

UNITED THERAPEUTICS CORP

Form 10-K/A

October 17, 2002

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Securities and Exchange Commission

Washington, DC 20549

Form 10-K/A

(Amendment No. 1)

☒ ANNUAL REPORT UNDER SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2001

OR

☐ TRANSITION REPORT PURSUANT TO SECTION 13 OF 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from to

Commission File Number 0-26301

UNITED THERAPEUTICS CORPORATION

(Exact name of Registrant as specified in its charter)

Delaware

52-1984749

(State or Other Jurisdiction
of Incorporation or Organization)

(IRS Employer Identification No.)

1110 Spring Street
Silver Spring, MD

20910

(Address of principal executive offices)

(zip code)

Registrant's telephone number, including area code: (301) 608-9292

Securities registered under Section 12(b) of the Exchange Act:
None.

Securities registered under Section 12(g) of the Exchange Act:
Common Stock, par value \$.01 per share
and associated preferred stock purchase rights
(Title of Class)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in PART III of this Form 10-K or any amendment to this Form 10-K. ☒

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The number of shares outstanding of the registrant's Common Stock, par value \$0.01 per share, as of October 10, 2002 was 20,918,686 shares. The aggregate market value of the Common Stock held by non-affiliates of the registrant, based on the average bid and asked prices on October 10, 2002 as reported by the Nasdaq National Market was approximately \$299.6 million.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive proxy statement for the registrant's 2002 annual shareholders meeting are incorporated by reference in Part III of this Form 10-K.

Explanatory Note

On October 16, 2002, United Therapeutics Corporation filed Amendment No. 1 to its Registration Statement on Form S-3 (File No. 333-99079). United Therapeutics is hereby amending Items 7, 8 and 14 of its Annual Report on Form 10-K for the fiscal year ended December 31, 2001 to provide clarification requested by the Securities and Exchange Commission (the "SEC") in connection with the SEC's review of the Form S-3. The amendments primarily provide additional disclosures regarding: the status of major research and development projects; service and product sales and the costs of those sales; November 2000 amendments to the Synergy Pharmaceuticals, Inc. license agreement and the write-down of the investment in Synergy; the allocation of the purchase prices paid for Unither Pharma, Inc., Medicomp Inc. and Telemedical Procedures LLC; accounting treatment for the investment in Northern Therapeutics Corporation; and segment information.

ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion should be read in conjunction with the consolidated financial statements and related notes appearing elsewhere in this annual report. The following discussion contains forward-looking statements concerning the expectation of continued losses, cash needed for clinical trials and product research and development contract obligations during 2002, the funding for such expenses, expectations concerning milestone and royalty payments in 2002, the use of net operating loss carryforwards and business tax credit carryforwards, the completion of in-process research and development products, the levels of working capital required for existing research and development and general and administrative programs, the outcome and timing of regulatory approvals, the expected levels and timing of Remodulin sales and the adequacy of United Therapeutics' resources to fund operations through 2004. These forward-looking statements reflect the plans and estimated beliefs of management as of the date of this report. Actual results could differ materially from those anticipated in the forward-looking statements. Factors that could cause or contribute to such differences include those discussed below and elsewhere in this Annual Report, particularly in Risk Factors.

Overview

United Therapeutics is a biotechnology company focused on commercialization of unique therapeutic products to treat chronic and life-threatening cardiovascular, infectious and oncological diseases. United Therapeutics commenced operations in June 1996 and, since its inception, has devoted substantially all of its resources to its research and development programs. United Therapeutics' lead product is Remodulin. In February 2002, the FDA notified United Therapeutics that Remodulin was deemed approvable for the treatment of pulmonary arterial hypertension in patients with NYHA class II-IV symptoms. Final approval is conditioned on the FDA's acceptance of the product label and United Therapeutics' agreement to perform a post marketing Phase IV clinical study to further assess the clinical benefit of Remodulin. United Therapeutics has agreed to perform the post marketing Phase IV clinical study and is currently discussing the content of the study protocol and product label with the FDA. United Therapeutics has generated pharmaceutical revenues from sales of Remodulin on a government-reimbursed basis in certain European countries, arginine product sales, chemical synthesis services, the resale of certain medical supplies used for its pharmaceutical products and government grants, as well as non-pharmaceutical revenues from telemedicine products. United Therapeutics has funded its operations primarily from the proceeds of the sales of common stock.

United Therapeutics has incurred net losses each year since inception and had an accumulated deficit of \$162.2 million at December 31, 2001. United Therapeutics expects to continue to incur net losses and cannot provide assurances that, in the future, it will become profitable.

Major Research and Development Projects

The major research and development projects of United Therapeutics are Remodulin for cardiovascular diseases and glycobiology antiviral agents for infectious diseases. United Therapeutics incurred expenses of approximately \$22.5 million, \$41.5 million and \$25.7 million during the years ended December 31, 2001, 2000 and 1999, respectively, on Remodulin development. Approximately \$102.3 million from inception to date has been incurred for Remodulin. Remodulin was approved in May 2002 for the treatment of pulmonary arterial hypertension in NYHA Class II-IV patients to diminish symptoms associated with exercise. Remodulin was also approved in Canada in October 2002 for the treatment of pulmonary arterial hypertension in NYHA Class III-IV patients who did not respond adequately to conventional therapy. Regulatory applications and reviews of Remodulin for pulmonary arterial hypertension are ongoing in Europe and other countries and expected to be completed in 2003 and 2004. A condition of FDA approval is that a phase IV clinical study must be completed within two years of the approval date. Material net cash inflows from the sales of Remodulin for pulmonary arterial hypertension commenced in May 2002 after FDA approval was received.

Remodulin is also being developed for the treatment of critical limb ischemia. United Therapeutics has completed one phase II clinical study and planning is underway for pre-pivotal studies to commence in late 2002. The pivotal or final study of Remodulin for the treatment of critical limb ischemia is expected to commence in 2003. Regulatory filings and approvals for Remodulin for critical limb ischemia in the US are expected to take place in 2005 and 2006. Material net cash inflows from the sales of Remodulin for critical limb ischemia are expected to

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commence in 2006; however, this is subject to the risks and uncertainties discussed below with respect to completing the development within the estimated timeline.

United Therapeutics' infectious disease program includes drug candidates in the preclinical and phase I clinical stages of testing. The drugs in this program are being developed for hepatitis C, hepatitis B and other infectious diseases. The first candidate for hepatitis C, UT231B, commenced phase I clinical studies in mid-2002. United Therapeutics incurred expenses of approximately \$5.7 million, \$8.7 million and none during the years ended December 31, 2001, 2000 and 1999, respectively, for its infectious disease programs. Approximately \$14.4 million from inception to date has been incurred for these programs. Clinical testing of UT231B is expected to continue through 2005. Material net cash inflows from the sales of UT231B are expected to commence in 2006 or 2007; however, this is subject to the risks and uncertainties discussed below with respect to completing the development within the estimated timeline.

Due to the inherent uncertainties involved in drug development and regulatory review and approval processes, the cost of completing the research and development of the products described above is not estimable. There are many risks and uncertainties associated with completing the development of Remodulin and the glycobiology antiviral agents in accordance with the timelines discussed above. These include:

Products may fail in clinical studies;

Physicians and patients may not be willing to participate in clinical studies;

The drugs may not be effective or may not be perceived as effective;

Other investigational therapies may be viewed as more effective;

Patients experience severe side effects during treatment;

Patients die during the clinical study because their disease is too advanced or because they experience medical problems that are not related to the drug being studied;

Patients do not enroll in the studies at the rate United Therapeutics expects;

The FDA may request additional studies be performed;

Drug supplies are not sufficient to treat the patients in the studies, and;

The results of preclinical testing cause delays in clinical trials.

If these projects are not completed timely, regulatory approvals would be delayed and United Therapeutics' operations, liquidity and financial position could suffer. Without regulatory approvals, United Therapeutics may not commercialize and sell these products and, therefore, potential revenues and profits from these products would be delayed or impossible to achieve.

Financial Position

Cash, cash equivalents and marketable investments at December 31, 2001 were \$172.3 million as compared to \$215.4 million at December 31, 2000. The decrease of approximately \$43.1 million is primarily a result of cash used in operations during the year ended December 31, 2001.

At December 31, 2001, total liabilities were approximately \$15.7 million, as compared to approximately \$15.9 million at December 31, 2000, and consisted primarily of trade payables, accrued expenses and amounts due to affiliate. At December 31, 2001, total stockholders' equity was approximately \$196.4 million, as compared to \$234.7 million at December 31, 2000.

Results Of Operations

Years ended December 31, 2001 and 2000

Revenues for the year ended December 31, 2001 were approximately \$5.7 million, as compared to approximately \$2.0 million for the year ended December 31, 2000. The increase was due primarily to sales of Remodulin and telemedicine services. Approximately \$493,000 was earned from the sale of Remodulin to foreign distributors for the use in government-reimbursed patients in certain European countries. Approximately \$1.1 million of these revenues was earned from the resale of pumps and supplies to distributors. Sales of cardiac monitoring devices and services totaled approximately \$2.8 million of these revenues. Sales of HeartBar products totaled approximately \$542,000. Approximately \$801,000 of these revenues was earned by United Therapeutics' synthesis and manufacturing division for the synthesis and manufacture of complex molecules for third parties.

Research and development expenses consist primarily of costs to acquire pharmaceutical products and product rights for development and amounts paid to contract research organizations, hospitals and laboratories for the provision of services and materials for drug development and clinical trials. Research and development expenses were \$32.6 million for the year ended December 31, 2001, as compared to approximately \$70.2 million for the year ended December 31, 2000. The decrease of approximately \$37.6 million was due primarily to the expenditure in 2000 of approximately \$19.8 million in licensing fees (consisting of \$1.0 million in cash and common stock valued at \$18.8 million) to obtain the exclusive rights to develop sustained release formulations of beraprost in the United States and Canada and expenses of approximately \$16.9 million related to the acquisition of in-process research and development (see *In-Process Research & Development*).

General and administrative expenses consist primarily of salaries, office expenses and professional fees, provisions for doubtful accounts receivable and obsolete inventory, depreciation and amortization. General and administrative expenses were \$13.6 million for the year ended December 31, 2001, as compared to \$11.7 million for the year ended December 31, 2000. This increase was primarily due to increased expenses in 2001 of approximately \$564,000 related to provisions for doubtful accounts receivable and obsolete inventory, and approximately \$1.9 million of increased depreciation and amortization of goodwill and other intangible assets resulting from the acquisitions of Medcomp, Inc., Telemedical Procedures, LLC and Cooke Pharma, Inc. in December 2000. These increases were offset by a nonrecurring grant in 2000 of stock totaling \$1.5 million.

Sales and marketing consists of the salaries, travel and other expenses necessary to market United Therapeutics' products. Sales and marketing expenses were approximately \$3.4 million for the year ended December 31, 2001, as compared to approximately \$17,000 for the year ended December 31, 2000. This increase was due primarily to expanded activities related to subsidiaries acquired in late 2000.

Cost of sales consists of the cost to manufacture or acquire products that are sold to customers. Cost of sales were approximately \$3.1 million for the year ended December 31, 2001, as compared to approximately \$1.6 million for the year ended December 31, 2000. This increase was due primarily to sales by subsidiaries acquired in late 2000.

There was no write-down of investment for the year ended December 31, 2001 as compared to \$4.8 million for the year ended December 31, 2000. The write-down in 2000 related to United Therapeutics' investment in Synergy Pharmaceuticals, Inc.

Interest income for the year ended December 31, 2001 was \$10.0 million, as compared to approximately \$10.7 million for the year ended December 31, 2000. This decrease was attributable primarily to decrease in the amount of cash available for investing due to cash used for operations.

Years ended December 31, 2000 and 1999

Revenues for the year ended December 31, 2000 were approximately \$2.0 million, as compared to approximately \$436,000 for the year ended December 31, 1999. The increase was due primarily to increases in synthesis and manufacturing revenues and from sales of Remodulin pumps and supplies. Approximately \$1.1 million of these revenues was earned by United Therapeutics' synthesis and manufacturing division for the synthesis and manufacture of complex molecules for third parties. Approximately \$740,000 of these revenues was earned from the resale of pumps and supplies to distributors in connection with United Therapeutics' lead product, Remodulin.

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Approximately \$150,000 of these revenues was earned under the orphan drug grant awarded by the FDA related to United Therapeutics development of Remodulin for the treatment of primary pulmonary hypertension.

Research and development expenses consist primarily of costs to acquire pharmaceutical products and product rights for development and amounts paid to contract research organizations, hospitals and laboratories for the provision of services and materials for drug development and clinical trials. Research and development expenses were \$70.2 million for the year ended December 31, 2000, as compared to \$30.7 million for the year ended December 31, 1999. The increase of approximately \$39.5 million was due primarily to the expenditure of approximately \$19.8 million in licensing fees (consisting of \$1.0 million in cash and common stock valued at \$18.8 million) in June 2000 to obtain the exclusive rights to develop sustained release formulations of beraprost in the United States and Canada, increased expenses of approximately \$7.3 million related to patient enrollment in United Therapeutics clinical trials, increased expenses of approximately \$16.9 million related to the acquisition of in-process research and development (see *In-Process Research & Development*), and increased expenses of approximately \$4.1 million related to other research. The increase was offset by the prior year expenditure of \$9.1 million in licensing fees (consisting of \$100,000 in cash and common stock valued at \$9.0 million) in 1999 to obtain the exclusive rights to develop the immediate release formulation of beraprost in the United States and Canada.

