	60				
IN	7				
KS	8				
KY	12				
LA	3				
MA*	28				
MD	25				
ME	3				
MI*	38				
MN	15				
MO	13				
MS	4				
NC*	44				
ND	3				
NE	2				
NH	0				
NJ* NM	33				
NV	5 1				
NY*	58				
OH*	54				
OK	4				
OR	5				
PA*	59				
SC	2				
TN	1				
TX*	38				
VĂ	11				
WA	î				
WI	2				
n =	<b>6</b> 81				

60. If you have any comments to make about this questionnaire or reimbursement problems pertaining to the off-label

Program Evaluation<br/>and Methodology<br/>Division, Washington,<br/>D.C.George Silberman, Assistant DirectorDenver RegionalThomas J. Laetz, Project Manager<br/>Paul Cueth Technical Assistant

Donvor Pogional	Thomas J. Laetz, Project Manager				
Denver Regional	Paul Gvoth, Technical Assistant				
Office	Joseph Sikich, Staff Member				

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