

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS
FILED PURSUANT TO RULES 13D-1 (b) AND (c)
AND AMENDMENTS THERETO FILED
PURSUANT TO 13d-2(b)

(Amendment No.)*

AVANT Immunotherapeutics, Inc.

(Name of Issuer)

Common Stock, \$.001 par value

(Title of Class of Securities)

053491106

(CUSIP Number)

August 21, 1998

(Date of Event Which Requires Filing of this Statement)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following page(s))
Page 1 of 20 Pages

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON
 HealthCare Ventures II, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

	5	SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6	SHARED VOTING POWER
		2,318,706
	7	SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER
 2,318,706

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 2,318,706

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 5.5%

12 TYPE OF REPORTING PERSON*
 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON
 HealthCare Partners II, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

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4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5 SOLE VOTING POWER ----- 6 SHARED VOTING POWER 2,318,706 ----- 7 SOLE DISPOSITIVE POWER ----- 8 SHARED DISPOSITIVE POWER 2,318,706 -----
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9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 2,318,706

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 5.5%

12 TYPE OF REPORTING PERSON*
 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON
 HealthCare Ventures III, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

	5	SOLE VOTING POWER
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	6	SHARED VOTING POWER
		2,055,505
	7	SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER
 2,055,505

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 2,055,505

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 4.8%

12 TYPE OF REPORTING PERSON*
 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON
 HealthCare Partners III, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

2,055,505

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

2,055,505

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 2,055,505

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 4.8%

12 TYPE OF REPORTING PERSON*
 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON
 HealthCare Ventures IV, L.P.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

603,622

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

603,622

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 603,622

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 1.4%

12 TYPE OF REPORTING PERSON*
 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON
 HealthCare Partners IV, L.P.

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 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

603,622

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

603,622

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 603,622

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
 1.4%

12 TYPE OF REPORTING PERSON*
 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON

 James H. Cavanaugh, Ph.D.

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

 United States

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

4,977,833

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

4,977,833

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

 4,977,833

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

 11.7%

12 TYPE OF REPORTING PERSON*

 PN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON

 Harold R. Werner

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

 United States

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

 4,977,833

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

 4,977,833

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

 4,977,833

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

 11.7%

12 TYPE OF REPORTING PERSON*

 IN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON

 William Crouse

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

 United States

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

4,977,833

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

4,977,833

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

 4,977,833

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

 11.7%

12 TYPE OF REPORTING PERSON*

 IN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
 S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON

 John W. Littlechild

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
 (b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

 United States

5 SOLE VOTING POWER

NUMBER OF
 SHARES
 BENEFICIALLY
 OWNED BY
 EACH
 REPORTING
 PERSON
 WITH

6 SHARED VOTING POWER

4,977,833

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

4,977,833

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

 4,977,833

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
 SHARES* []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

 11.7%

12 TYPE OF REPORTING PERSON*

 IN

*SEE INSTRUCTION BEFORE FILLING OUT!

1 NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NUMBER OF ABOVE PERSON

Mark Leschly

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (a) []
(b) []

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

NUMBER OF
SHARES
BENEFICIALLY
OWNED BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER

2,659,127

7 SOLE DISPOSITIVE POWER

8 SHARED DISPOSITIVE POWER

2,659,127

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,659,127

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN
SHARES*

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

6.3%

12 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTION BEFORE FILLING OUT!

Item 1.

- (a) Name of Issuer:
AVANT Immunotherapeutics, Inc.
- (b) Address of Issuer's Principal Executive Offices:
119 Fourth Avenue
Needham, MA 02494-2725

Item 2.

- (a) Name of Person Filing:
HealthCare Ventures II, L.P. ("HCV II"), HealthCare Partners II, L.P. ("HCP II"), HealthCare Ventures III, L.P. ("HCV III"), HealthCare Partners III, L.P. ("HCP III"), HealthCare Ventures IV, L.P. ("HCV IV"), HealthCare Partners IV, L.P. ("HCP IV"), Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly. See attached Exhibit A which is a copy of their agreement in writing to file this statement on behalf of each of them.(1)
- (b) Address of Principal Business Office or, if none, Residence:
The business address for HCV II, HCP II, HCV III, HCP III, HCV IV, HCP IV, Dr. Cavanaugh and Messrs. Werner and Crouse is 44 Nassau Street, Princeton, New Jersey 08542. The business address for Messrs. Littlechild and Leschly is One Kendall Square, Building 300, Cambridge, Massachusetts 02139.
- (c) Citizenship:
HCV II, HCP II, HCV III, HCP III, HCV IV and HCP IV are limited partnerships organized under the laws of the State of Delaware. Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly are each United States citizens.

(1) Dr. Cavanaugh and Messrs. Werner, Littlechild and Crouse are general partners of HCP II, which is the general partner of HCV II, the record holder of 2,318,706 shares of Issuer's securities reported hereto. Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly are general partners of each of HCP III and HCP IV, which are the general partner of HCV III and HCV IV, respectively, the record holder of 2,055,505 and 603,622 shares of Issuer's securities, respectively, reported hereto.

(d) Title of Class of Securities:
Common Stock, par value \$.001 ("Shares").

(e) CUSIP Number:
053491106

Item 3. If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b), check whether the person filing is a:

Inapplicable.

Item 4. Ownership.