General and administrative expenses consist primarily of salaries, office expenses and professional fees. General and administrative expenses were \$11.7 million for the year ended December 31, 2000, as compared to \$5.0 million for the year ended December 31, 1999. This increase was due primarily to nonrecurring grants of approximately \$2.5 million of stock and options and increased expenses of approximately \$3.2 million related to professional fees, increased staffing and related travel to support expanded operations.

Cost of sales consists of the cost to manufacture or acquire products that are sold to customers. Cost of sales were approximately \$1.6 million for the year ended December 31, 2000, as compared to approximately \$164,000 for the year ended December 31, 1999. This increase was due primarily to increased sales of Remodulin pumps and supplies to distributors.

The write-down of investment totaled \$4.8 million during the year ended December 31, 2000 as compared to zero for the year ended December 31, 1999. The write-down in 2000 related to United Therapeutics investment in Synergy Pharmaceuticals, Inc.

Interest income for the year ended December 31, 2000 was \$10.7 million, as compared to approximately \$1.9 million for the year ended December 31, 1999. This increase was attributable primarily to an increase in the amount of cash available for investing resulting from sales of common stock since December 31, 1999, less amounts used for operations.

In-Process Research & Development

During 2000, United Therapeutics acquired the assets and assumed certain liabilities of Cooke Pharma, Inc. in a purchase transaction which resulted in a write-off of in-process research and development (IPR&D) related to in-process projects that had not yet reached technological feasibility and had no alternative future uses. The projects under development at the valuation date were expected to address the coronary and peripheral arterial disease markets as well as the market of persons that are at risk of developing some form of heart disease. It was anticipated that research and development related to these projects would be completed by 2002. However, United Therapeutics has decided to initiate studies of arginine in pulmonary hypertension prior to coronary and peripheral arterial diseases. These studies in pulmonary hypertension are expected to commence in 2002 and be completed in 2003. The delay in the coronary and peripheral arterial disease studies is not expected to have a material impact on United Therapeutics.

Also during 2000, United Therapeutics acquired the assets of Medicomp, Inc. in a purchase transaction which resulted in a write-off of IPR&D related to in-process projects that had not yet reached technological feasibility and had no alternative future uses. At the acquisition date, Medicomp was conducting design, development, engineering and testing activities associated with the completion of a number of new technological innovations that were integral to Medicomp's plan to launch a first generation automatic wireless heart monitoring system. It was anticipated that completion of these projects would range from 9 to 12 months. Completion is expected to occur in 2002. This delay is not expected to have a material impact on United Therapeutics.

Liquidity And Capital Resources

Until June 1999, United Therapeutics financed its operations principally through various private placements of common stock. On June 17, 1999, United Therapeutics completed an initial public offering of 4.5 million shares of common stock at \$12.00 per share. Net proceeds to United Therapeutics, after deducting underwriting commissions and offering expenses, were approximately \$48.9 million. On July 16, 1999, United Therapeutics closed on the sale of 675,000 over-allotment shares to its underwriters and received net proceeds, after deducting underwriting commissions and offering expenses, of approximately \$7.5 million. On January 18, 2000, United Therapeutics closed on the sale of 2.5 million shares of common stock at \$32.00 per share in a private placement and received net proceeds, after deducting underwriting commissions and offering expenses, of approximately \$74.8 million. On July 20, 2000, United Therapeutics closed on the sale of 1.3 million shares of its common stock at \$110.00 per share in a private placement and received net proceeds, after deducting underwriting commissions and offering expenses, of approximately \$134.3 million.

United Therapeutics working capital at December 31, 2001 was \$58.2 million, as compared with \$210.6 million at December 31, 2000. This reduction is primarily due to the investment in long-term marketable investments of approximately \$116.2 million as of December 31, 2001 and cash used for operations. These long-term marketable investments consist of federally sponsored and corporate debt securities maturing in 2002 through 2006. Current liabilities at December 31, 2001 were approximately \$10.8 million, as compared with \$11.5 million at December 31, 2000. United Therapeutics debt at December 31, 2001 and 2000 was \$1.9 million and consisted of equipment leases and two mortgage notes, one secured by a certificate of deposit, and both secured by the buildings and property owned by United Therapeutics located at 1106 & 1110 Spring Street in Silver Spring, Maryland. Both mortgages are payable in monthly installments over 30 years.

Net cash used in operating activities was approximately \$38.9 million, \$31.1 million and \$23.7 million for the years ended December 31, 2001, 2000 and 1999, respectively. The increases resulted primarily from the expansion of United Therapeutics operations. For the years ended December 31, 2001, 2000 and 1999, United Therapeutics spent approximately \$687,000, \$640,000 and \$2.0 million, respectively, of cash for property, plant and equipment. Net purchases and sales of marketable investments used approximately \$134.1 million of cash in the year ended December 31, 2001, provided approximately \$19.8 million of cash in the year ended December 31, 2000, and used approximately \$21.8 million of cash in the year ended December 31, 1999. Net cash used in financing activities was approximately \$2.9 million for the year ended December 31, 2001 and was primarily used to repurchase shares of United Therapeutics common stock. The stock repurchase program expired in December 2001. Net cash provided by financing activities was approximately \$206.6 million for the year ended December 31, 2000 and was derived primarily from the private placements of common stock in January and July 2000. Net cash provided by financing activities was approximately \$59.3 million for the year ended December 31, 1999 and was primarily derived from the proceeds of the initial public offering of common stock in June 1999.

United Therapeutics has contracted with various companies and research organizations to coordinate and perform clinical trials and to provide other services related to the development of Remodulin and other products. It is anticipated that approximately \$1.4 million in cash will be used during 2002 under these agreements. These expenses will be funded from existing working capital. United Therapeutics expects to make milestone payments pursuant to existing license agreements of up to approximately \$220,000 during 2002. United Therapeutics expects to make royalty payments relating to sales of Remodulin and other products during 2002. The royalties will range from 1% to 10% of sales from these products. United Therapeutics anticipates that its existing research and development and general and administrative programs will require similar levels of working capital as has been used in recent years.

In December 2000, United Therapeutics provided guidance in respect of revenues from the expected sales of its lead drug, Remodulin, based on the prior assumption of FDA approval of Remodulin by April 16, 2001. United Therapeutics believes that its prior revenue projections will be adversely affected by the time delay in commercial launch of Remodulin, the extent of which is not known. United Therapeutics expects that existing capital resources (comprised of cash and marketable investments) will be adequate to fund its operations through 2004. United Therapeutics future capital requirements and the adequacy of its available funds will depend on many factors, including:

- Regulatory approval of Remodulin;
- Size and scope of Remodulin post marketing Phase IV clinical studies;
- Size and scope of its development efforts for existing and additional products;

Future milestone and royalty payments;
Cost, timing and outcomes of regulatory reviews;
Rate of technological advances;
Status of competitive products;
Defending and enforcing intellectual property rights;
Development of manufacturing resources or the establishment, continuation or termination of third-party manufacturing arrangements;
Establishment, continuation or termination of third-party clinical trial arrangements;
Development of sales and marketing resources or the establishment, continuation or termination of third-party sales and marketing arrangements;
Establishment of additional strategic or licensing arrangements with other companies; and
Risks associated with acquisitions, including the ability to integrate acquired businesses.

As of December 31, 2001, United Therapeutics had available approximately \$95.9 million in net operating loss carryforwards and \$24.7 million in business tax credit carryforwards for federal income tax purposes that expire at various dates through 2020. A portion of these carryforward items is subject to certain limitations. United Therapeutics does not believe that the limitations will cause the net operating loss and general business credit carryforwards to expire unused.

Summary of Critical Accounting Policies

Marketable Investments

United Therapeutics invests portions of its cash in marketable debt securities. Due to United Therapeutics' intent and ability to hold these investments until their maturities, they are reported at their amortized cost in the consolidated balance sheets. Had these investments been reported at their current fair values, United Therapeutics would have reported a net unrealized investment loss of approximately \$793,000 for the year ended December 31, 2001 and a net unrealized investment gain of approximately \$3,000 for the year ended December 31, 2000.

Inventory Capitalization

United Therapeutics capitalizes inventory costs associated with the synthesis and manufacture of Remodulin prior to regulatory approval, based on management's judgment of probable future commercialization. United Therapeutics would be required to expense previously capitalized costs related to pre-approval inventory upon a change in such judgment, due to, among other factors, a decision denying approval of the product candidate by the necessary regulatory bodies. At December 31, 2001, capitalized inventory related to Remodulin totaled \$3.4 million.

Stock Options

United Therapeutics applies the principles of APB No. 25 in accounting for its stock options issued to its employees. Had it applied the principles of SFAS No. 123 for its employee options, its net loss for the years ended December 31, 2001, 2000 and 1999 would have increased by \$13.0 million, \$42.5 million and \$1.3 million, respectively.

Investments in Affiliates

The equity method of accounting is used to account for most investments in United Therapeutics' affiliates. The equity method of accounting generally requires United Therapeutics to report its share of the affiliates' net losses or profits in its financial statements, but does not require that assets, liabilities, revenues and expenses of the affiliates be consolidated with United Therapeutics' financial statements. The equity method of accounting is being applied generally due to the lack of control over these affiliates and the levels of ownership held by United Therapeutics.

Options Issued in Exchange for License

In connection with the license from Toray Industries for the sustained release formulation of beraprost, United Therapeutics agreed to grant 500,000 options to Toray upon Toray's transfer of clinical trial material for use in clinical trials in the U.S. These options will not be priced until the clinical trial material milestone has been met by Toray. Before Toray can produce the clinical trial material, it will need to complete formulation, preclinical testing

and early clinical studies. Due to the uncertainties in drug development, it is not yet known if Toray will provide the appropriate clinical trial material. Therefore, in accordance with EITF Issue No. 96-18, *Accounting for Equity Instruments that are Issued to Other than Employees*, these options are measured at their lowest aggregate fair value at each interim reporting date, which amount has been zero. As a result, no expense related to these options has been recorded in the consolidated financial statements.

Recent Accounting Pronouncements

In July 2001, the Financial Accounting Standards Board (the FASB) issued SFAS No. 141, *Business Combinations* (SFAS 141), and SFAS No. 142, *Goodwill And Other Intangible Assets* (SFAS 142). SFAS 141 addresses the accounting for acquisitions of businesses and is effective for acquisitions occurring on or after July 1, 2001. SFAS 142 addresses the method of identifying and measuring goodwill and other intangible assets acquired in a business combination, eliminates further amortization of goodwill, and requires periodic evaluations of impairment of goodwill balances. SFAS 142 is effective for the Company's fiscal year beginning January 1, 2002. The Company amortized \$1.1 million and \$495,000 of goodwill during the years ended December 31, 2001 and 2000, respectively. Unamortized goodwill at January 1, 2002, the date of adoption, was approximately \$7.5 million. All other unamortized intangible assets totaled \$7.9 million at January 1, 2002.

In October 2001, the FASB issued SFAS No. 144, *Accounting for Impairment or Disposal of Long-Lived Assets* (SFAS 144). The provisions of SFAS 144 require the use of a consistent accounting model for long-lived assets to be disposed of by sale, whether previously held and used or newly acquired and extend the presentation of discontinued operations to include more disposal transactions. SFAS 144 is effective for the Company's fiscal year beginning January 1, 2002.

The Company has not yet completed its assessment of the impact of the adoption of these new standards.

Recent Developments

On February 8, 2002, the FDA notified United Therapeutics that its lead product Remodulin was deemed approvable for the indication of pulmonary arterial hypertension for patients with NYHA class II-IV symptoms. Final FDA approval is subject to the FDA's agreement on the product label and United Therapeutics' agreement to perform a post marketing Phase IV clinical study to further assess Remodulin's clinical benefits in pulmonary arterial hypertension. United Therapeutics has agreed to perform the post marketing Phase IV clinical study and is currently discussing the content of the study protocol and the product label with the FDA.

ITEM 8: FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

UNITED THERAPEUTICS CORPORATION

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Independent Auditors' Report

The Board of Directors
United Therapeutics Corporation:

We have audited the accompanying consolidated balance sheets of United Therapeutics Corporation and subsidiaries (the Company) as of December 31, 2001 and 2000, and the related consolidated statements of operations, stockholders' equity, and cash flows for each of the years in the three-year period ended December 31, 2001. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the consolidated financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall consolidated financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of United Therapeutics Corporation and subsidiaries as of December 31, 2001 and 2000, and the results of their operations and their cash flows for each of the years in the three-year period ended December 31, 2001, in conformity with accounting principles generally accepted in the United States of America.

KPMG LLP

McLean, Virginia
February 22, 2002

UNITED THERAPEUTICS CORPORATION

Consolidated Balance Sheets

	December 31,	
	2001	2000
Assets		
Current assets:		
Cash and cash equivalents	\$ 24,372,675	\$ 200,935,244
Marketable investments (note 9)	31,676,959	14,483,637
Accounts receivable, net of allowance of \$197,742 and \$98,281 for 2001 and 2000, respectively	1,451,536	1,534,362
Interest receivable	2,772,147	
Prepaid expenses	916,641	1,077,608
Inventories (note 2)	6,024,574	2,896,469
Other current assets	1,788,149	1,192,784
Total current assets	69,002,681	222,120,104
Property, plant, and equipment, net (note 2)	6,403,414	5,939,036
Certificate of deposit	605,135	571,445
Goodwill and other intangible assets, net (notes 2 and 11)	15,365,275	17,549,224
Marketable investments (note 9)	116,249,015	
Investments in affiliates (note 11)	4,341,835	4,348,693
Other	154,016	116,482
Total assets	\$ 212,121,371	\$ 250,644,984
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 6,348,952	\$ 5,273,445
Accounts payable to affiliate (note 3)	318,156	678,897
Accrued expenses (note 13)	3,453,626	4,522,550
Due to affiliate (note 11)	500,000	946,497
Current portion of notes and leases payable (note 8)	101,794	70,803
Other current liabilities	75,339	
Total current liabilities	10,797,867	11,492,192
Notes and leases payable, excluding current portion (note 8)	1,836,406	1,835,960
Due to affiliate (note 11)	3,079,111	2,385,229
Other liabilities	8,863	193,821
Total liabilities	15,722,247	15,907,202
Commitments and contingencies (notes 5 and 10)		
Stockholders' equity (note 6):		
Preferred stock, par value \$.01, 10,000,000 shares authorized at December 31, 2001 and 2000, no shares issued		
Series A junior participating preferred stock, par value \$.01, 100,000 authorized at December 31, 2001 and 2000, no shares issued		

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Common stock, par value \$.01, 100,000,000 shares authorized at December 31, 2001 and 2000, 20,751,820 and 20,740,086 shares issued at December 31, 2001 and 2000, respectively, 20,225,220 and 20,434,086 shares outstanding at December 31, 2001 and 2000, respectively	207,519	207,401
Additional paid-in capital	365,235,398	363,484,585
Accumulated deficit	(162,169,637)	(124,881,888)
Treasury stock at cost, 526,600 and 306,000 shares at December 31, 2001 and 2000, respectively	(6,874,156)	(4,072,316)
	<u>196,399,124</u>	<u>234,737,782</u>
Total stockholders' equity	196,399,124	234,737,782
	<u>\$ 212,121,371</u>	<u>\$ 250,644,984</u>
Total liabilities and stockholders' equity	\$ 212,121,371	\$ 250,644,984

See accompanying notes to consolidated financial statements.

UNITED THERAPEUTICS CORPORATION

Consolidated Statements of Operations

	Years Ended December 31,		
	2001	2000	1999
Revenues:			
Product sales	\$ 2,565,307	\$ 780,145	\$
Service sales	2,528,864	702,913	225,245
Service sales to affiliates (note 3)	541,200	416,200	
Grant revenue	96,331	150,000	211,250
Total revenues	5,731,702	2,049,258	436,495
Operating expenses:			
Research and development	32,590,191	70,187,748	30,715,255
General and administrative	13,558,772	11,719,578	4,977,983
Sales and marketing	3,384,376	16,566	
Cost of product sales	1,458,492	768,806	
Cost of service sales	1,678,660	857,245	164,147
Total operating expenses	52,670,491	83,549,943	35,857,385
Loss from operations	(46,938,789)	(81,500,685)	(35,420,890)
Other income (expense):			
Interest income	10,020,530	10,693,239	1,925,326
Interest expense	(172,718)	(120,035)	(57,744)
Equity loss in affiliate	(257,243)		
Write-down of investment (note 4)		(4,789,592)	
Other net	60,471	108,583	50,064
Total other income, net	9,651,040	5,892,195	1,917,646
Net loss before income tax	(37,287,749)	(75,608,490)	(33,503,244)
Income tax (note 7)			(3,454)
Net loss	(\$37,287,749)	(\$75,608,490)	(\$33,506,698)
Net loss per common share basic and diluted	(\$1.84)	(\$3.93)	(\$2.51)
Weighted average number of common shares outstanding basic and diluted	20,285,732	19,237,473	13,374,294

See accompanying notes to consolidated financial statements.

UNITED THERAPEUTICS CORPORATION

Consolidated Statements of Stockholders' Equity

	Common Stock		Additional	Treasury	Accumulated	Total
	Shares	Amount	Paid-in Capital	Stock	Deficit	
Balance, December 31, 1998	10,115,597	\$ 101,156	\$ 32,341,370	\$	(\$15,766,700)	\$ 16,675,826
Issuance of common stock through private sales	111,370	1,114	1,989,251			1,990,365
Issuance of common stock through initial public offering	4,500,000	45,000	48,826,737			48,871,737
Issuance of common stock to underwriters for over-allotment shares	675,000	6,750	7,507,759			7,514,509
Stock issued for exclusive license agreement	500,000	5,000	8,995,000			9,000,000
Stock issued for acquisition of SynQuest, Inc.	101,251	1,012	2,802,051			2,803,063
Options issued in exchange for services			216,748			216,748
Net loss					(33,506,698)	(33,506,698)
Balance, December 31, 1999	16,003,218	160,032	102,678,916		(49,273,398)	53,565,550
Issuance of common stock through private sales	3,800,000	38,000	209,006,858			209,044,858
Stock issued for acquisition of Cooke Pharma, Inc.	294,635	2,946	15,668,984			15,671,930
Stock issued for acquisition of Medicomp, Inc. and Telemedical Procedures, LLC	257,142	2,571	11,860,274			11,862,845
Stock issued for investment in Synergy Pharmaceuticals, Inc.	21,978	220	1,729,449			1,729,669
Adjustment to SynQuest, Inc. escrow	(5,198)	(52)	(148,036)			(148,088)
Options issued in exchange for services			1,310,270			1,310,270
Stock issued for exclusive license agreement	200,000	2,000	18,768,000			18,770,000
Stock issued in exchange for services	16,249	163	1,071,520			1,071,683
Exercise of stock options	152,062	1,521	1,538,350			1,539,871
Purchases of treasury stock				(4,072,316)		(4,072,316)
Net loss					(75,608,490)	(75,608,490)
Balance, December 31, 2000	20,740,086	207,401	363,484,585	(4,072,316)	(124,881,888)	234,737,782
Stock issued in exchange for services	9,868	99	749,901			750,000
Options issued in exchange for services			995,332			995,332
Exercise of stock options	1,866	19	5,580			5,599
Purchases of treasury stock				(2,801,840)		(2,801,840)
Net loss					(37,287,749)	(37,287,749)

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Balance, December 31, 2001	<u>20,751,820</u>	<u>\$207,519</u>	<u>\$365,235,398</u>	<u>(\$6,874,156)</u>	<u>(\$162,169,637)</u>	<u>\$196,399,124</u>
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See accompanying notes to consolidated financial statements.

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UNITED THERAPEUTICS CORPORATION

Consolidated Statements of Cash Flows

	Years Ended December 31,		
	2001	2000	1999
Cash flows from operating activities:			
Net loss	(\$37,287,749)	(\$75,608,490)	(\$33,506,698)
Adjustments to reconcile net loss to net cash used in operating activities:			
Depreciation and amortization	2,821,154	913,986	311,150
Loss on disposals of equipment	26,564	24,813	9,168
Provision for bad debt	279,526		
Stock issued for exclusive license agreements		18,770,000	9,000,000
Stock and options issued in exchange for services	995,332	2,381,953	216,748
Acquired in-process research and development		16,863,700	
Write-down of investment		4,789,592	
Write-down of inventory	284,393		
Write-down of intangibles	221,414		
Amortization of premiums and discounts on marketable investments	693,631	(993,722)	(1,561,899)
Equity loss in affiliate	257,243		
Changes in operating assets and liabilities, net of effects of acquisitions:			
Accounts receivable	(196,700)	(398,193)	(79,554)
Interest receivable	(2,772,147)		
Inventories	(4,035,729)	(2,115,049)	
Prepaid expenses	160,967	(509,131)	(69,679)
Other current assets	(595,365)	242,271	(221,405)
Other noncurrent assets	(37,534)	(10,723)	(91,942)
Accounts payable	1,825,507	2,530,274	221,710
Accrued expenses	(1,068,924)	1,908,217	2,068,606
Accounts payable due to affiliate	(360,741)		
Payroll taxes withheld		(64,537)	(4,263)
Other liabilities	(109,619)	160,192	14,903
Net cash used in operating activities	(38,898,777)	(31,114,847)	(23,693,155)
Cash flows from investing activities:			
Purchases of property, plant, and equipment	(687,293)	(639,875)	(1,994,620)
Proceeds from disposals of property, plant and equipment	40,000		2,350
Investment in Northern Therapeutics, Inc.		(1,000,000)	
Investment in Synergy Pharmaceuticals, Inc.		(3,059,919)	
Acquisition of SynQuest, net of cash acquired			(312,626)
Acquisition of Cooke Pharma, net of cash acquired		194,023	
Acquisition of Medicomp, net of cash acquired		(8,131,432)	
Purchases of marketable investments and certificates of deposit	(152,519,965)	(56,658,901)	(114,325,864)
Maturities of marketable investments	18,385,765	76,453,000	92,565,000
Net cash provided by (used in) investing activities	(134,781,493)	7,156,896	(24,065,760)

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Cash flows from financing activities:			
Proceeds from issuance of common stock		209,044,858	58,376,611
Purchases of common stock	(2,801,840)	(4,072,316)	
Deferred offering costs		159,418	(159,418)
Proceeds from exercise of stock options	5,599	1,539,871	
Proceeds from notes payable			1,798,000
Payments of principal on notes payable	(17,292)	(16,658)	(742,907)
Principal payments under capital lease obligations	(68,766)	(41,861)	(12,555)
Net cash provided by (used in) financing activities	(2,882,299)	206,613,312	59,259,731
Net increase (decrease) in cash and cash equivalents	(176,562,569)	182,655,361	11,500,816
Cash and cash equivalents, beginning of year	200,935,244	18,279,883	6,779,067
Cash and cash equivalents, end of year	\$ 24,372,675	\$ 200,935,244	\$ 18,279,883

Continued

UNITED THERAPEUTICS CORPORATION
Consolidated Statements of Cash Flows, continued

	Years ended December 31,		
	2001	2000	1999
Supplemental schedule of noncash investing and financing activities:			
Stock issued for investment in Synergy Pharmaceuticals, Inc.	\$	\$ 1,729,669	\$
Stock issued for acquisition of SynQuest, Inc.	\$	\$	\$ 2,803,063
Stock issued for acquisition of Cooke Pharma, Inc.	\$	\$ 15,671,930	\$
Stock issued for acquisition of Medicomp, Inc. and Telemedical Procedures LLC	\$	\$ 11,862,845	\$
Equipment acquired under a capital lease	\$ 117,495	\$	\$ 16,629
Supplemental cash flow information cash paid for interest	\$ 154,910	\$ 119,018	\$ 57,744

See accompanying notes to consolidated financial statements.

UNITED THERAPEUTICS CORPORATION

Notes to Consolidated Financial Statements

1. Organization and Business Description

United Therapeutics Corporation (the Company) is a biotechnology company focused on commercialization of unique therapeutic products to treat patients with chronic and life-threatening cardiovascular, infectious and oncological diseases. The Company was incorporated on June 26, 1996 under the laws of the State of Delaware and has four wholly owned subsidiaries: Lung Rx, Inc., Unither Pharmaceuticals, Inc. (UPI), Unither Telemedicine Services Corp. (UTSC), and United Therapeutics Europe, Ltd.

In February 2002, the FDA informed the Company that Remodulin was approvable for the indication of pulmonary arterial hypertension in patients with NYHA class II-IV symptoms. Final approval is conditioned on the FDA's acceptance of the product label and the Company's agreement to perform a post marketing Phase IV clinical study to further assess the clinical benefits of Remodulin. The Company has agreed to perform the post marketing Phase IV clinical study and negotiations for final approval are underway. Planning is also underway for the clinical study of Remodulin in critical limb ischemia and metastatic lung cancer. Preclinical development of the iminosugar UT231B is nearing completion and planning is underway for its first study in patients with hepatitis C for late 2002.

The Company has trained over 400 physicians in the use of its arginine supplementation therapy, a product called the HeartBar, in the dietary management of vascular disease. In addition, the Company now produces a double-strength version of its HeartBar, called HeartBar Plus, with six grams of arginine.

The Company has grown its telemedicine business, operating under the name Medicomp, to over 2,000 telecardiology procedures per month. Medicomp was also awarded a contract to provide telecardiology monitors for astronauts on the International Space Station.

2. Summary of Significant Accounting Policies*Principles of Consolidation*

The consolidated financial statements include the financial statements of United Therapeutics Corporation and its wholly owned subsidiaries. All significant intercompany balances and transactions are eliminated in consolidation.

Cash Equivalents

Cash equivalents consist of highly liquid investments with original maturities of three months or less. Cash equivalents consist of money market funds, commercial paper, and certificates of deposit and amount to approximately \$24.4 million and \$200.9 million at December 31, 2001 and 2000, respectively.

Inventories

The Company manufactures certain compounds and purchases medical supplies for use in its ongoing clinical trials. The Company purchases components and assembles cardiac monitoring equipment. The Company contracts with a third party manufacturer to make the HeartBar products. These inventories are accounted for under the first-in, first-out method. At December 31, 2001 and 2000, inventories consisted of the following:

	December 31,	
	2001	2000
Remodulin	\$ 3,404,731	\$ 1,775,047
Medical supplies	1,283,500	280,771
Raw chemical materials		30,015
Cardiac monitoring equipment components	543,792	485,931
HeartBar products	792,551	324,705

\$6,024,574

\$2,896,469

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Property, Plant, and Equipment

Property, plant, and equipment are stated at cost. Depreciation is computed using the straight-line method over the estimated useful lives of the assets. Estimated useful lives of the assets are as follows:

Building and improvements	39 years
Furniture and equipment	3-10 years
Holter and event cardiac monitoring systems	5 years
Leasehold improvements	Life of the lease or asset, whichever is shorter

Property, plant, and equipment at December 31, 2001 and 2000 consisted of the following:

	December 31,	
	2001	2000
Land	\$ 421,431	\$ 421,431
Buildings and improvements	2,722,416	2,516,264
Holter and event monitor systems	2,095,525	1,457,248
Furniture and equipment	2,530,754	2,035,752
	<u>7,770,126</u>	<u>6,430,695</u>
Less accumulated depreciation	(1,366,712)	(491,659)
	<u>\$ 6,403,414</u>	<u>\$ 5,939,036</u>

Research and Development

Research and product development costs are expensed as incurred. Acquired in-process research and development is expensed if technological feasibility has not been demonstrated and there is no alternative use for the in-process technology.