(a) Amount Beneficially Owned:

As of August 21, 1998: HCV II and HCP II beneficially owned 2,318,706 Shares of Issuer's Securities, consisting of 2,052,711 Shares of Issuer's Common Stock and immediately exercisable warrants to purchase 1,264,995 Shares of Issuer's Common Stock; HCV III and HCP III beneficially owned 2,055,505 Shares of Issuer's Securities, consisting of 1,753,972 Shares of Issuer's Common Stock and immediately exercisable warrants to purchase 301,533 Shares of Issuer's Common Stock; HCV IV and HCP IV beneficially owned 603,622 Shares of Issuer's Securities, consisting of 515,074 Shares of Issuer's Common Stock and immediately exercisable warrants to purchase 88,548 Shares of Issuer's Common Stock; Dr. Littlechild, Messrs. Cavanaugh, Werner and Crouse each beneficially owned 4,977,833 Shares of the Issuer's Securities, consisting of 1,203,021 Shares of Issuer's Common Stock and immediately exercisable warrants to purchase 141,216 Shares of Issuer's Common Stock; and Mr. Leschly beneficially owned 2,659,127 Shares of Issuer's Securities, consisting of 2,269,046 Shares of Issuer's Common Stock and immediately exercisable warrants to purchase 390,081 Shares of Issuer's Common Stock.

(b) Percent of Class:

As of August 21, 1998: the 2,318,706 Shares of Issuer's Securities beneficially owned by HCV II and HCP II constitute 5.5% of Issuer's Shares outstanding; the 2,055,505 Shares of Issuer's Securities beneficially owned by HCV III and HCP III constitute 4.8% of Issuer's Shares outstanding; the 603,622 Shares of Issuer's Securities beneficially owned by HCV IV and HCP IV constitute 1.4% of Issuer's Shares outstanding; the 4,977,833 Shares of Issuer's Securities beneficially owned by each of Dr. Littlechild and Messrs. Crouse, Werner and Cavanaugh constitute 11.7% of Issuer's Shares outstanding; and the 2,659,127 Shares of Issuer's Securities beneficially owned by Mr. Leschly constitute 6.3% of Issuer's Shares outstanding.

- (c) Number of shares as to which such person has:
- (i) sole power to vote or to direct the vote:
Inapplicable
 - (ii) shared power to vote or to direct the vote:
HCV II, HCP II, Dr. Cavanaugh and Messrs. Werner, Littlechild and Crouse share the power to vote or direct the vote of those shares owned by HCV II.

HCV III, HCP III, Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly share the power to vote or direct the vote of those shares owned by HCV III.

HCV IV, HCP IV, Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly share the power to vote or direct the vote of those shares owned by HCV IV.
 - (iii) sole power to dispose or to direct the disposition of:
Inapplicable
 - (iv) shared power to dispose of or to direct the disposition of:
HCV II, HCP II, Dr. Cavanaugh and Messrs. Werner, Littlechild and Crouse share the power to dispose of or direct the disposition of those Shares owned by HCV II.

HCV III, HCP III, Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly share the power to dispose of or direct the disposition of those Shares owned by HCV III.

HCV IV, HCP IV, Dr. Cavanaugh and Messrs. Werner, Littlechild, Crouse and Leschly share the power to dispose of or direct the disposition of those Shares owned by HCV IV.

Item 5. Ownership of Five Percent or less of a Class:
Inapplicable.

Item 6. Ownership of More than Five Percent on Behalf of Another Person:
Inapplicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company:

Inapplicable.

Item 8. Identification and Classification of Members of the Group:

Inapplicable.

Item 9. Notice of Dissolution of Group:

Inapplicable.

Item 10. Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to below were not acquired and were not held for purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Ventures II, L.P.,
by its General Partner,
HealthCare Partners V, L.P.,

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Partners II, L.P.

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Ventures III, L.P.,
by its General Partner,
HealthCare Partners V, L.P.,

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Partners III, L.P.

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Ventures IV, L.P.,
by its General Partner,
HealthCare Partners V, L.P.,

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Partners IV, L.P.

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

By: *

James H. Cavanaugh, Ph.D.

Dated: August 31, 1998
Princeton, New Jersey

By: *

Harold R. Werner

Dated: August 31, 1998
Cambridge, Massachusetts

By: *

John W. Littlechild

Dated: August 31, 1998
Princeton, New Jersey

By: *

William Crouse

Dated: August 31, 1998
Cambridge, Massachusetts

By: *

Mark Leschly

*Signed by Jeffrey Steinberg as Attorney-in-Fact pursuant to the Power of Attorney filed previously and incorporated herein by reference.

EXHIBIT A

AGREEMENT

JOINT FILING OF SCHEDULE 13G

The undersigned hereby agree to jointly prepare and file with regulatory authorities a Schedule 13G and any future amendments thereto reporting each of the undersigned's ownership of securities of Magainin Pharmaceuticals, Inc. and hereby affirm that such Schedule 13G is being filed on behalf of each of the undersigned.

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Ventures II, L.P.,
by its General Partner,
HealthCare Partners V, L.P.,

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Partners II, L.P.

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Ventures III, L.P.,
by its General Partner,
HealthCare Partners V, L.P.,

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Partners III, L.P.

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Ventures IV, L.P.,
by its General Partner,
HealthCare Partners V, L.P.,

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

HealthCare Partners IV, L.P.

By: /s/ Jeffrey Steinberg

Jeffrey Steinberg
Administrative Partner

Dated: August 31, 1998
Princeton, New Jersey

By: *

James H. Cavanaugh, Ph.D.

Dated: August 31, 1998
Princeton, New Jersey

By: *

Harold R. Werner

Dated: August 31, 1998
Cambridge, Massachusetts

By: *

John W. Littlechild

Dated: August 31, 1998
Princeton, New Jersey

By: *

William Crouse

Dated: August 31, 1998
Cambridge, Massachusetts

By: *

Mark Leschly

*Signed by Jeffrey Steinberg as Attorney-in-Fact