Licensed Technology

Costs incurred in obtaining the license rights to technology in the research and development stage and that have no alternative future uses are expensed as incurred and in accordance with the specific contractual terms of the applicable license agreements.

Income Taxes

Income taxes are accounted for in accordance with Financial Accounting Standards Board Statement No. 109 (SFAS No. 109). Under the asset and liability method of SFAS No. 109, deferred tax assets and liabilities are determined based on the differences between the financial reporting and the tax bases of assets and liabilities and are measured using the tax rates and laws that are expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled.

Marketable Investments

The Company's marketable investments are considered held-to-maturity securities. Held-to-maturity securities are those securities which the Company has the ability and intent to hold until maturity and are recorded at amortized cost, adjusted for the amortization or accretion of premiums or discounts. Premiums and discounts are amortized or accreted over the life of the related held-to-maturity security as an adjustment to yield using the effective interest method.

Goodwill and Other Intangible Assets

Goodwill represents the excess of purchase price and related costs over the value assigned to the net tangible and intangible assets of the business acquired. Goodwill resulting from the purchase of SynQuest, Inc. was amortized using the straight-line method over five years. Goodwill resulting from the purchase of Medicomp was amortized using the straight-line method over a twenty-year life. Other intangible assets resulting from these purchases relate to covenants not to compete, employment agreements, technology, patents, and trade names and were determined on the basis of independent valuations. The other intangibles are being amortized over three to eighteen years, consistent with the terms of the underlying agreements. Total amortization expense was approximately \$1,963,000, \$602,000, and \$154,000 for the years ended December 31, 2001, 2000, and 1999, respectively.

Periodically, the Company reviews the recoverability of goodwill and other intangible assets. The measurement of possible impairment is based primarily on the ability to recover the balance of the goodwill and other intangible assets from expected future operating cash flows on an undiscounted basis. Impairment losses are recognized when expected future cash flows are estimated to be less than the asset's carrying value. In management's opinion, no material impairment exists at December 31, 2001.

Goodwill and other intangibles at December 31, 2001 and 2000 were comprised as follows:

	December 31,	
	2001	2000
Goodwill	\$ 9,072,419	\$ 9,381,676
Noncompete agreement	273,000	273,000
Trademarks and patents	7,230,473	7,214,879
Technology	1,435,993	1,435,993
	<u>18,011,885</u>	<u>18,305,548</u>
Less accumulated amortization	(2,646,610)	(756,324)
	<u>\$ 15,365,275</u>	<u>\$ 17,549,224</u>

During the year ended December 31, 2001, the Company wrote down its net workforce-in-place by approximately \$221,000 related to employees who terminated from service in 2001. Workforce-in-place is classified as goodwill in the table shown above.

Investments in Affiliates

The investments in affiliate represent the Company's investments in Northern Therapeutics, Preventis, and WonderClick (note 11) which are being accounted for on the equity method of accounting. Also represented in this account is the investment in Synergy (note 4) which is being accounted for on the cost method.

Fair Value of Financial Instruments

The carrying amounts of cash and cash equivalents, marketable investments, accounts receivables, accounts payable, and accrued expenses, approximate fair value due to their short maturities. The carrying amount of the Company's notes payable approximate fair value, since they are adjustable rate notes.

Loss per Common Share

Basic loss per common share is computed by dividing net loss by the weighted average number of shares of common stock outstanding during the year. Common stock equivalents for the year ended December 31, 2001 consisted of options and warrants totaling approximately 164,000 shares. Common stock equivalents are not included in the calculation as their effect would be anti-dilutive. Accordingly, diluted loss per common share is the same as basic loss per common share.

Use of Estimates

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The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements. Estimates also affect the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates.

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Stock Option Plan

The Company applies the provisions of SFAS No. 123, Accounting for Stock-Based Compensation, to account for its stock options. SFAS No. 123 allows companies to continue to apply the provisions of APB Opinion No. 25 and provide pro forma net income and pro forma earnings per share disclosures for employee stock options granted as if the fair-value-based method defined in SFAS No. 123 had been applied. The Company has elected to apply the provisions of APB Opinion No. 25 and provide the pro forma disclosures of SFAS No. 123. The Company accounts for non-employee stock option awards in accordance with SFAS No. 123.

Revenues

Revenues are recognized in the financial statements only when considered realizable and earned.

Service sales from the synthesis and manufacture of complex compounds by the Company's manufacturing division were generally made under fixed price agreements. The Company recognizes revenue based on the percentage-of-completion method. Billings in excess of amounts recognized as revenues are reported as deferred revenues. Losses on these contracts, if any, are recognized as soon as they are anticipated.

Product sales from HeartBar products are recognized when delivered to customers. If the products are consigned, sales are recognized in the period that the consignee has sold the product. Product sales are recorded net of allowances for estimated returns and rebates.

Product sales of Holter and event monitor systems are recognized when delivered to customers.

Service sales from monitoring analysis services is recognized when the service is performed and the analysis has been delivered.

Product sales of Remodulin and Remodulin delivery pumps and related supplies are recognized when delivered to customers on a gross basis.

Grant and contract service revenues are recognized on the percentage-of-completion basis.

Deferred Offering Costs

Costs incurred in connection with the Company's planned sale of common stock in a private placement were deferred and reported as assets in the accompanying balance sheets. Upon successful completion of the sale, these deferred offering costs were netted against the additional paid-in capital resulting from the sale.

Treasury Stock

Treasury stock is reported at cost, including commissions and fees.

Concentrations of Suppliers

The Company currently relies on a single supplier to test the purity and stability of each batch of Remodulin and a single supplier for the delivery device to administer Remodulin to patients. Additionally, Remodulin is formulated, packaged and warehoused by a single formulator. Although there are a limited number of companies that could replace each of these suppliers, management believes that other suppliers could provide similar services and materials. A change in suppliers, however, could cause a delay in distribution of Remodulin, and in the conduct of clinical trials and commercial launch, which would adversely affect the Company's research and development efforts, and future sales efforts.

The company relies solely on Toray to manufacture beraprost under an exclusive licensing agreement (see note 4). If this agreement was terminated, the Company would have no other source for this compound.

The Company relies solely on one manufacturer to manufacture its HeartBar products. Although there are a limited number of companies that could replace this supplier, management believes that other suppliers could provide similar services and materials. A change in supplier, however, could cause a delay in the manufacture and distribution of HeartBar which would adversely affect the Company's sales efforts.

Reclassifications

Certain amounts in the 2000 consolidated financial statements were reclassified to conform to the 2001 presentation.

3. Related Party Transactions

Office Leases

In December 2001, a subsidiary of the Company leased office space from Beacon Projects, Inc., a company owned by the Chairman and CEO of the Company. Rents due under this two-year lease will total \$144,000 and are paid in monthly installments.

In March 1999 and December 2000, Unither Telemedicine Services Corporation entered into lease agreements for office space from Beacon Projects, Inc. The Company incurred expenses of approximately \$44,000, \$44,000, and \$28,000 during the years ended December 31, 2001, 2000, and 1999, respectively. These leases were terminated in June 2001.

Legal Services

During 2001, 2000, and 1999, the Company obtained professional services from a law firm affiliated with the General Counsel and the Chairman and CEO. The Company incurred expenses of approximately \$212,000, \$783,000 and \$338,000 during the years ended December 31, 2001, 2000, and 1999, respectively, for services rendered by the law firm. The Chairman and CEO does not receive compensation from the law firm. In June 2001, the General Counsel joined the Company as a full time employee and the arrangement with the law firm for professional services was terminated.

Research Agreement

During 1998, the Company entered into a cooperative drug discovery agreement with William Harvey Research Limited (WHR) (see note 5). The Chairman and CEO of the Company is a volunteer unpaid President of William Harvey Medical Research Foundation, an affiliate of WHR. Payments made to WHR were approximately \$205,000, \$347,000 and \$258,000 for the years ended December 31, 2001, 2000, and 1999, respectively.

Receivable from Employees

At December 31, 2001 and 2000, the Company had interest and non-interest bearing advances totaling approximately \$40,000 and \$210,000, respectively, due from employees. The advances are classified as other current assets in the accompanying consolidated balance sheets and will be repaid to the Company in 2002.

Iminosugar Program

The Company reported expenses of approximately \$3.5 million and \$2.4 million to Synergy Pharmaceuticals, Inc. (see note 4) during the years ended December 31, 2001 and 2000, respectively, of which approximately \$318,000 and \$679,000 were payable at December 31, 2001 and 2000, respectively, for contract research services. Additionally, the Company reported revenues of approximately \$366,200 and \$416,000 during the years ended December 31, 2001 and 2000, respectively, for chemical synthesis and manufacturing services provided to Synergy.

Marketing and Consulting Agreements

During 2001, the Company entered into a marketing agreement with a company affiliated with Raymond Kurzweil who was appointed as a Director of the Company effective January 3, 2002. The value of the agreement is \$30,000 annually. The company also entered into an agreement in 2001 with Raymond Kurzweil to provide strategic consulting services in the field of telemedicine. The value of the agreement is \$10,000 annually. In 2001, the Company paid a total of \$25,000 under these agreements.

4. License Agreements

Glaxo Wellcome Assignment

In January 1997, Glaxo Wellcome Inc. assigned to the Company patents and patent applications for the use of the stable prostacyclin analog UT-15 (now known as Remodulin), for the treatment of pulmonary hypertension and congestive heart failure. Glaxo Wellcome has a right to negotiate a license from the Company if the Company decides to license any part of the marketing rights to a third party. Glaxo Wellcome waived this right with respect to the agreement with MiniMed described below. Under the agreement, Glaxo Wellcome is entitled to certain royalties from the Company for a period of ten years from the date of the first commercial sale of any product containing Remodulin (see note 5). If the Company grants to a third party any license to Remodulin, Glaxo Wellcome is also entitled to a percentage of all consideration payable

to the Company by such licensee. The Company is responsible for all patent prosecution and maintenance for Remodulin.

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Medtronic MiniMed Inc.

The Company entered into an agreement with Medtronic MiniMed Inc. (formerly MiniMed Inc.) in September 1997 to collaborate in the design, development, and implementation of therapies to treat pulmonary hypertension and peripheral vascular disease utilizing MiniMed products with Remodulin. The term of the agreement is for seven years after the FDA grants a new drug approval for Remodulin and will be automatically extended for additional 12-month periods unless otherwise terminated. The agreement is subject to early termination in the event of a material breach or bankruptcy of either party. The Company and Medtronic MiniMed have established a Management Committee comprised of two representatives from each company to implement the agreement. The guidelines implementing the agreement provide that the Company will purchase pumps and supplies from Medtronic MiniMed at a discount off of Medtronic MiniMed's list prices from time to time. In the event that there are any discoveries or improvements arising out of work performed under the agreement, the parties will have joint ownership of those discoveries or improvements. The guidelines require the Company to purchase its Remodulin infusion pumps exclusively from Medtronic MiniMed unless Medtronic MiniMed's infusion pumps fail to receive certain government approvals.

Toray Industries Licenses

In September 1998, the Company entered into an agreement with Toray Industries, Inc. obtaining the exclusive right to develop and market immediate release formulations of beraprost in the United States and Canada for the treatment of pulmonary vascular disease, including pulmonary hypertension, plus certain additional rights of first refusal for other products, therapies or territories. In exchange, the Company paid Toray cash and 166,666 shares of common stock, and granted Toray an option to purchase an additional 166,666 shares of common stock at an exercise price of \$9.00 per share. The Company also agreed to pay Toray milestone payments of up to \$750,000. In March 1999, the Company entered into an agreement with Toray obtaining the exclusive right to develop and market immediate release formulations of beraprost in the United States and Canada for the treatment of peripheral vascular disease. The Company paid Toray cash and 500,000 shares of common stock and agreed to pay Toray milestone payments of up to \$750,000. The stock was valued at \$9,000,000 (\$18.00 per share) by the Company based on recent sales at \$18.00 per share.

In June 2000, the Company entered into an agreement with Toray Industries, Inc. obtaining the exclusive right to develop and market sustained release formulations of beraprost in the United States and Canada for the treatment of all vascular indications (including cardiovascular indications). In exchange, the Company paid Toray \$1.0 million in cash and 200,000 shares of common stock of United Therapeutics valued at approximately \$18.8 million. In addition, the Company agreed to grant Toray an option to purchase 500,000 shares of common stock upon Toray's delivery of clinical trial material with an exercise price based on the average of closing market prices during the month preceding delivery of clinical trial material. Such delivery has not yet occurred. The Company also agreed to pay Toray milestone payments of up to \$750,000. License fees under these agreements were expensed as research and development and totaled none, \$19.8 million, and \$9.1 million for the years ended December 31, 2001, 2000, and 1999, respectively.

Pursuant to the agreements, the Company has agreed to pay all costs and expenses associated with undertaking clinical trials, obtaining regulatory approvals and commercializing beraprost in the United States and Canada for the treatment of pulmonary hypertension, peripheral vascular disease and all vascular and cardiovascular indications. Toray has retained all manufacturing rights for beraprost. The Company has agreed to purchase beraprost solely from Toray at specified prices based on volume. The agreements each set forth a product development schedule. In the event that development by the Company falls significantly behind the schedule specified in either agreement, Toray may terminate that agreement. Furthermore, the Company is responsible under the agreements for achieving minimum annual product net sales as determined in advance by mutual agreement and in the case of the first two years of commercial sales, minimum net sales of \$2.5 million and \$5 million. In the event that the Company is unable to meet any minimum annual net sales requirements for two consecutive years, Toray may convert the exclusive license to a non-exclusive license. The Company would then be required to share any product marketing rights approved by the FDA with a third-party licensee chosen by Toray. Each agreement expires 10 years following FDA approval of beraprost for the particular disease indication. The Company may extend each agreement for unlimited one-year periods with Toray's consent.

The Company conducted a Phase III clinical trial program for beraprost to treat early-stage peripheral vascular disease. The results were analyzed in October 2001. Beraprost did not meet its primary endpoint of improvement in total walking distance. As a result, the Company discontinued development of the immediate release formulations of Beraprost for early stage peripheral vascular disease and pulmonary arterial hypertension. The Company anticipates that the sustained release formulation will demonstrate greater efficacy. The sustained release formulation is currently in Phase I testing in Japan.

Shearwater Polymers Agreement

In September 1999, the Company entered into an agreement with Shearwater Polymers, Inc. The agreement grants to the Company the exclusive right to Shearwater's know-how for the design, development, production, and use of a technology known as pegylation to develop and produce sustained release prostacyclin molecules for the possible treatment of pulmonary hypertension, peripheral vascular disease, stroke, heart disease, cancer, and related diseases worldwide. In exchange, the Company paid Shearwater \$100,000 in cash and agreed to pay Shearwater milestone payments of up to \$2,900,000. Milestone payments will come due upon the achievement of certain product development goals set forth in the agreement and are expected to be paid over a period of approximately six years. The Company also agreed to pay royalties ranging from 2 to 4 percent of net sales from developed products. Minimum annual royalties of \$1,000,000 are required commencing with the thirteenth month following government approval of a developed product. License fees under this agreement were expensed as research and development in the year ended December 31, 1999 and totaled \$100,000.

Under United Therapeutics' agreement with Shearwater, any inventions that relate to the combination of prostacyclin and the pegylation technology, including production methods and therapeutic methods for the treatment of any indication, will be owned solely by United Therapeutics, and any inventions relating to non-prostacyclin pegylation methods such as drug formulation or delivery will be owned solely by Shearwater. Both United Therapeutics and Shearwater have filed for U.S. patent applications relating to their respective inventions and each is responsible for prosecuting and maintaining its patent portfolio.

Synergy Pharmaceuticals, Inc.

In March 2000, Unither Pharmaceuticals, Inc. (Unither), a wholly owned subsidiary of United Therapeutics, entered into a license agreement with Synergy Pharmaceuticals, Inc. (Synergy) to obtain from Synergy the exclusive worldwide rights to certain patents relating to anti-viral iminosugar compounds. Unither paid Synergy a \$100,000 license fee which was expensed as research and development. The iminosugar agreement conditionally requires that Unither pay Synergy milestone payments of up to \$22.2 million for each FDA-approved product plus royalties ranging from 6 percent to 12.25 percent, subject to reductions, based on net sales. Additionally, Unither acquired 15 percent of the outstanding stock of Synergy for a total of \$5.0 million. The purchase price was paid with \$3.0 million in cash and 21,978 shares of common stock of United Therapeutics valued at approximately \$2.0 million. As part of these transactions, Unither received an exclusive option to purchase the remaining stock of Synergy at its fair value to be determined in the future in accordance with the terms of the contract. This investment of approximately \$4.8 million is accounted for under the cost method.

In late 2000, after preclinical evaluations were performed for a majority of the licensed compounds, it was determined that many of these licensed compounds lacked sufficient safety and efficacy profiles for further development. Therefore, in November 2000, Unither and Synergy amended the exclusive license agreement to include the development of new analogs of the licensed compounds. It was determined that new analogs could potentially be developed that had improved safety and efficacy profiles over the originally licensed compounds. As part of the amendments, Unither and Synergy agreed to reduce the milestone and royalty payments by one-half for any approved products which may result from the new analogs. Additionally, Synergy granted to Unither a warrant to purchase up to approximately 10 percent of the outstanding stock of Synergy exercisable for six years at \$0.001 per share. Finally, a review of Synergy's financial status in late 2000 raised substantial doubt about Synergy's ability to continue as a going concern largely due to its lack of liquidity and sources of funding. As a result of these developments and the amendments, the investment in Synergy was written down to zero at December 31, 2000.

Stanford University and New York Medical College

The Company's subsidiary, Unither Pharma Inc. (formerly Cooke Pharma, Inc.), has exclusively licensed patents related to amino acid based dietary supplements to enhance the level of endogenous nitric oxide in the vascular system from Stanford University and New York Medical College. The licenses cover worldwide territories and are valid for the life of the patents. In return, Unither Pharma, Inc. has agreed to pay royalties equal to one percent of net sales of amino acid based medical foods to each licensor respectively, subject to reductions. Minimum annual royalties of \$10,000 are due to each licensor.

5. Commitments

Clinical Trials and Other Research

The Company has contracted with universities and research organizations to perform clinical trials and other research related to Remodulin and other products. The Company generally pays all expenses incurred in carrying out the clinical trials and research activities. Total expenses under these agreements were approximately \$11.6 million, \$16.6 million, and \$16.6 million in 2001, 2000 and 1999, respectively. Total payments under these agreements in 2002 are not expected to exceed \$1.4 million.

Oxford University

The Company's subsidiary, Unither Pharmaceuticals, Inc., agreed to fund research conducted by the University of Oxford to develop analogs of the anti-viral compounds licensed from Synergy Pharmaceuticals. The research agreement provided for payments of up to approximately \$900,000 and will expire in September 2002. Under the agreement, Unither is required to fund the research and pay to the University of Oxford milestone payments for successfully completed clinical trials, and a royalty equal to a percentage of net sales that Unither earns from discoveries and products developed by the University of Oxford. The milestone payments and royalties are subject to reduction depending upon third-party contributions to inventions and/or third party licenses necessary to develop products.

William Harvey Research Limited

In 1998, the Company entered into a cooperative drug discovery agreement with William Harvey Research Limited (WHR) to identify and develop an antisense therapy as a potential treatment for pulmonary hypertension. The agreement may be terminated by the Company after 30 months. Under the agreement, the Company is required to pay WHR a royalty equal to a percentage of net sales and license fees that the Company earns from discoveries developed by WHR. This royalty obligation extends for 15 years or, if later, until any issued patents expire.

Imperial College

In 2000, Lung Rx entered into a research and development agreement with Imperial College of Science, Technology & Medicine and Imperial College Innovations Limited (collectively Imperial College) to develop lung lobes that can be transplanted into patients at risk of dying due to lung disease. The agreement may be terminated by the Company after the 12th and 36th months. It may also be terminated with 90 days notice by the Company if Imperial College does not meet a major milestone defined in the agreement. Under the agreement, the Company is required to pay Imperial College a royalty equal to a percentage of net sales that the Company earns from discoveries and products developed by Imperial College. This royalty obligation extends until any issued patents expire.

Milestone and Royalty Payments

The Company has in-licensed certain products under license agreements described in note 4. These agreements generally include milestone payments to be paid in cash by the Company upon the achievement of certain product development and commercialization goals set forth in each license agreement.

Total milestone payments under these license agreements may come due approximately as follows:

Year ending December 31,	
2002	\$ 220,000
2003	\$ 620,000
2004	\$ 2,420,000
2005	\$ 6,720,000
2006 and thereafter	\$ 15,220,000

Additionally, certain agreements described in note 4 require the Company to pay royalties. The royalties are generally based on a percentage of net sales or other product fees earned by the Company. Royalties will become due when sales are generated and will range from 1.0 to 30.0 percent of net product revenues as defined in the respective agreements.

Employment Agreement

In April 1999, the Company executed an employment agreement with its CEO. As amended in December 2000, the agreement establishes minimum compensation and benefits for a renewing five year period, and requires the Company to issue options to the CEO at the end of each of the next five years to purchase a number of shares of common stock equal to .06 percent of the increase in the Company's market capitalization from its average in December of each year (commencing December 2000) to its average the following year. The exercise price of the options will be 110 percent of the fair market value of a share of common stock on the date of grant, or 100 percent of fair market value if the CEO owns less than 10 percent of the Company's outstanding common stock on the date of grant. If the CEO is terminated without cause or leaves with good reason, she will receive severance equal to three years of base salary plus the value of any vested options.

6. Stockholders Equity

Common Stock

The Company was originally capitalized through the issuance of 1,666,663 shares of common stock for \$.06 per share, with a par value of \$.01. In 1997, the number of authorized shares of common stock was increased from 20,000,000 shares to 50,000,000 shares.

On December 7, 1997, the Company's Board of Directors approved a one-for-two reverse stock split of the Company's common stock. All common shares and per share amounts in the accompanying financial statements have been retroactively adjusted to reflect this reverse stock split. Authorized shares and the par values of common and preferred stock were not affected.

In April 1999, the Board of Directors authorized the filing of a registration statement with the Securities and Exchange Commission for the sale of up to 6,000,000 shares of common stock. On June 17, 1999, the Company's initial public offering, which involved the sale of 4,500,000 shares of common stock at \$12.00 per share, was declared effective by the SEC. The Company closed the initial public offering on June 22, 1999 and received net proceeds, after deducting underwriting commissions and offering expenses, of approximately \$48,874,000.

In April 1999, the Company's Board of Directors and stockholders approved an amendment to the Company's Certificate of Incorporation increasing the number of authorized shares of common stock to 100,000,000 shares. On June 11, 1999, the Company increased the total number of authorized shares of common stock to 100,000,000.

In April 1999, the Company's Board of Directors approved a one-for-three reverse stock split of its outstanding common stock which was effected on June 11, 1999. Authorized shares and the par values of common and preferred stock were not affected by the reverse split. All share and per share amounts in the accompanying financial statements have been retroactively adjusted to reflect the reverse stock split for all periods presented.

On July 16, 1999, the Company closed on the sale of 675,000 over-allotment shares of common stock to its underwriters. The underwriters over-allotment option was exercised at the initial public offering price of \$12.00 per share. The net proceeds, after deducting underwriting commissions and offering expenses, were approximately \$7,515,000.

In December 1999, the Company agreed to the sale of 2,500,000 shares of common stock at \$32.00 per share in a private placement. The private placement closed and settled in January 2000. Net proceeds, after deducting commissions and offering expenses were approximately \$74.8 million. The common stock was registered for resale with the SEC in a filing that was declared effective on January 18, 2000.

In July 2000, United Therapeutics agreed to and closed on the sale of 1,300,000 shares of common stock at \$110.00 per share in a private placement. Net proceeds, after deducting commissions and certain offering expenses, were approximately \$134.3 million. The common stock was subsequently registered for resale with the SEC in a filing that was declared effective on August 4, 2000.

In February 2000, the Company agreed to fund, over two years, a United Therapeutics Chair in Pulmonary Hypertension at Columbia University with a grant of the Company's common stock. The grant was funded with the issuance of 9,868 shares of the Company's common stock in February 2000 and 9,868 shares of the Company's common stock in April 2001, all of which was valued at \$1.5 million based on the closing Nasdaq price on February 10, 2000. In February 2002, the Company and Columbia University agreed that the shares issued to Columbia University would be transferred instead to the University's pulmonary hypertension research gift account to further research the causes and cures for pulmonary hypertension.

Preferred Stock

A total of 10,000,000 shares of preferred stock with a par value of \$.01 were authorized in 1997. No preferred stock has been issued. A total of 100,000 shares of Series A Junior Participating Preferred Stock with a par value of \$.01 were authorized in 2000. No Series A Junior Participating Preferred Stock has been issued.

Shareholder Rights Plan

In December 2000, the Company's Board of Directors approved the adoption of a Shareholder Rights Plan designed to discourage takeovers that involve abusive tactics or do not provide fair value to its shareholders. The Shareholder Rights Plan provides for a dividend distribution of one Preferred Share Purchase Right (Rights) for each outstanding share of the Company's common stock. The dividend distribution was made to shareholders of record on December 29, 2000. The Rights will be exercisable only if a person or group (except for certain exempted persons or groups) acquires 15 percent or more of the Company's common stock or announces a tender offer which would result in ownership of 15 percent or more of the Company's common stock. The Rights entitle each holder of one share to purchase one one-thousandth of a share of Series A Junior Participating Preferred Stock (par value \$.01) and will expire on December 29, 2010.

Treasury Stock

On December 5, 2000, the Company's Board of Directors approved a stock repurchase program for up to three million shares of its outstanding stock. The purpose of the stock repurchase program was to help the Company achieve its long term goal of enhancing shareholder value. During the years ended December 31, 2001 and 2000, the Company repurchased 220,600 and 306,000 shares, respectively, at a total cost of approximately \$6.9 million. The repurchase program expired on December 5, 2001.

Options Issued in Exchange for Services

The Company issued options to consultants for services during 2001, 2000 and 1999. A total of 78,253 options to purchase common shares with exercise prices of \$8.97 to \$16.94, were granted in 2001. A total of 50,299 options to purchase common shares with exercise prices of \$14.48 to \$95.37, were granted in 2000. A total of 38,330 options to purchase common shares, with exercise prices of \$16.75 to \$30.12, were granted in 1999.

Employee Options

The Company's Board of Directors adopted an equity incentive plan (the Plan) effective November 12, 1997. On April 5, 1999 and April 8, 1999, the Company's Board of Directors and stockholders approved an amendment and restatement of the Plan to increase the total number of shares of common stock that may be issued pursuant to the Plan to 14,939,517 shares, including 7,939,517 shares reserved for issuance to the CEO under her employment agreement (see note 5). The Plan provides for the grant of awards, including options, stock appreciation rights, restricted stock awards and other rights as defined in the Plan, to eligible participants. Options granted under the Plan are not transferable and must generally be exercised within 10 years. The price of all options granted under the Plan must be at least equal to the fair market value of the common stock on the date of grant. With respect to any participant who owns 10 percent or more of the Company's outstanding common stock on the date of grant, the exercise price of any incentive stock option granted to that participant must equal or exceed 110 percent of the fair market value of the common stock on the date of grant and the option must not be exercisable for longer than five years. During the year ended December 31, 2001, options to purchase a total of 495,454 shares were granted under this Plan at exercise prices of \$9.20 to \$15.69. During the year ended December 31, 2000, options to purchase a total of 1,043,594 shares were granted under this Plan at exercise prices of \$14.48 to \$116.38. During the year ended December 31, 1999, options to purchase a total of 442,907 shares were granted under this Plan at exercise prices of \$12.38 to \$35.75.

Approximately 129,476 options were granted to employees during the year ended December 31, 2001 outside of the Plan with exercise prices ranging from \$9.20 to \$15.75 and a term of ten years.

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The Company applies APB Opinion No. 25 in accounting for options granted to employees and, accordingly, no compensation expense has been recognized in the financial statements with respect to such options. Had the Company determined compensation expense under SFAS No. 123 based on the fair value at the grant date for its stock options, the Company's net loss would have been increased to the pro forma amounts indicated below:

	Years ended December 31,		
	2001	2000	1999
Net loss:			
As reported	\$(37,287,749)	\$ (75,608,490)	\$(33,506,698)
Pro forma	\$(50,310,009)	\$(118,084,955)	\$(34,819,629)
Basic and diluted loss per common share:			
As reported	\$ (1.84)	\$ (3.93)	\$ (2.51)
Pro forma	\$ (2.48)	\$ (6.14)	\$ (2.60)

The fair value of each option is estimated on the date of grant using the Black-Scholes option pricing model with the following weighted-average assumptions generally used for grants in 2001, 2000, and 1999 were:

	Years ended December 31,		
	2001	2000	1999
Dividend yield	0 percent	0 percent	0 percent
Expected volatility	71.25 - 112.47 percent	69.75 - 84.26 percent	0.10 - 76 percent
Risk free interest rate	3.53 - 4.95 percent	4.98 - 6.68 percent	6.0 - 6.55 percent
Expected lives	5 years	5-7.5 years	7.5 years

A summary of the status of the Company's employee stock options as of December 31, 2001, 2000, and 1999, and changes during the years then ended is presented below:

	2001		2000		1999	
	Shares	Weighted-Average Exercise Price	Shares	Weighted-Average Exercise Price	Shares	Weighted-Average Exercise Price
Outstanding at beginning of period	3,156,356	\$36.58	1,412,724	\$16.87	878,485	\$12.69
Granted	624,930	12.73	2,049,594	48.15	569,573	22.81
Exercised	(1,866)	3.00	(147,196)	9.76		
Forfeited	(236,241)	21.32	(158,766)	35.64	(35,334)	8.66
Canceled	(459,933)	56.72				
Outstanding at end of period	3,083,246	\$29.93	3,156,356	\$36.58	1,412,724	\$16.87
Options exercisable at end of period	1,680,263	\$40.37	1,213,582	\$49.66	449,145	\$11.90
Weighted-average fair value of options granted during the period	\$ 9.39		\$ 31.84		\$ 16.69	

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In November 2001, the Compensation Committee of the Board of Directors approved a plan to allow employees to voluntarily permit a limited portion of their outstanding options to be canceled. In exchange for each canceled option, the Company will grant a new option in May 2002. The new options will be granted at the fair market price of the Company's common stock on the date that the replacement awards are issued. The program was fully implemented in 2001 and no further cancellations are anticipated. Each of the employees who participated did not have any options granted to them in the six months prior to the cancellation. Furthermore, each of the employees who participated agreed to forgo receiving any new options for a period of six months following the cancellation. No guarantees or other promises of remuneration were made to the employees who agreed to participate. In accordance with FASB Interpretation No. 44, no compensation expense will be recognized upon the grant of the replacement awards.

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The following table summarizes information about employee stock options outstanding at December 31, 2001:

Options Outstanding				Options Exercisable	
Exercise Prices	Number	Weighted-Average Remaining Contractual Life	Weighted-Average Exercise Price	Number	Weighted-Average Exercise Price
\$ 3.00					
\$ 10.00	269,601	2.8	\$ 7.23	220,572	\$ 7.40
10.01					
20.00	1,871,216	8.3	\$ 15.03	711,358	\$ 16.09
20.01					
30.00	217,639	7.7	\$ 27.59	126,539	\$ 27.80
30.01					
40.00	5,000	7.9	\$ 35.75	2,600	\$ 35.75
40.01					
50.00	153,755	8.2	\$ 43.35	85,369	\$ 43.70
50.01					
60.00	36,129	8.2	\$ 57.04	13,257	\$ 56.89
60.01					
70.00	7,525	8.3	\$ 63.93	3,775	\$ 62.80
70.01					
80.00	9,502	8.1	\$ 71.74	3,914	\$ 71.99
80.01					
90.00	509,679	8.5	\$ 89.90	509,679	\$ 89.90
90.01					
116.38	3,200	8.2	\$ 99.68	3,200	\$ 99.68
\$ 3.00 \$ 116.38	3,083,246	7.8	\$ 29.93	1,680,263	\$ 40.37

7. Income Taxes

A reconciliation of tax benefit computed at the statutory federal tax rate on losses from operations before income taxes to the actual income tax expense is approximately as follows:

	Years Ended December 31,		
	2001	2000	1999
Federal tax provision (benefit) computed at the statutory rate	\$(12,678,000)	\$(25,707,000)	\$(11,391,000)
State tax provision (benefit), net of federal tax provision (benefit)	(1,969,000)	(3,992,000)	(2,680,000)
Change in the beginning of the period valuation allowance for deferred tax assets allocated to tax expenses	23,722,000	32,598,000	16,548,000
	(7,124,000)	(6,734,000)	(7,812,000)

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General business credit
generated

Nondeductible expenses
and other

(1,951,000)

3,835,000

5,338,000

Total income tax
expense

\$

\$

\$

3,000

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Deferred income taxes reflect the net effect of net operating loss carryforwards and the temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. Significant components of the Company's net deferred tax asset as of December 31, 2001 and 2000, respectively, are approximately as follows:

	December 31,	
	2001	2000
Deferred tax assets:		
Net operating loss carryforwards	\$ 37,678,000	\$ 20,411,000
General business credit	24,685,000	17,561,000
Unrealized loss on investment	1,881,000	1,881,000
Effect of conversion to accrual basis accounting for income tax purposes	152,000	(457,000)
License fees capitalized for tax purposes	9,833,000	11,301,000
In-process research and development capitalized for tax purposes	6,185,000	6,624,000
Other	1,213,000	599,000
Total deferred tax assets	81,627,000	57,920,000
Deferred tax liabilities:		
Furniture and equipment principally due to differences in depreciation	(55,000)	(70,000)
Total deferred tax liabilities	(55,000)	(70,000)
Net deferred tax asset before valuation allowance	81,572,000	57,850,000
Valuation allowance	(81,572,000)	(57,850,000)
Net deferred tax asset	\$	\$

Based on the weight of available evidence, management has determined that the deferred tax asset amount may not be realized at this time. This is due primarily to the uncertainty of the timing of product approvals and the levels of future product sales and profitability.

The valuation allowance for deferred tax assets increased by approximately \$23.7 and \$32.6 million for the years ended December 31, 2001 and 2000, respectively.

At December 31, 2001, the Company had net operating loss carryforwards of approximately \$95.9 million and business tax credit carryforwards of approximately \$24.7 million for federal income tax purposes which expire at various dates from 2011 through 2020. Business tax credits can offset future tax liabilities and arise from qualified research expenditures. The Company's ability to utilize its net operating loss and general business tax credit carryforwards will be limited in the future if it is determined that the Company experienced an ownership change, as defined in Section 382 of the Internal Revenue Code, as a result of prior transactions and/or future transactions. The Company has not yet performed a study of the impacts of Section 382, but it believes an ownership change or changes have occurred. Accordingly, these net operating loss and general business tax credit carryforwards, will be subject to limitation, but are expected to be available to offset taxable income and taxes, as applicable, during their carryforward lives.

8. Notes and Leases Payable

On April 29, 1998, the Company purchased an office building at 1110 Spring Street in Silver Spring, Maryland for approximately \$581,000 in exchange for a note payable and cash. In June 1999, the Company refinanced the note payable for the building with a new mortgage note totaling \$720,000 due in monthly installments. This 30-year adjustable rate note had an interest rate of 7.5 percent in effect at December 31, 2001 and is secured by the building and property owned by the Company located at 1110 Spring Street in Silver Spring, Maryland.

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In September 1999, the Company purchased a building adjacent to 1110 Spring Street in Silver Spring, Maryland for approximately \$1,544,000. The Company issued a mortgage note payable to finance this purchase. The mortgage note payable was issued for \$1,078,000 and is payable in monthly installments. This 30-year adjustable rate note had an interest rate of 7.25 percent in effect at December 31, 2001 and is secured by a certificate of deposit in the amount of \$605,000 and the building and property owned by the Company located at 1106 Spring Street in Silver Spring, Maryland.

The Company also leased certain equipment under capital leases with interest rates of approximately 10.6 percent and terms up to 5 years.

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Future minimum payments under notes and leases payable are as follows:

	Notes Payable	Capital Leases
Year ending December 31,		
2002	\$ 20,117	\$ 93,484
2003	21,646	57,648
2004	23,292	30,526
2005	25,062	22,054
2006	26,967	12,836
2007 and thereafter	1,637,161	
	1,754,245	216,548
Less amounts representing interest		(32,593)
Less current portion	(20,117)	(81,677)
	\$ 1,734,128	\$ 102,278

At December 31, 2001, equipment under capital leases totaled approximately \$227,000 and accumulated depreciation totaled approximately \$66,000.

9. Marketable Investments

Investments at December 31, 2001 and 2000 consist of federally sponsored and corporate debt securities and certificates of deposit.

The following table summarizes the Company's marketable investments (in thousands):

	As of December 31, 2001			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Values
International note and bonds	\$ 3,610	\$ 44	\$	\$ 3,654
Agency note and bonds	7,431	104		7,535
Corporate notes and bonds	135,355		(936)	134,419
Certificate of deposit	1,530		(5)	1,525
Total	\$ 147,926	\$ 148	\$ (941)	\$ 147,133
Reported as:				
Current marketable investments	\$ 31,677			
Noncurrent marketable investments	116,249			
Total	\$ 147,926			

As of December 31, 2000

	<u>Amortized Cost</u>	<u>Gross Unrealized Gains</u>	<u>Gross Unrealized Losses</u>	<u>Fair Values</u>
Agency note and bonds	\$ 14,484	\$ 3	\$	\$ 14,487
Total	<u>\$ 14,484</u>	<u>\$ 3</u>	<u>\$</u>	<u>\$ 14,487</u>
Reported as:				
Current marketable investments	<u>\$ 14,484</u>			

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The following table summarizes maturities of debt investments at December 31, 2001 (in thousands):

	Amortized Cost
Less than 12 months	\$ 31,677
Due in 13 24 months	54,659
Due in 25 36 months	52,909
Due in 37 60 months	8,681
Total	\$ 147,926

10. Operating Leases

The Company leases various office and production space generally under noncancelable agreements with terms expiring through 2006. The Company also leases automobiles for certain employees.

Approximate minimum annual rent payments to be paid under these noncancelable operating leases are as follows:

Year ending December 31,	
2002	\$ 520,000
2003	\$ 423,000
2004	\$ 64,000
2005	\$ 60,000
2006	\$ 49,000

Total rent expense for the years ended December 31, 2001, 2000, and 1999 was approximately \$521,000, \$366,000 and \$207,000, respectively.

11. Acquisitions and Investments in Affiliates

WonderClick.com, Inc.

In July 1999, a subsidiary of Unither Telemedicine Services Corporation (UTSC) entered into an agreement to form WonderClick.com, Inc. (formerly AboveCable.com, Inc.), a Delaware corporation, to provide Internet access via cable television portals worldwide. This subsidiary received 20 percent of the initial outstanding common stock of WonderClick.com, Inc. and the exclusive rights to offer telemedicine and electronic health services at the portal level. The agreement does not require the UTSC subsidiary to contribute cash or other capital. WorldSpace Corporation purchased a 50 percent common stock shareholding in the new company. The Chairman and CEO of WorldSpace is a major stockholder and a director of the Company. At December 31, 2001, the subsidiary's 20 percent investment in WonderClick.com, Inc. had an original cost of zero and was reported at zero. The subsidiary's equity in the underlying net assets was approximately \$1.3 million.

SynQuest, Inc.

On October 7, 1999, the Company acquired all the outstanding stock of SynQuest, Inc. (SynQuest), an Illinois corporation engaged in the synthesis and manufacture of complex molecules. SynQuest manufactures treprostinil, the bulk active ingredient in Remodulin, the Company's lead compound. The total cost of this acquisition was approximately \$3.2 million, including transaction costs. Cash of \$200,000 and 101,251 shares of the Company's common stock valued at \$2.9 million were paid to the sellers as consideration. A holdback equivalent to \$500,000 of the Company's common stock, which was reduced to \$200,000 in December 2000, is being held in escrow for unknown liabilities and will be paid to the sellers over four years, subject to certain conditions.

Goodwill and other intangible assets resulting from the acquisition were approximately \$2.8 million and were being amortized in a straight-line manner over periods ranging up to five years. The acquisition was accounted for as a purchase. SynQuest's operations since October 7, 1999 have been included in the Company's consolidated financial statements. In December 2000, the Company dissolved SynQuest,

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Inc. and merged it into United Therapeutics Corporation. SynQuest now operates as the synthesis and manufacturing division of United Therapeutics Corporation. Its activities were unaffected by the dissolution and merger.

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Preventis, Inc.

In 2000, the Company entered into an agreement to form Preventis, Inc., a Delaware corporation, to create new vaccine technology and to develop and commercialize novel therapeutics for infectious disease. The Company received 30 percent of the initial outstanding common stock of Preventis. The agreement does not require the Company to contribute cash or other capital. A director of the Company purchased a 57 percent common stock shareholding in the new company. At December 31, 2001, the Company's investment in Preventis had an original cost of zero and was reported at zero. The subsidiary's equity in the underlying net assets was a deficit of approximately \$982,000.

Unither Pharma, Inc.

On December 11, 2000, the Company agreed to purchase all of assets and assume certain liabilities of Cooke Pharma Inc., based in California. The acquired company now operates as Unither Pharma, Inc. The acquisition closed on December 28, 2000. Unither Pharma is the exclusive owner and developer of the intellectual property rights to use arginine to promote cardiovascular health. Medical foods are regulated by the FDA. The total cost of this acquisition was approximately \$15.9 million, including transaction costs. The Company issued 294,635 shares of common stock, subject to adjustment within a year, valued at \$15.7 million to the sellers and assumed approximately \$1.7 million of liabilities as consideration. In addition, the Company agreed to pay a single-digit cash royalty to Cooke Pharma on sales of Unither Pharma products up to an additional \$49 million (a lifetime cap), subject to possible reduction.

The purchase price of approximately \$15.9 million was allocated as follows (in thousands):

Current assets	\$ 1,559
Intangible assets	7,833
Other noncurrent assets	1,109
In-process research and development	7,104
Current liabilities	(1,705)
Total purchase price	\$ 15,900

The acquisition was structured as a taxable stock-for-assets purchase with a residual royalty stream. The Company agreed to register all of these shares for resale by Cooke Pharma in accordance with the terms of the Registration Rights Agreement dated as of December 15, 2000. Approximately 147,000 of the shares issued to Cooke Pharma are being held in escrow for up to two years for unknown liabilities, indemnifications, warranties and a stock adjustment (described below) pursuant to the terms of an Escrow Agreement.

The sellers will receive additional shares from the Company, if on the first anniversary of the closing, the average closing price of the Company's common stock over the 90 calendar days prior to the anniversary is less than \$90.00 per share, in order that the value of all shares issued to Cooke Pharma equals the value of the shares issued to Cooke Pharma at the closing at \$90.00 per share. If, however, such average closing price is less than \$51.65 per share, the additional shares to be issued to Cooke Pharma shall not exceed a value equal to the difference between \$90.00 and \$51.65 per share. If the average anniversary closing price is greater than \$99.00 per share, the number of shares of the Company's common stock issued as of the date of closing shall be adjusted as if it had a value of \$99.00 at closing (for a total value not to exceed approximately \$29 million), and the Company shall receive the remaining shares following the adjustment. The consideration given was valued at the fair value of the 294,635 shares of United Therapeutics' stock issued using an average NASDAQ closing price of \$14.84 which totaled approximately \$4.4 million, plus the value of the potential additional shares that may be issued which totaled approximately \$11.3 million (equivalent to the minimum guaranteed share price of \$90.00 per share less the floor established in the agreement of \$51.65 multiplied by 294,635 shares). The average closing price of the Company's common stock over the 90 calendar days prior to the anniversary was \$10.11 per share. Accordingly, the Company will be required to issue additional shares to the sellers in 2002.

Intangible assets resulting from the acquisition were approximately \$7.8 million and are being amortized in a straight-line manner over periods ranging from three to eighteen years. These intangible assets include the HeartBar trade name, patents and base technology. The amount attributed to in-process research and development totaling approximately \$7.1 million was charged to expense at the date of acquisition. The fair values of the intangible assets were based on independent valuations. The acquisition was accounted for as a purchase. Cooke Pharma's operations since December 11, 2000 have been included in the Company's consolidated financial statements.

The write-off of in-process research and development related to the acquisition of Cooke Pharma was expensed as a one-time non-recurring charge in 2000. The projects under development at the valuation date were expected to address the coronary and peripheral arterial disease markets as well as the market that is at risk of developing some form of heart disease. It was anticipated that research and development related to

these projects would be completed by 2002. However, United Therapeutics has decided to initiate studies of arginine in pulmonary hypertension prior to coronary and peripheral arterial diseases. These studies in pulmonary hypertension are expected to commence in 2002. The delay in the coronary and peripheral arterial disease studies is not expected to have a material impact on the Company.

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Medicomp, Inc. and Telemedical Procedures, LLC

On December 29, 2000, the Company acquired all of the assets of Medicomp, Inc. and Telemedical Procedures, LLC (Medicomp), related cardiac monitoring companies based in Florida. The total cost of this acquisition was approximately \$20.0 million, including transaction costs. Cash of \$8.0 million and 257,142 shares of the Company's common stock valued at \$11.9 million and subject to adjustment was paid to the sellers as consideration.

The purchase price of approximately \$20.0 million was allocated as follows (in thousands):

Current assets	\$ 883
Intangible assets	7,776
Other noncurrent assets	1,577
In-process research and development	9,760
Total purchase price	\$ 19,996

The acquisition was structured as a taxable purchase. The Company agreed to register all of these shares for resale by Medicomp in accordance with the terms of the Registration Rights Agreement dated as of December 28, 2000. Approximately 129,000 of the shares issued to Medicomp are being held in escrow for up to three years for unknown liabilities, indemnifications, warranties and a stock adjustment (described below) pursuant to the terms of an Escrow Agreement.

Medicomp may receive additional shares from the Company on the third anniversary of the closing if the average closing price of the Company's common stock over the 30 calendar days prior to the anniversary is less than \$70.00 per share, in order that the value of all shares issued to Medicomp equals the value of the shares issued to Medicomp at the closing at \$70.00 per share (subject to a maximum of 600,000 shares). The stock consideration given was valued at the fair value of the 257,142 shares of United Therapeutics stock issued using an average NASDAQ closing price of \$13.84 which totaled approximately \$3.6 million, plus the value of the potential additional shares that may be issued which totaled approximately \$8.3 million (equivalent to the average NASDAQ closing price of \$13.84 per share multiplied by the maximum of 600,000 additional shares that may be issued in the future).

Goodwill and other intangible assets resulting from the acquisition were approximately \$7.8 million and were being amortized in a straight-line manner over periods ranging from three to twenty years. The other intangible assets include base technology. The amount attributed to in-process research and development totaling approximately \$9.8 million was charged to expense at the date of the acquisition. The fair values of the intangible assets were based on independent valuations. The acquisition was accounted for as a purchase. Medicomp's operations since December 29, 2000 have been included in the Company's consolidated financial statements.

The write-off of in-process research and development related to the acquisition of Medicomp was expensed as a one-time non-recurring charge in 2000. At the acquisition date, Medicomp was conducting design, development, engineering and testing activities associated with the completion of a number of new technological innovations that were integral to Medicomp's plan to launch a first generation automatic wireless heart monitoring system. It was anticipated that completion of these projects would range from 9 to 12 months. Completion is expected to occur in 2002. This delay is not expected to have a material impact on United Therapeutics.

Pro Forma Information Related to the Unither Pharma and Medicomp Acquisitions

The following unaudited pro forma financial information presents the combined approximate results of operations of the Company, including Unither Pharma and Medicomp, as if the acquisitions had occurred as of the beginning of 2000 and 1999, after giving effect to certain adjustments, including amortization of goodwill and the write-off of acquired in-process research and development expenses. The pro forma financial information does not necessarily reflect the results of operations that would have occurred had the Company acquired Unither Pharma and Medicomp at the beginning of these periods.

Years ended December 31,	
2000	1999

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	(unaudited)	
Total revenues	\$ 6,336,000	\$ 3,571,000
Net loss	(85,285,000)	(49,980,000)
Loss per share		
basic and diluted	\$ (4.31)	\$ (3.59)

Northern Therapeutics Corporation

In December 2000, Lung Rx, a subsidiary of the Company, formed a new company in Canada, Northern Therapeutics Corporation (Northern Therapeutics), with the inventor of a new form of gene therapy for pulmonary hypertension and other conditions. The purpose of Northern Therapeutics is to develop the gene therapy and also to distribute Lung Rx second generation prostacyclin analog, Unipeg, and HeartBar, in Canada and, upon the consent of Toray Industries Inc., to distribute beraprost in Canada. Lung Rx received approximately 59 percent of the initial outstanding common stock of Northern Therapeutics in exchange for \$5.0 million in cash of which \$1.0 million was paid in December 2000. The remaining \$4.0 million is generally being paid in

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\$1.0 million increments annually over four years. The Company has agreed to provide the services of its Chief Executive Officer as Chairman of the Northern Therapeutics' initial Board and its then current Executive Vice President Business Development as the Company's initial CEO. During 2001, Northern Therapeutics' CEO resigned. Therefore, since December 2001, the Company's CEO has been serving as the acting CEO of Northern Therapeutics.

Northern Therapeutics is incorporated as a Canadian Controlled Private Corporation. Lung Rx may appoint only two of the company's seven board seats. Substantially all important decisions require unanimous board votes in favor of the proposal. The decisions requiring unanimous board votes include decisions related to personnel selection and compensation and establishment of operating and capital budgets. Therefore, the minority owners of Northern Therapeutics have substantive participating rights as discussed in Emerging Issues Task Force Issue No. 96-16, Investor's Accounting for an Investee when the Investor has a Majority of the Voting Interest but the Minority Shareholder or Shareholders Have Certain Approval or Veto Rights. As a result of these substantive participating rights, Lung Rx does not control Northern Therapeutics and consolidation, therefore, is prohibited. The equity method of accounting is used to account for Lung Rx's investment in Northern Therapeutics. At December 31, 2001, Lung Rx's 59 percent investment in the new company was reported at the original cost of \$4.3 million which is comprised of the \$1.0 million paid in cash and the present value of the additional \$4.0 million due over four years. The amounts due at December 31, 2001 totaled approximately \$3.6 million and are reported as due to affiliate in the accompanying consolidated balance sheets. Lung Rx's equity in the underlying net assets was approximately \$4.7 million at December 31, 2001.

12. Employees' Retirement Plan

Effective January 1, 1999, the Company adopted the United Therapeutics Corporation Employees' Retirement Plan (the Plan), a salary reduction profit sharing plan. Employees employed on or after July 15, 1999 are eligible to participate in the Plan. The Plan provides for annual discretionary employer contributions. Employees may also contribute to the Plan at their discretion. No employer contributions have been made to the Plan.

13. Accrued Expenses

Accrued expenses consisted of the following at December 31, 2001 and 2000:

	December 31,	
	2001	2000
Professional fees	\$ 65,878	\$ 20,000
Research	2,544,132	3,842,170
Other	843,616	660,380
Total	\$ 3,453,626	\$ 4,522,550

14. Segment Information

The Company has two reportable business segments. The pharmaceutical segment includes all activities associated with the research, development, manufacture, and commercialization of therapeutic products. The telemedicine segment includes all activities associated with the research, manufacture, and delivery of patient monitoring services. The telemedicine segment is managed separately because diagnostic services require different technology and marketing strategies.

Segment information as of and for the year ended December 31, 2001 was as follows:

	Pharmaceutical	Telemedicine	Consolidated Totals
Revenues from external customers	\$ 2,980,737	\$ 2,750,965	\$ 5,731,702
Losses	\$ (33,860,289)	\$ (3,427,460)	\$ (37,287,749)
Interest income	\$ 9,982,660	\$ 37,870	\$ 10,020,530
Interest expense	165,884	6,834	172,718

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Depreciation and amortization	\$ 1,557,934	\$ 1,263,220	\$ 2,821,154
Write-down of investments	\$	\$	\$
Equity loss in affiliate	\$ 257,243	\$	\$ 257,243
Total investments in equity method investees	\$ 4,341,835	\$	\$ 4,341,835
Expenditures for long-lived assets	\$ 317,181	\$ 370,112	\$ 687,293
Total assets	\$200,630,589	\$11,490,782	\$212,121,371

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Segment information as of and for the year ended December 31, 2000 was as follows:

	Pharmaceutical	Telemedicine	Consolidated Totals
Revenues from external customers	\$ 2,049,258	\$	\$ 2,049,258
Losses	\$ (65,761,802)	\$ (9,846,688)	\$ (75,608,490)
Interest income	\$ 10,692,585	\$ 654	\$ 10,693,239
Interest expense	120,035		120,035
Depreciation and amortization	\$ 912,716	\$ 1,270	\$ 913,986
Write-down of investments	\$ 4,789,592	\$	\$ 4,789,592
Equity loss in affiliate	\$	\$	\$
Noncash licensing fees and write downs of acquired in process research and development	\$ 25,873,700	\$ 9,760,000	\$ 35,633,700
Total investments in equity method investees	\$ 4,348,693	\$	\$ 4,348,693
Expenditures for long-lived assets	\$ 8,731,893	\$ 9,352,662	\$ 18,084,555
Total assets	\$ 239,450,718	\$ 11,194,266	\$ 250,644,984

The segment information shown above for 2001 and 2000 equals the consolidated totals when combined. These consolidated totals equal the amounts reported in the consolidated financial statements without further reconciliation for those categories which are reported in the consolidated financial statements. In 1999, the Company only had one segment, the pharmaceutical segment. Therefore, separate segment information is not applicable to 1999.

Previously, arginine was presented as a segment for 2000. For the 2001 and 2000 presentations shown above, all arginine products were combined with the pharmaceutical segment where they are more appropriately classified. The accounting policies of the segments are the same as those described in the summary of significant accounting policies in note 2. There are no inter-segment transactions.

All of the Company's 1999 and 2000 revenues were earned from customers located in the U.S. In 2001, approximately 87 percent of the Company's revenues were earned from customers located in the U.S.

15. Fourth Quarter Results

During the fourth quarter of 2001, the Company had no significant adjustments or transactions.

16. Quarterly Financial Information (Unaudited)

The following presents certain quarterly financial information for each of the years ended December 31, 2001 and 2000:

Quarters Ending During 2001				
	December 31, 2001	September 30, 2001	June 30, 2001	March 31, 2001
Net sales	\$ 1,619,397	\$ 1,262,867	\$ 1,270,592	\$ 1,482,515
Gross profit	871,611	403,495	545,881	677,232
Net loss	(7,427,133)	(9,810,895)	(10,646,937)	(9,402,784)
Loss per share basic and diluted	\$ (0.37)	\$ (0.48)	\$ (0.53)	\$ (0.46)

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Quarters Ending During 2000

	December 31, 2000	September 30, 2000	June 30, 2000	March 31, 2000
Net sales	\$ 789,667	\$ 353,891	\$ 496,303	\$ 259,397
Gross profit	82,033	89,344	62,716	39,114
Net loss	(31,872,554)	(7,014,023)	(28,810,316)	(7,911,597)
Loss per share basic and diluted	\$ (1.57)	\$ (0.35)	\$ (1.55)	\$ (0.44)

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17. Recent Accounting Pronouncements

In July 2001, the Financial Accounting Standards Board (the FASB) issued SFAS No. 141, Business Combinations (SFAS 141), and SFAS No. 142, Goodwill And Other Intangible Assets (SFAS 142). SFAS 141 addresses the accounting for acquisitions of businesses and is effective for acquisitions occurring on or after July 1, 2001. SFAS 142 addresses the method of identifying and measuring goodwill and other intangible assets acquired in a business combination, eliminates further amortization of goodwill, and requires periodic evaluations of impairment of goodwill balances. SFAS 142 is effective for the Company's fiscal year beginning January 1, 2002. The Company amortized \$1.1 million and \$495,000 of goodwill during the years ended December 30, 2001 and 2000, respectively. Unamortized goodwill at January 1, 2002, the date of adoption, was approximately \$7.5 million. All other unamortized intangible assets totaled \$7.9 million at January 1, 2002.

In October 2001, the FASB issued SFAS No. 144, Accounting for Impairment or Disposal of Long-Lived Assets (SFAS 144). The provisions of SFAS 144 require the use of a consistent accounting model for long-lived assets to be disposed of by sale, whether previously held and used or newly acquired and extend the presentation of discontinued operations to include more disposal transactions. SFAS 144 is effective for the Company's fiscal year beginning January 1, 2002.

The Company has not yet completed its assessment of the impact of the adoption of these new standards.

United Therapeutics Corporation
Schedule II Valuation and Qualifying Accounts
Years Ended December 31, 2001, 2000, and 1999

	Allowance for Doubtful Accounts Receivable			
	Balance at Beginning of Year	Additions charged to expenses	Deductions	Balance at End of Year
Year ended December 31, 2001	\$ 98,281	\$ 136,099	\$ (36,638)	\$ 197,742
Year ended December 31, 2000	\$	\$ 98,281	\$	\$ 98,281
Year ended December 31, 1999	\$	\$	\$	\$

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PART IV

ITEM 14. EXHIBITS, FINANCIAL STATEMENT SCHEDULES AND REPORTS ON FORM 8-K.

(a) The following documents are filed as part of this report:

- (i) Consolidated Balance Sheets as of December 31, 2001 and 2000.
- (ii) Consolidated Statements of Operations for the three years ended December 31, 2001.
- (iii) Consolidated Statements of Stockholders' Equity for the three years ended December 31, 2001.
- (iv) Consolidated Statements of Cash Flows for the three years ended December 31, 2001.
- (v) Notes to Consolidated Financial Statements.

Exhibits filed as a part of this Form 10-K:

Exhibit No.	Description
3.1	Amended and Restated Certificate of Incorporation of the Registrant, incorporated by reference to Exhibit 3.1 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
3.2	Amended and Restated Bylaws of the Registrant, incorporated by reference to Exhibit 3.2 of the Registrant's Registration Statement (Registration No. 333-76409).
4.1	Reference is made to Exhibits 3.1 and 3.2.
4.2	Registration Rights Agreement, dated as of October 30, 1998, by and among the Registrant, Merrill Lynch KECALP L.P. 1997, and Merrill Lynch KECALP International L.P. 1997, incorporated by reference to Exhibit 4.2 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
4.3	Form of Common Stock Purchase Agreement, executed as of March 1998, by and between the Registrant and each of Community Investment Partners III L.P., LLLP, Mary Ellen and Raul Evelio Perez, Trustees of the Mary Ellen Perez revocable trust dated October 28, 1993, Edward D. Jones & Co., Oakwood Investors I, L.L.C. and James L. Nouss, Jr., incorporated by reference to Exhibit 4.3 of the Registrant's Registration Statement on form S-1 (Registration No. 333-76409).
4.4	Warrant to purchase shares of United Therapeutics common stock, issued on November 2, 1998 to Cortech, Inc., incorporated by reference to Exhibit 4.4 of the Registrant's Registration Statement on form S-1 (Registration No. 333-76409).
4.5	Stock Option Grant to purchase shares of United Therapeutics common stock, issued on September 16, 1998, to Toray Industries, Inc., incorporated by reference to Exhibit 4.5 of the Registrant's Registration Statement on form S-1 (Registration No. 333-76409).
4.6	Registration Rights Agreement, dated as of October 7, 1999, by and among the Registrant and Robert M. Moriarty, Ph.D., Raju Penmasta, Ph.D., Liang Guo, Ph.D., George W. Davis, Esq. and David Moriarty, incorporated by reference to Exhibit 10.2 of the Registrant's Form 10-Q for the period ended September 30, 1999.
4.7	Form of Purchase Agreement dated as of December 22, 1999, incorporated by reference to Exhibit 4.6 of the Registrant's Registration Statement on form S-1 (Registration No. 333-93853).
4.8	Registration Rights Agreement, dated as of June 27, 2000 by and between the Registrant and Toray Industries, Inc., incorporated by reference to Exhibit 4.7 of the Registrant's Registration Statement on Form S-3 (Registration No. 333-40598).
4.9	

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- Stock Option Grant issued on June 27, 2000 to Toray Industries, Inc., incorporated by reference to Exhibit 4.8 of the Registrant's Registration Statement on Form S-3 (Registration No. 333-40598).
- 4.10 Form of Stock Purchase Agreement dated July 13, 2000 incorporated by reference to Exhibit 99.2 of the Registrant's Current Report on Form 8-K filed July 14, 2000.
- 4.11 Registration Rights Agreement, dated as of December 15, 2000 by and between the Registrant and Cooke Pharma, Inc., incorporated by reference to Exhibit 2.2 of the Registrant's Form 8-K/A dated December 15, 2000.

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Exhibit No.	Description
4.12	Escrow Agreement, dated as of December 15, 2000 among Registrant, UP Subsidiary Corporation, Cooke Pharma, Inc., and Mahon, Patusky, Rothblatt & Fisher, Chartered, as escrow agent, incorporated by reference to Exhibit 2.3 of the Registrant's Form 8-K/A dated December 15, 2000.
4.13	Registration Rights Agreement, dated as of December 28, 2000 by and between the Registrant and Medicomp, Inc., incorporated by reference to Exhibit 2.2 of the Registrant's Form 8-K/A dated December 28, 2000.
4.14	Escrow Agreement, dated as of December 28, 2000 among Registrant, UTSC Sub Acquisition, Inc., Medicomp, Inc., Mahon, Patusky, Rothblatt & Fisher, Chartered, as escrow agent, and Chicago Title, as successor escrow agent, incorporated by reference to Exhibit 2.3 of the Registrant's Form 8-K/A dated December 28, 2000.
4.15	Rights Agreement, dated as of December 17, 2000 between Registrant and The Bank of New York, as Rights Agent, incorporated by reference to Exhibit 4 of Registrant's Form 8-K dated December 17, 2000.
10.1 **	Amended and Restated Equity Incentive Plan, incorporated by reference to Exhibit 10.1 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.2	Form of Scientific Advisor Compensation Agreement, incorporated by reference to Exhibit 10.2 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.3 **	Executive Employment Agreement (as amended) dated as of April 2, 1999, between the Registrant and Martine A. Rothblatt, incorporated by reference to Exhibit 10.3 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.4 **	Employment Agreement dated July 15, 1996, between the Registrant and James W. Crow, incorporated by reference to Exhibit 10.4 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.5 **	Employment Agreement dated April 7, 1996, between the Registrant and Gilles Cloutier, incorporated by reference to Exhibit 10.5 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.6 **	Employment Agreement dated August 1, 1996, between the Registrant and Shelmer Blackburn, Jr., incorporated by reference to Exhibit 10.6 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.7	First Flight Venture Lease Agreement dated July 1, 1997, between North Carolina Technological Development Authority, Inc. and the Registrant, incorporated by reference to Exhibit 10.2 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.8	Exclusive License Agreement dated as of December 3, 1996, between the Registrant and affiliate of Pharmacia & Upjohn Company, incorporated by reference to Exhibit 10.8 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
10.9	Assignment Agreement dated as of January 31, 1997, between the Registrant and affiliates of Glaxo Wellcome Inc., incorporated by reference to Exhibit 10.9 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
10.10	Cooperation and Strategic Alliance Agreement dated as of September 3, 1997, between Registrant and MiniMed Inc., incorporated by reference to Exhibit 10.10 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
10.11	Exclusive License Agreement dated as of September 24, 1998, between the Registrant and Toray Industries, Inc., incorporated by reference to Exhibit 10.11 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
10.12	Exclusive License Agreement dated as of November 4, 1998, between the Registrant and Cortech, Inc., incorporated by reference to Exhibit 10.12 of the

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10.13 Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
Exclusive License and Distribution Agreement dated as of February 4, 1999,
among the Registrant, Global Medical Enterprises Ltd. And Global Medical
Enterprises Ltd., LLC., incorporated by reference to Exhibit 10.13 of the
Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*

10.14	Exclusive License Agreement dated as of March 15, 1999, between the Registrant and Toray Industries, Inc., incorporated by reference to Exhibit 10.14 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
10.15	Manufacturing Agreement dated as of February 11, 1998, between the Registrant and Steroids, Ltd., incorporated by reference to Exhibit 10.15 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).*
10.16	Agreement and Plan of Merger dated as of October 7, 1999, among the Registrant, SQ Acquisition, Inc., Robert M. Moriarty, Ph.D., Raju Penmasta, Ph.D., Liang Guo, Ph.D., George W. Davis, Esq., David Moriarty and SynQuest, Inc., incorporated by reference to Exhibit 10.1 of the Registrant's Quarterly Report on Form 10-Q for the period ended September 30, 1999.
10.17	Lease dated as of March 1, 1999, between the Unither Telemedicine Services Corp. and Beacon Projects, Inc., incorporated by reference to Exhibit 10.17 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.18	UAI Technology, Inc. Office Lease dated as of July 1, 1998, between the Registrant and UAI Technology, Inc., incorporated by reference to Exhibit 10.18 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409).
10.19	Form of Indemnification Agreement between the Registrant and each of its Directors, incorporated by reference to Exhibit 10.19 of the Registrant's Registration Statement on Form S-1 (Registration No. 333-76409)
10.20	Guidelines to Govern the Strategic Activities, Co-Development and Related Activities of the Parties dated as of November 1, 1999, between the Registrant and MiniMed, Inc., incorporated by reference to Exhibit 10.20 of the Registrant's Amended Registration Statement on Form S-1/A (Registration No. 333-93853).*
10.21	Short Form Commercial and Apartment House Real Estate Purchase Agreement, accepted as of August 4, 1999 between the Registrant and 1106 Spring Street Associates, incorporated by reference to Exhibit 10.21 of the Registrant's Form 10-K for the year ended December 31, 2000.
10.22	Exclusive License Agreement dated as of June 23, 2000 between the Registrant and Toray Industries, Inc., incorporated by reference to Exhibit 10.1 of the Registrant's Registration Statement on Form S-3 (Registration No. 333-40598)
10.23	Asset Purchase Agreement dated as of December 28, 2000 among the Registrant, UTSC Sub Acquisition, Inc., Medcomp, Inc., and Telemedical Procedures, LLC, incorporated by reference to Exhibit 2.1 of the Registrant's Form 8-K/A dated December 28, 2000.
10.24	Asset Purchase Agreement dated as of December 15, 2000 among the Registrant, UP Subsidiary Corporation, and Cooke Pharma, Inc., incorporated by reference to Exhibit 2.1 of the Registrant's Form 8-K/A dated December 15, 2000.
21	Subsidiaries of the Registrant.***
23.1	Consent of KPMG LLP.

* Confidential treatment has been granted with respect to certain portions of this exhibit pursuant to Rule 406 of the Securities Act of 1933, as amended.

** Designates management contracts and compensation plans.

*** Previously filed

(b) Reports on Form 8-K

On October 15, 2001, the Registrant filed a Form 8-K dated October 15, 2001 reporting an Item 5 event.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereto duly authorized.

UNITED THERAPEUTICS CORPORATION

October 16, 2002

By: /s/ MARTINE A. ROTHBLATT

Martine A. Rothblatt
Chairman of the Board and Chief Executive Officer